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VOL. 1
WOONSOCKET, R. I., SATURDAY, JANUARY 12, 1867.

"GEORGE M. PATCHEN, Jr.," THE PROPERTY of B. D. GJDFREX, Esq., RALLFORD, MASJaCHUSETTS.

> prawn from Life withoo Margite, and engratri for "The fary ayd Fibeside,

Ir is a gratitication to us, as we are sure it will be to many of our readers, that we are able to present, in the first number of our journal, this fine and life-like engraving of Mr . Godfrey's celebrated thorongh-bred horse, "George M. Patcien, Jp." This horse was raised by T. N. Black, of Bordentown, N. J., and sold by him, when eoming three years old, to Mr. John Buckley. of Bordentornn, the original owner of the old "George M. Patchen, and the famous trainer of the celebrated "Eclipse," in his renowned race with "Sir Menry," in 1823. In 1860, Mr. Bnckley sold "George M. Parcien, Ji." to B. D. Godfreer, Esq., of Milfort, Mass., his present owner, who bonght hin for a stock horse, with the sole view of improving the breed of horses in New England, by making a cross with the Morgan and Black ITawk stock. This experiment has beeu cminently successful; and some of Patcmen's colts have been sold at high prices. Last year, Mr. Godfrey sold a pair of four years old colts for $\$ 1,500$; and he has pair now, three years old, which trot inside of three minutes. For one of these, "Tommy
Patchen," Mr. Godfrey has refused an offer of \$2,000.
sired by a soil ot the celebrated rimning horse, Sir Henry : his grandam by the thorough-bred stallion, John Richards, the fayorite borse of dic Sonth, which was to have run agains Eclipe in place of Sir IIenry, ind would h:? ione so, but from an accident in cutiing his foot in training at Bristol, Pat. John Richards was sired by Sir Arehy, one of the
nowned borses ever hred in Americ?
Those of our readers who havessen 'P'stenen, Jr.," will agree with us when we s.y that Mr. Marsben, the artist, has given us a faithful represeatation in the above pictur". It was drawn from life, and engraved under Mir: Marsden's persmal superintendence.
art, it is worthy of preservation.
William Henry Iferbert, one of on best anthorities on the lorse, spaks as follows on the valne of this noblest of domestit: animals: - To enter into an argument at this day of the ninetenth century, 10 show that the horse stock of any conntry is a material item in the aceount of the national wealth, strenght and greatness, would be to admit the arguer limself an ass. In no conntry in the worle, perhaps, is snch an argument less needed than in our own, where, certainly, the keeping of
horses for the purposes of pleasure as well as of ntility is more largely disseminated amons persons of all classes than in any other, and were the desire and ability both to keep ame reed horses of a high grade is daily gaining ground, both in torm and country. Among armers the desire 10 raise valuable stock is, at least, incrensing proportionally to tue increase of the profit to be derived fiogn them, which is sulng every tay, not in consechector tha or temporary caprice, wut is attributabe the growing perception of the fact, among horsc-keepers, that it is not only res cheap, one keeps a horse at all, to leep in good as o keep a bad one, but in reality much eheapes lence in all horses. It is, indispntably, quick ness of working; power to move or carty reight, and ability to endure for a lengtín of me; to trivel for a distance with the least 0 rease of pace: to come again to work day fter day week after week, and year after year with undiminished vigor. And it is scarcely cedful to say that, under all ordinary circumcances, these conditions are only compatible rith the highest form and highest plysical calth of the animal.


than ten in lounging seont countrye tavernsi, is nore yroul
Tbat cows should alw ass be milked regularly and ciean.

R minnirib-It is worth whit for all rarmers everrwhere. th
Rapes on hier tharm.
That an orfensive


ghuly roundés -



## Tlue 扎arse

## How to choose a Horse

A writer iu the London Spectatorgives som horse, whieh we copy below:

It need searcely be said that a earriage horse is not often pleasaut for riding, though conversely it may be improved by it. Practically, therefore, a horse is not likely to do more than one thing well. This exteuds eren to its paces. The high action of a good trotter is walk; but a horse that gallops well is pretty eertain to cover ground rapidly in walking. We agree with a 'knowing hand' that 'a man who is a tolcrable horseman, had better choose a high-couraged horse.' A baldy-bred horse may often be a strong, lardy animal, but it will knoek up il it is pushed, while the thorough bred will go on till it drops. A thoroggh-bred ought not to be chosen for pounding along turnpike roads, as its legs will not stand con stant hammering. $\Lambda$ col had better be avoided, unless its history is known, as no horse is more likely to be tricky. For several reasons it is better to buy a horse under seven years
old. Witu such a one a reliable guanty of age ean be procured, whereas the horses that are just aged, that is to say, jur in number that might batfle a Quetelet. Again, horscs are so badly used and so overworked in England, that it is quite uncertain how much strength an eight or nine year horse may retiin. As a rule,
no animal that has been hacked at such places no animal that las been hacked at such place
as Brighton or Oxford ouglit to be bought.After a year or two of such work the mouth is generally spoiled and the sincws of the legs go. Some persons consider color an indication of temper, and distrust a bright chestnut. We beliere the rule is sound, but the exeeptions are
numerons. The ears andeyes of a horse, when its mouth is handled, when a whip is shaken near it, and when it ispaeked, are much better criteria of anger, no los than of fear, and are fencers, are apt to be if difficult temper. horse sometimes overhags its fore legs, so to speak. This is a dangebus fault, as the centre of gravity being too fal forward, the bcast is likely to stumble. A orse with its belly 'tueked in,' as it is callec that is to say, going up backwards, as in a grifn-a fault more common in carriage horses tha in hacks-fceds and fattens badly, and sll wear out rather sooner than another. Latps and"cockneys are a little apt to admire the-chested, spindle-
shanked horses. Of coursothis is a mistake. A deep, broad elest is indipensable for wind, and a thin-boned leg will bepasily knoeked to picees. We have mentione only the points that an inexperienced purehare can remark for himself, and that do not enternto a warranty. gnard against them by buyin through a respectable reterinary or from a honest horsedealer. We believe the cofuron opinion about the especial raseality of th trade to be a mistaken one, and we wonld soner buy ourselves from a dealer than from a firate owner, who is apt to form a fancy esmate of his property,
or tricks."

## spirnt.

A splint is a small, bony turor, which forms on the inside of the shank. 1 eannon bone. They sometimes developefuddeuly, and in another class of cases they hke their appearance in a slow and gradual huner.-
They are usually situated on the iuse of the shank bone, and they not mutiequelly arise from a blow on the leg by the opposilfoot. Where a splint is situated near the kne-joint, it is more likely to prove detrimental the when occupying a lower situation. When trbone is also present, it indicates that the frse is
predisposed to cxostoses, and that, consurently, bony tumors may form in other reghs of the body.

Treatment.-Where there is much hean tenderness orer the seat of splint, it is ansable to apply a wet bandage to reduce thin
flammation, and a little blistering oint
may afterwards be applied. By these neans, though the splint is not remored, it ceases to mones and consequenty that hamoses to elichy in young hoses they plinis prove ronblesome, as mers asually have become consolidated, and oce sion 110 practical inconvenience. performed, but it is an operation attended with no adrantage, and its results, on the other hand, may prove very troublesome.

Fastest Time of IIorses. - The following ecord, said to be correct, is worth preserving. Doubtless the "fastest time" will be beaten beore long. Our horses are so greatly improved in blood, endurance and training, that we shall not stop here.
The tastest time on record: 1 mile, pacing, Pocahontas, $2.17{ }_{1}^{3}$; 1 mile, trotting, Dexter, $18 \frac{3}{3}$; 2 miles, trotting, Flora Temple, $4.50 \frac{1}{2}$; iniles, trotting, Dutchman, $7 .: 32 \frac{1}{6} ; 16$ miles, rotting, Prince, $50.00_{4}^{3} ; 20 \mathrm{miles}$, trotting, Capt. McGowan, $59.35 \frac{1}{2} ; 100$ miles, trotting, Conqueror, $8.55 .53 ; 100$ miles, double, Mastel Burke and Robin: 10.17.22; 1 mile, rumning, Gladiator, $1.39 \frac{1}{2} ; 4$ miles, running: Lexington, 7. $19 \frac{1}{8}$.

Hints.-Look out for having horses wel hod and caulked as soou as icy weather comes. The best application for bruises and sprains is asually eold water and thorough rubbing. I very painful, put on rum, and a little tieture or arnica, but not on raw spots. Cuts, or bruises, Wheu the shin is broken, are best treated with greese and pine tar, melted together to a soft salve.

Profitabie Intestment.-A farmer in Westboro, Mass., was indneed, in 1862, to buy one hundred dwarf pear trees. He had a spot of ground, near his buildings, that produced little but weeds, where he had piled barrels and wood till the grass had been killed out; thi rronud was plowed and trenched eighteen inches in depth, and well manured. Upon a portion of this gromed, he set his dwarf pears, in a perfect square, six feet ippart cach way; ground has becn eultivated and well manured. For the first year some hoed erop was grown among the trees, which more than paid for culiration. The past season two hundred and en dollars worth of pears were sold from these rees, besides what was used in the family. Five barrels of Duchess de Angonleme sold for one handred dollars. Such farming will pay.
Prioe of Fans Products. -The rondition of agriculture, in all sections of the country, was never more flomrishing than now. High prices, in the past three years, have insured good profits ; aud farmers ol ordinary industry and skill have been enabled to add to thei farm stock, to improve their buridings and lands: perhaps pay off mortgages or inves sometling in govermment fiuds. But we can not anticipate a permaneney of present priees for the tendency of all merchandise is down ward. But if farm products decline, so wil
all deseriptions of goods and necessities which all deseriptions of goods and necessities which
we canot raise on the farm. We know that the agriculturist works harder for a dollar. gen erally, than men in other professions. Fet we have nothing to discourage us: fine horses and eattle, good poultry, well fattened beet ant
pork, dairy products, grain, wool, truit, de., will always command fair and remumerating prices. We shall endeavor to keep our reader well posted on the fluctuations of the markets, and iu all things tending to promote their in crests.

Esre The Philadelphia socicty for the Promoion of Agriculture, meets on the first Wedues day of each month, at their rooms 702 Wal proceedings.

Spechal Notice.-In ordering our paper tate the name of the Post Office, County and State. Payment in adernce will be strictly
adhered to. All subscriptions will stop at the adhered to. All subscrip

## Wints to Waxtes.

## TASTE IN ARRANGING FLOWERS

Of all the various mistakes which are made persons in arranging flowers, the common est is that of putting too many in a vase; and a vaiety of colors into one bouquet. Every flower in a group shonld be clearly distinguishable and determinable without pulling the nosegay to pleces; the ealys of a clore piak
should never be hid by being plunged into a head of white phlox, however well the tw colors may look together. Sweet peas never
look so well in the hand as they do on the bonghs over which they climb, because the cannot be carried without crowding them; but put then lightly into a vase with an equal number of picces of mignonette, or rather o nament a rase half full of mignouctte with charming effect, because you follow the natu ral arrangement by a voiding crowding ol the bloome, and putting then with the green foli age which they want to set them off.
Few people are aware, until they try it, how exceedingly easy it is to spoil such a pleasing
combination as this; a pieec of calcolaria, carlet geraneum or blue salvia would ruin i effectually: Such decided colors as these re guire to be grouped in auother vase, and ith With the swect peas; they ako require a mueh
narger perponderance of foliage to show them ff to adrantage thau is wanted by flowers more delicate colors. There is no kind of foliage so generally useful for all purposes of dee oration as that of ferns; and next to those must be ranked the smaller kinds of the fir tribe, such as arbor vitx, yew, cypress and juaiper.
In the selcction of thesc for use amongs fowers, there is great scope for taste and judg ment. The stiff-growing ferns, such as blech num, and osmunda, and the branches of thuja ud taxus, go best with spikes of tail flowers. Horc delicate flowers are best set off by elegant and finely divided species of pteris and davallia, and lyy pieces of juniper and eypress, while the climbling ferns and selaginellas come in wher scarely anything else can be used, and give a charming and tasty finish.-Gordener's Chron-

A liny correspondent furmshes the follow ing "hint to lovers of flowers": "A most beautinn and easily attained show of creat reens may be had by a very simple plan, hich has been found to work remarkably ell on a small seale, If geranium branches aken from luxuriant and healilyy trees, jnst be fore the winter sets in, be cut as for slips, and he a fer dors shed their leaves, put forth resh ones, and continue in the finest vigor all winter. By placiug a number of bottles thus filled in a flower basket, with moss to coneeal he bottles, a show of evergreens is easily sccured for the winter: All the ditferent rarietic the plant being used, the varions shades and olor of the leaves blend into a beautiful effect. They require no fresh water

The Cotrox Cror.-The estimates of the amount ol the cottou crop of this year are still ery various and conflicting. The more inteligent estimates, or those that are mate by hose who seem to have the best oppor mities lor givillg an intelligent opinion, place the amome at between $1,500,000$ and
000,000 bales. Both Southern planters and Northern burers are of the opinion that there rill be an advance from the present ruling rices when the amount of the erop becomes not compelled to sell their' cotton at once, in order to obtain money for the payment of their laborers and other experises incident to the
raising of the crop, are shipping their cotton North for storage antil the priees improve.
res The Camelia is a native of Japan, from wheuee it was introduced into England about the year 1739.

## PURE AIR AND SLEEP

Dr. Arnoth, in his Physics, states that cunary birds suspended near the top of a curtained rally be found dead in the morning, from the ficets of carbonic acid gas, generated in res iration. Ile sets forth this as a fach, to show apartuents, and a sweeping argument against he old-fashioned, high-curtained becisteads.healthy man respires about twenty times in en hundred cubie inches of air ; this he exdales arain in the form of carbonic acid gas and water, which vitiates the atmosicher Three and one-half per cent, of carbonic acid fas in the air renders it unfit lor the support of life; this shows how nccessary it is to pro-

There are also ecrtain facts which go to reater proneness of disease-during sleep than the waking state. Iu Turkey and Hindostan, it a person falls asleep in the neigliborhood of a poppy field, over which the wind is bowing towards hinn, he is liable to "sleep the
 f Italy who fall asleep in the neighborhood of he Pontine marshes are invariably smitten with

Even travelers who pass the night iu he Campagia du Loma, ineritably beeome more or less affected with the noxious air, while those who pass through without stopping scape the marsh fever. Those who have attacked with bilious fevers, uniformy as eribe the canse of their sufferings to night exsore fu the open air.
An English traveler in Abyssynia has assert dhat he could lise in health in that sickly climate, by a proper selection of the situation where be slept every night. There is abundant ridence, it would appear, which goes to prove hat by proper atteution to the place where, and the circumstances under which persons

The Esglisi Cattle Plagte.-For the laet veek reported, 32 animals were attacked with
he cattle disease in Great Britain. The total number of animals thus far attacked hare been $5, \pi$, and 5,450 healthy cattle have been slanghtered to preveut the spread of the dis-

Agrictltcral Phogress.-Res. Dr. Os ood, of New York, in his Thanksgiving sel mon, thus alluted to the "influenere of min

Before the war more than eight millions of our people were bringing out thein' powers and dispositions in various ways, and supporting br their dabor and skill the remaining twenty hree millions who depended on them every day; the world was carried forward by thei and character as well ler their fostering hand. The nation was be coming rich to an enormous extent, and in the fars from 18.0 to 1860, the cash bake of
 per cent. in ten years. The amount of capital invested in farm implements and machinery in seau was siot 118,131 being on inerease er $\$ 94.000,000$ in ten vears, or more than 6, per cent.; while in the same time our popula tion inercased only at the rate of $35 y$ per cent. ing thow how the American mind was briug roduction of well as labor to bear upon the manufacture of farm implenents in 1860 amounted to $\$ 17,485,960$, an inerease of 160 per cent. orer the amount in 1850 , and in the
Western States an increase of $+25.5-100$ per. Tus consumption of cheese in Englaud, carls, amounts to the enormous amount of HOW to obtain the farm and fireside.

## Hhe Fratm

HOW TO MARE FARMING MORE PROFITABLI

## Written for the Farm and Fireside

Does farming pay? This question was discussed with a good deal of warnth, some ycars ago, iu the New Englaud Farmer, and wiseacre proved, to his own satisfaction least, that the tilling of the soil was a losing
business. Yet our faruers have kept on plowing and sowing cver siace, and the nation ha been growing richer all the while, notwith standing the waste and ruin of a four years war: As huslandry is the basis of all other theory with the graud result. The mechanic, the manufacturer, the mereliant, the professional man, can only prosper as the farm prospers The daily bread of all must come from the (illage of the soil. As the eountry is bearing
its cnormous burdens well, and paying up its debts at the rate of two hundred millions year, it is quite manifest that farming has paid somebody, if it has not paid farmers.
Yet there is a wide-spread conviction, mor largely shared in the rural distriets than in the
cities, that labor is not as well rewarded upon the farm as in other calliugs. The young; ©specially, graduate from the farm in the older
States at a very early age, and in large num bers. Aud it is not a little owing, we imagine to the fair rewards of husbandry that this is the casc. The farmer, as soon as he has capital enough to carry on his business, and a few
shares in the bank, sends his sou to the best academy in the country, or even to college. The youth grows ambitious in the new atmos
phere, learns to despise the plow, and runs to the city to seek his fortune. He sends his daughter to the best fcmale seminary he can hcar of, at an expense of five or six hundred valuable, but grows shy of rustic lovers and cowhide boots. She has au eye for kid gloves, and Congress gaiters. Through the farmer's
prosperity his older clildren are lost to the prosperity his older children are lost to the
farm, and it is only by dint of much persuasion and liberal offers, that he kecps the youngest at home, to be the stay of his deciining years.
away bis children to prosperous enough to sen away his children to school, his inability is
taken as the best of all reasous for quitting the farm. In the olden time farmers' sons felt under some obligation to stay on the homestead
until they were twenty-one, to pay for 'their bringing up; but now they grow uneasy at fifteen, and feel abused if they are not released from service at home at sixteen, to begin life ing is ever returned to the farm for the expenses of childhood, and the farm is by that much poorer. Whether true or false, the opin-
ion is geueral, that husbandry does not pay as well as other callings. Every where in the old Cr States, and in some of the new, the towns and eities are gaining iu population at the ex exelusively farming town in スew England can slow as large a population as it had fifty years go. In some there has been a serious decline, ceased to be self-supporting.
These are dark shades in the picture, and show that a better husbandry is called for, bather than that farming is necessarily a poo very well, and̉ no other business would pay, prosecuted by the same methods.
To make huslandry more proftable, mor brains must be invested in it. The day has
gone by wheu brute muscle will win im luman contests. Eren the pugilist has his training, and it is the training that makes the victor.The well cducated Prussian soldier and his campaign. Ideas nurtured in the Northern school house, crushed the Southern aristocracy, and liroke the manacles of four millions of
bondmcn.
We want more thought applied to farming. There has been a great change for the better within the last fifteen years, but a still greater
every where apparcit. We have State and County Agrieultural Societies, with their an
nual fairs, aud lively competilions. We hav nual fairs, and lively competitions. We have
our Agricultural journals and farmers' clubs, with neighborhood meetings and farm visits. We have a large number of books pullished Agrieulture and kindred topics, and the roma of plowed fields and orehariss is breathed to our magazine literature.
farmers and rural improvers, in almos very town, who are showing their faith b their works. They invest liberally in barns with cellars; in the best farm implements; in rock-lifters and tile-draining; in good stock and manure; in ornamental trees, and in or chards. They execute plans, deliberatel heir business as the merchant or meehauic does upon his. 'Their minds are wide awake o every new iuvention, or process, by whie labor may be saved, and the earth c
But these men are still the exeeptions in out agrieultural towns. There are multitudes of agrientural towns. There are multitudes of mprovenents, if they make any, simply by oree of example. They have-no well digest d plan of farm operations. They have no ro ation of crops, and cannot tell whether a giv new style of tool only when they eamot find the old in the market. They do not believe in nowers, reapers or threshers that go by horse power. They swing the seythe and the cradle, heir flails is heard on the barn floor, with the rosty morning of winter. They will not give p the old tools and the old familiar sounds hough the new are a hundred fold better:
These meu, who cling to the old ways, are o be fouud in almost every towuship, and will probably die in their present faith and practiee in husbandry. They learn nothing in a husiness that calls for more varied knowledge than almost any other handicraft or trade. Almost diately useful in the tilling of the soil. The farmer should know something of geology and nineralogy, and chemistry, that he may unmineralogy, and chemistry, that he may un-
derstand the constituents of the soils that he cultivates, and remedy their defeets. Botany and zoology will aid him in the selectiou of the rops and the stock that he can raise most prof
tably. If he carry on any large business, must necessarily buy and sell coutinually, and needs to watch the markets as closely as the merchant. He needs to be as competent for usiness as the trader and speeulator from the city, who comes into the country to buy his produce and forestall the markets. It is mainy for lack of this kind of intelligence that these middle-men multiply so rapidly and make sucl enormous profits in forwarding the heir market. Almost everything goes through heir hands, from the fat beeve of two thousand pounds, to the egg of two ounces,-from the pig tree of the forest, sawed into lumber, to the buade of grass packed in the hay balc Middlemen are no doubt a necessary class, but hey now take advantage of the ignorance of a large class of farmers and secure profits that the farmer would gain if he stndied the markets more.
To stimulate thought and keep up with the limes, farmers should read more upon topies one by whea the county politieal newspaper, with its gross personalities, love stories and advertisements of quack-medicines, will afford sufficient mental pabulum. Agricultural and hortieultural papers and books are a necessity of his calling. The best of these journals, perlaps, arc not what they ought to be, o
what they might be with a larger patronage but the poorest of them are worth much mor han their cost to the man who will read and digest them. They are mainly the records of the experience and observation of practical farmers who have sufficient leisure and culture o give their reflections to the public. Every nan will find iu their pages suggestions that will iufluence his own practice iu husbandry and make it more profitable. Our best farmers success is the direct result of thought applied
to husbandry. They have the best papers and musele in all their tarmor operations. The slug. rards must initate their example, or lose the profits
Then we must lave more capital invested in he busiuess. A large part of what we hate is in the wrong plaes-in the land itself, rather than in the stock, tools, manure and labor to make the cultivation profitable. It is well enough for the cultivator to own his farm, it he lave capital enough remaining to work it with; but if he have not, let hium sell a part or Encland husbandry we need from thirty fifty dollars for every aere under the plow, to make the crops pay fairly. Farming with in sufficient capital has been the curse of the business from the begiuning. In England, a a rule, the farmer does not own the soil, but
lires on a long lease, and applies all his eapital, or so mueh as he needs, to the pronduction of the crops. He spends more upon the soil, and wakes it pay better. ILere leasing is the ception. Erery man has a strong craving fo more land, rather than to make what he ha better. If he has capital, the probabilities ar land, rather than in more manure, or more stock and grain, to make manure with.
If we could trace the history of erery in dividual furm, as we do the history of a town, with iusufficient eapital. The farm was originally carved out of the forest, by a man who had little else than his two hands and a few lools to work with. With his axe heg made the first clearing, and with the help of a neighbor first erops. The virgin soil was in his falvor and yielded bountifully for a few years, and frame dwelling, his barn and other outbuildings. It took one generation to get the land cleared of stumps and the bnildings paid for It took another to accumulate a little capital ; but that, unfortunately for the homestead, was cither spent in more land, or in educating chil dren for other pursuits, and in starting them in business. The much that needed doing upon the old homestead, has been put off from one
generation to another, and remains still to be done by some man who has faith in the busi ness, and is willing to invest in it, and to live by it. He wants capital to drain the swamp the soil; to work his muck mine, and add to his compost heap; to secure the best farm inplements and the best stoek; to use all the la bor and manure that he needs for the mos ceonomical raising of crops.

And this brings us to the last element of a nore profitable husbandry that we shall tonch upon in this artiele. Most of our famers are vadly deficient in labor. It is not uufrequent to find a two hundred aere farm worked with force of one hired man and a boy, with the aid of the proprietor, and a little cxtra help in the haying scason. As a consequence, ver little is planted or sowed, and that is but hal cared for; very little is raised, and the profits, it any, are very small. More than half of the means of the owner are locked up in land that does not yield him a cent of income. I might as well be in the bottom of the sea. A
farmer who is competent to dircet the labors o one man and make it pay, may just as well direct five or more. And we think it will b found that two men pay better than one, and five better than two. It looks and feels a good eal more like business, and more is accom plished. It is disheartening to any man to go into a ten acre corn-field and hoe all day alone
But where are we to get the capital from that will furnish the conditions of a more prof itable husbandry? Just where the merehan and mechanic get theirs. There are monied men and banks who make their profits by lend ing, and they are just as anxious to lend o good security as the business man is to borrow What better security can they have than the farm, which does not rum away ; and which with skillful management, pays as uniforn divideuds as any other business? The trouble monery, as in canting it. Furmers must have
faith in their busiuess, must inrest their all in it as the merchant does, and then they will
thrive by it.

## FEEDING STOCK

A Correspondent says, with regard to feeding stoek in winter: With good carc aud at ention, stoek coming iuto winter quarters in ir condition may be brought through the win on the coarser and less valuable portions of older, sud come out thriving in spring. Gen rally there is a large growth of corn fodder and if this has been saved properly, it will furnish a large amomit of valuable feed. Cut fime and mised with the different qualities of meadow hay, straw of the different varieties of rain, all cut, moistened, and a little salt added nd allowed to be in bulk a few hours or days, ccording as the weather may be, to soften before feeding, it will be eaten nearly or quite lean, and do as much good as the better qualiy of hat fed whole. Especially if a small prinkling of meal or any kind of gram, or a which stdek will thrive upon in a remarkable degree.
If the flumer has both hay and grain, it is etier to feed a portion of the graiu in this portion grotnd into meal, than to sell it-selling portion f his hay instead, if either must be (isposed of The more concentrated the food the morc fatteuing material is furnished, and the richer and better the manure. Corn fodder, coarse hay mud straw cut and mised as above with a little meal to give a flavor to the taste and smell, will be caten cleau, with the ex eption, pertaps, of a few pieces of the hard butts and joints. Fed three times a day regu anly, with what they will eat clean, stock of all kinds will thrive as well as though fed on an equal amount of English hay, uncut, and the odder prepared as above, and fed, is worth nearly as uneh as a ton of hay.

Liberality in Farmind.-In this art, and luost in this art alone, "it is the liberal hand hich maketh rich.
Liberality in providiny utensils is the saving both of time and labor. The more perfect his instruments, the more rofitable are they
So almost is it withhis working cattle and stock. The most peleet in their kinds are erer the most profitab
Liberality in good lums and waru shelier is he source of heallh, strength, and comfort to nimals, causes the to thrive on less food, and secures from dazage all sorts of crops.
Liberality also inthe provision of food for domestic aniunals is he source of tlesh, muscle and manure.
Liberality to thecarth, iu seed, culture, and compost, is the ource of its profit.-Josiah Quincy.

Obigin of Falous Apples.-The original ree of the Nevown Pippin, of world-wide repute, was a cedliug, which grew near a
swamp in Newtwn, Long Islaud, about 1700 , on the estate oGirsham Moore, aud the fruit was called theGirsham Moore Pippin for a long time. Tie tree lasted over a hundred years, and finly died from excessive cutting, having beemuch resorted to for scions to graft with
The Baldwu, New Englaud's favorite apple, originated irWilmington, near Boston, more
than a centor ago; it grew on the farm of Mr. than a centry aro; it grew on the farm of Mr.
Butters, in te part of the town called Somerville, and hown as the Butters apple, also known as te Woodpecker's apple (the Woodpeoker's liting perforated the tree); being disseminated,y Col. Baldwin \& Suns, it was
called thebaldwin apple.

Whitf Daisies.-The Germantown Telegraph sas the white or ox-eye daisy can be exterminted by eultivating your land to corn or potars for two years in succession, and ot allciug a weed to grow. Or, if you will plow yir land in April, aud drag it twice a
monthill July 1st, and then sow three pecks or a bhel of buckwheat to the acre, when the rop iharvested, you will, probably, find that the dses are gone. Can any of our sulseribers ve us a better remedy

The Farm and wivesite.

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W. AND S. S_ FOSS, EDITORS.

SATURDAY, JANUARY 12, 1867.

## TO OUR FARM FRIENDS

An early love for rural life, an attaclunent to the domestic animals of the farm, au assoeiatiou with the houest workers of the soil, and an appreciation of the vast and rapidly iuercasiug importance of Ameriean Agrieulture, ar the main reasons for publishiug the Farm and Fireside. It has heen our wish, for man years, to conluct just suel a journal as is not before the reader; and, with long experiene in journalism, and a praetical knowledge what the agricultural elass desire, we con menee the New Year with the determination to make as good a farm journal as adequate cap ital, patient iudustry and untiring perseveranc ean produce.
The followers of $A$ grieulture in this country, as a elass, are more intelligent, are better read and more thrifty thau are the agrieulturists of other lands. Besides, they hare the iudustry the pride, the determinatiou to exeel in the noble profession they have ehoseu, and whieh has contributed more to our natioual wealth, stability and greatuess, than any other distinet
professiou. Yet, in turning up the mellow plebe, in the eultivation of diversified erops, in the rearing of stock, in the propagation o fruit, and in the general and ceouomie mauagement of the farm, they generously aeknowl edge that they are not correet in all things, and that they are not "too old to learn." We do not propose to edueate them; but we shall nise our humble talents, with the ability and experience of a large corps of paid contrilutors, to make the Farm and Fireside the best, most praclical, as well as the cheapest Agrieultural jourual in the country. Journalism ean do for Agriculture what it has done for commerce, for literature, education and sound morality.
In order to make our paper emiueutly, practical, we invite faruers, in all sectious of the
Republic, to contribute to our columns. We Republic, to contribute to our columns. We invite them to send in their experieuce, success or failure, in the cultivatiou of any field crop, We ask them to give an account of the adaptability, thrift or profit of their domestic auimals; their success with the different kinds of fruit; their experieuce with various mauures and fertilizers; and, finally, auything which may iuterest other persons in the various walks of rural life. It is by this record of agricultural experience, this exchange of ideas, this practieal way of informing us of what you are doing, that we shall be able to make our paper attractive, practical and ralnable.
The expeuse attending the publication of a journal or a magazine, is more than twice what it was before the Releellion. Paper, printers' wages, the cost of engraviugs, and the price of first-class agricultural articles, are in the same ratio of expense. Yct we put the price ot our paper exceedingly lore, eonsidering the style and eharacter in which it is produced. In order to meet a generous outlay of capital, and to gire the Farma and Fireside a large circulation, we ask every frieud of agriculture, who reads this article, to assist in obtaining for us a liberal patronage. Show this paper to your neighbor, aud interest lim in its success. We pledge ourselves to make a journal worthy of the great agricultural community-a valuahle compendium of rural intelligence, a pleasant companion to the farmer, gardener or stock-raiser ; an instruetor of their families and a defender of their manifold interests. Let ns help each

Change of $\mathrm{D}_{\text {ate. }}$-This number of our journal is dated the 12th of January, insteal ot the 5th, as advertised. This clange is to give us time to perfect our arrangements, typographical and otherwise. Our friends will also hare time to aid us in obtaining sulscribers. As the Fara and Fireside will be valuable euough to bind at the year's end, back numbers, to complete files, ean be obtained. Subscriptions plete files, ean be oblained. Su
should begin with the first number.

FARMING IN THE UNTTED STATES.
Alrnovair Agrieulture gives employment to more eapital and a larger number of persons than any other pursuit iu which the people of this country are engaged, it is uevertheless true that there is no calling in whieh the Genius of Improvement goes forward, from year to year, with suel an uncertion and moderate paee
While the intelleetual activity of the last quarter of a eentury has originated labor-saying inaehinery, adapted to nearly all the of the farm, giving double, and iu some cases quadruple foree and effeetiveness to the worl of the farmer's hands, he has been slow to a a ail himself of those other faeilities whieh scieutifc researeh, and practical skill combiued, have rouglat to light for inereasing the produetive eapacity of the land itself. Inuproved plows harrows, horse-hoes, hay-tedders and mowingmaehines, we have in abundnnee; and we farmers are not slow to avail ourselves of any mechanical eontrivanee ealeulated to lighten the labor of makiug and harresting our crops; hut, as a elass, we are not disposed to aciopt any new methods of cultivation, even when the experience of the most sueeessful farmers has confirmed the teachiugs of scieuce, that the productive eapacity of all soils can be ref
The immeuse extent and surprising fertilit The immeuse extentin ; the cleapness land; and the fieility with whiels food ean be producel, are perlaps among the chieí causes of our indisposition to adopt, in this country, a better system of husbandry than that whieh now prevails. But, whaterer may be the eause, there eau be no doubt of the fact that agrienl tural pursuits will never be so remunerative a they should be, unless those who engage in them are willing to bring to the cultivation of the soil the same labits of investigation and the same earnestuess of purpose whieh eharaeterizes the successful iuvenion: manulacturer or merchaut.
As yet, the science of tarming is in its infan. With rare exceptions the cultivation of the soil in the Uniterl States is wasteful, neghigent and uusystematic. Our cultivated lauds are, in mauy sections, passing through a course of general deteriontion, of whielis 1le owners seem quite uneonscions, because the causes which produce that deterioration are uot at
once appareut to them: the same lands are cultivated year after year with the same crops, without a thought that the elements of the soil, which are removed with the productions of every harvest, must be renewed by the application of fertilizing material. Excessive moist ure from an indurated sub-soil, which has nerer been seratched, cven by plow or spade, checks vegetation contimally, at the very sea son when the atmospheric ageucies are most growth; and noxious weeds are permitted to dispute successfully for the possession of the soil which ought ouly to sustain the life-siss aining plants which the farmer has planted. In thorouglı draining. deep tillage aud liber al unanuring, the American farmer cau find employmeut for all the time and money at his command; and he cannot afford to neglect these three great essentials of good farming, i he would maintaiu a sturdy independence, enoy $a$ serene and coufortable old age, and learc something beside a good name as a legacy to his eliildren. He who depends upou mother earth for his support, cannot afford to iuvest any portion of the inerease which she affords Even the sariugs bauk is a poor place of den posit, if he has a muck bed, a peat neadow, or a marl bed in his ueiglloorlood. Let him not fear to trust the earth, for her increase will be in proportion to his confidence and faith.-
The most successful farming ever known has The most successful farming ever known las their lands, in a single season, an amout equal o the value of the land itscll:

Cleris.-In answer to many influiries. w would state that our paper is offered so low that clubling is almost out of the question. But to clubs of ten, to one addreess. we will accept $\$ 17.50-\mathrm{m}$
sulbscriber.

INTERNATIONAL CATTLE EXHIBITION
We are informed it is in contemplation to hold a grand International Cattle Exhihition a Stanstead, Canada East, in September next. This exhibition, if it takes place, will lec under the joint alspices of the Uuited States an Canadian Agricultural Socicties. We eordially endorse this proposed exhibition, believing i would he of great interest and leenefit to ou agriculturists.

Trpogmamealay riewed, we think the Frerin and Fireside" is 110 discredit to the black art. The publisher, while not aiming red to prececentricity of taste, has endear pearauce. A critieal eye, he it that of a printr or otherwise, will see features in the "Farm and Fireside" not seen in any other publication. The materials are not only all new, but in some respeets peeuliar. Such page, column aud advertising rules, dashes. ete., were never before used in a newspaper. They were made rork. The "head" Conner it Sons, New Iork. The "head" of our joumal was en-
graved hy S. S. Kubuns, Esq., of Boston, after an original desigu by the publisher. We hink it as pretty as appropriate. The type i from the foundry of Messrs. J. G. Cooley \& Co. New York, and speaks for itself. The paper was made, expressly for this publication, by Messis. Grant, Warien \& Co., Boston. 'The fine engraving of " Patchen, Jr.," whieh adorn the first page, was drawn from life by Theo dore Marsdes, Esq., the well-known eattle painter. The little cuts, iu the page eormers are suggestive, and we think uot unsighlly. We sumit to our brethren of "the art pre servative of all arts," that, despite King Solomon's assertion, we do present, iu the Fara Fineside, "something new under the :" and that something not uncomely.

## THE CROPS OF 1866.

The Monthly Report of Agriculture for De mher, contains a final estimate of the corn rop of 1866 . The total result is $880,000,000$ bushels. In the 11 States not litherto reported, 185,000,000 hushels, against $274,000,000$ bushels in 1859. In 22 Northern States 679, 000,000 , iustead of $704,000,000$ in 186.5, showing a decrease of $25,000,000$, while the decrease in quality is equiralent to $75,000,000$ bushels, makiug a loss in feeding value equivalent to $100,000,000$ bushels. The cotton estimates are also completed, showing a total product of 1 , 750,000 bales of 400 lbs . cach. As the actual ales are now nearly 500 lt s. each, this is equir alent to a milliou and a half of such bales. Carolina, 91,000 bales; South Carolina, 102, 000 bales; Georgia, 205,000 bales; Florida, 36,000 bales; Alabama, 220,000 bales; Mississippi, 270,000 bales; Louisiana, 109,000 bales; Texas, 300,000 bales; Arkausas, 182,000 bales; Tennessee, 148,000 bales; other States. 87,000 hales.

Loss of Thonough-Bred Horses. - Thirtyaine head of thorough-bred horses were shipped from Englaud, last month. on the steanie: Helvetia. Wheu the steamer arrived at New
York, only fice of these animals were living-hirty-four having died on the passage. The were owned by a Mr. Cameron of England.

To Adwermsers. - We ask the atteution ot all persons engaged iu the manufacture of agicultural impleunents, or fertilizers ; all who are in the seed business, in stock-raising, in the nursery trade, or who lave farms or farm
lands for sale, to our fournal as a mediun for drertising. Havine a lare eirculation, al most exelusively among agricultural readers, no paper offers greater publicity.

Neif Exglayd Cite Stook Maiket.-The whole number of cattle, slieep. and swine, sold 1866, was 647,12:. Of cattle there were 118 .
8:3 ; slicep, 400, it 4 ; swine, $120,496$.
䠉 This copy of our paper is sent to many personal friends, also to others with whom we it an invitation 10 sulascribe

RE-0EGANIZING THE AGRICULTURAL DEPARTMENT.
Congress has many important duties hefore it, but none of greater interest to the people eltural Departmed re-organization of the Agrimincut service to us, since it has not been of but how to make that Dcpartment more prae ical and valuable, is the question to be cousid red. And, when we contemplate the signifihe gridance of scientifie agriculturists, under he support and protection of the Gorem, nuder commanding the talent and expericnce of the entire country, and laying contribution upon all our rast resourees, we only see its value orcshatowed in the fiture
The eost of the present Agricultural Depart and some of them have made efforts to under nine it by their linar wanderings. We will ot say that the Department has hecn always affirm that its efforts have been invariably in he right direction. But we assume that when roperly organized, when suitably officered, and its scope, force and amplitude are developeapital we may. Congresmen, expend all the ot prone to strict ceonomy in mational appropriations; and we hope no exceptions will be made against the iuterests of Agrienlture.
The bill iutroduced for the re-orranization of his Department, prorides a chief exceutive, to four years, with a salary of $\$ 3000$; an assist ant commissioner, a chemist, and other subrdinate officers. We notice the bill prorides hat all foreign seeds slall be purchased in forcign eolutries, and not from importers here; also, that oue-third of all seeds: enttings, roots, cc., purchased or zaised, are to be sent to the of the United States. This is a good feature and it should be adopted.

Tiee Marls of New Jersey.-One of the most valuable and inexpensive fertilizers known in modern agriculture, is the sand-marls of ew . Jersey, whieh have added immiense 10 the fertility and wealth of that State withthe past quarter of a eentury. Wherever ese marls hare been applied, vastly inereased prodnctiveness las been the unfailiug result ; and many sections which were considered, a the most profitable lands in the State becoun marl deposit of New Jersey is wortl millions o her agriculture, and the ralue of this great nd inexhanstible fertilizer can scarcely be es timated in dollars and ceuts. We have en-
gaged an able writer on agrieultural chemistry give us a seties of articles on the marls of New Jerser, which we stall commenee pubhing in a lew weeks.

Report for 1865.-We have received the nuual Report of the Commissioner of Agriculture, and cousider it a very creditable document; in fact, fiar stperior to the Reports is-
sued within the past five or six years. The arieles are mainly original, and seem to be writ ten by men who understand what they are severe on Commissiouer Newtou, for some cause or otier: , hut this last Repor
depariment, is worthy of all praise.


IPatio Cems.

## WINTER.



## Fireside Irales.

## the wedding gift.

"I am at such a loss to know what to get for Kate Ellerton," said Fanny Talhot as she sat in the library oue morniug, busily netting a purse: "I do think it is onc of the most perplexing things in the world to choose a wedding present."
"Yes," replied her cousiu Ellen, as she assorted her worstcds; "especially where the
bride has a fortune of her own; Kate has had everything her fancy or taste could wish for all her bife long, and sle is to marry a man who is ready to lavish thousauds upon her; what can one give her which she has not already?
"Truc, it won't do to give her anything cheap or common, and yct I don't feel like spending a great deal for a presênt which, after "What co you think of ."
"What do you think of me, then? If I were as independent as you are, I could make
magnificent presents; but papa frcts more and more every day about our expenses, which he says are really cnormous; I quite dread to ask Lim for a dollar now, and he has forbidden m to get trusted."

Really, cousin Ellen, I didn't drean your being so porerty-stricken," said Fanny,
laughing. "Will you go down with me and see what can he fouud? I must go this very mrorning; I aun afraid it will be difficult to fix upon auything, for as I said before, it nowit the something rare or peculiarly tastefil that will suit Katc's fastidious taste.
"I wifi go Fanny, but not to make any pur chase to-tayy.
"If I wert" your, Ellen, I wouldn't think of giving Kate minthiug very expensive; some
little frifie wilf show your kind fecling, and please her juss adia well ${ }^{2 / 2}$
"Bai dhen, yoi knous, the presents will be paraded before afverybdys. and all sorts of commeuts inade ${ }^{7}$ I can'see now the cari on
Joanna Cushing's lip, as" she says, 'so that was from Ellen Chester; ; it is singular what
taste some peoplo have!' Oh, dear, I most try taste some peopile have !' $\mathrm{Oh}_{\text {, }}$
to give her something decent."
It was a wearisome, unprofitable morning whicer the cousins spent in hookstores, printshops and je reiry estahlishments. Such quantifies or gold aud silver plate of every imagin zhbe variety, such glittering jewelry, such a pro Azion of enticing knick-knacks of all con-
ceAvabie shapes and uses passed in review bef pre then, as faily made their eyes ache and
tieads grow dizzy. Yet to all some ohjections thad arisen ; this was common ; this is inelegant and in bad taste; another too expensive; and The slonkeeners were unwearied in their endeavors to please their fastidious eastomers, and placed before them new piles and gemas and trinkets, making the task of deciding every
moment more impossible. moment more impossible.
"I believe I shall take this," said Famay at last in a despairing tonc, laying her finger on a 3ittle waten-stand
s: even Kate's taste must be satisfied wilh anything so uniquc and beautiful as this."

The wittle watch-stand was of alabaster; the principal figure upon it was a sleeping Cupia,
wrought into such symmetrical proportious, Trought into such symmetrical proportious,
and wilh a face of such hewitching siveetncss,
that Fanny had turned again and agaiu to loo at it with fresh delight. It gratified her artistic
taste as nothing else had done through the taste as nothing else lad done through the
unorning; the only objection to it was the tnorning; the only object
price--seventy-five dollars.
"It is much uorere than I designed to give, added she, "but it is the only really heautitul thing I have seen this morning, and as you say, decent."

Ob, I shouldn't mind the price if I were you," an
quisite!
But
But there was "a still small roice" in Fanny's breast, which remonstrated; truc sine had a large fortune entirely at her own disposal, hut that very morning she had resolved to spend that fortune as a true-hearted Christian woman should; and there now rose before her
risions of suffering mothers, of luungry chilVisions of suffering mothers, of hungry chil-
dren and wandering outcasts, waiting to he redren and wandering outcasts, waiting to he reand she hesitated to gratify her taste by such a large outlay.
"I will let you know to-morrow moruing, she said to the salesman, rousing herself from her reverie.
"To-morrow is Sunday," whispered Ellen
Oh yes, so it is ; Mouday morning, then, if you will reserve it till that time.
It was getting latc when Famny and Ellcn
hurricd to the next square to lurried to the next square to reach their carriage. As they were rapidly threadiug their way in the crowd, Fauny chauced to brush
rather rudely agaiust a poor woman who turned toward her a face of such extreme pallor and sadness that she involuntarily pauscd an
instant, hut the crowd pressed hetween them, instant, hut the crowd pressed hetween them,
the face was lost, and Fanny hurried on. It was hut a glimpise, yet that face hannted her there was in it such an expression of heart broken sorrow and utter hopelessness that she was surc some uncommon gricf must have fallen upon its owner. Fanny longed to con-
fort her, to speak at least a word of sympatly and kindness to that forlorn and desolate man "Al," thought she, "how many dif-
fercnt kinds of sorrow there are in the wortd how many are wretched and miserable aroxud me, while I am wrapped ahout with luxuries, and can gratify every wish Yet I too might have heen born in poverty, and he now retusuing cold and kingry, toilsonse and desolate to some filthy horel. Such, andis similar thoughts, rushed incoherently through her hrain, sad deung her more than she wowd have 列ed to acknowledge to ker light-hearted cousis Ellen, who was gaily chattering away about persons
and things around thein, till the reache 8 home and things around then, till they reache ust in time to dress for dinner.
That luxurions meali over, Fazny escapedito her room, glad of a litthe quiet efter the kustle of the day. There rese before her again that sad, pale face, and a series of self-reproastfal thoughts passed througit her mine.
Fanny Talbot was aE orphan, whose pazents had lived in a heautifui country vilage of Tew England. They hoth died before Eanny was ten years old, and from that perioul shc had found a home in New York with Ti̛s: Chester, her father's sister. Being an only child, she had inherited her fatheratortunc, which was a
handsome one, so that in a pecuniary point of handsome one, so that ies pecuniary point of
view she was entirely independent of her elatives.
Fanny had no recollestion of hice father- But she had most sweet andi tender memoriss of her mother, who had surviied bim. sezerail ears. That beloved rather's pare. face, her sorrow in it, and her detteate, sligat flguse, on which disease had laiditits hand, were and in delibly impressed upon the heart of the orphan child. She remembeted, too, the pleasant
walks they had taken en the banks of the litte strean; the hymms heer mother hawd sung to her at twilight, and the payers she cfiered as they knelt side by side in cieir quies home. There green fields with yellow dandelions sand red cloper-blossoms; of hills covered with tall, dark pines; aud of the little brook whici wound in fanciful eurves throngh the old pas-
ture; and often whicn surrounded by brick walls and crowded streets, these pictures had risen before her with a calus and refreshing in-
tions had run through the web of her life, blending with its varying texture, almost im-
perceptibly, yet imparting to it a bright, fresh perceptibly, yet imparting to it a bri
hue it would otherwise have lacked.
But Fanny's character had bcen still more nfluenced by the remembrance of her mother's dying hours. Never could she forget the sickroom with its darkened windows, or the awe which crept orer her young soul as she stood by the bedside and watched the pallid cheek, and the fitful, laborious hreathing; nor the morning when she found that roou was racant, When no mother's loriug face was there; no
soft, low voice to whisper, "Good morning, soft, low roice to whisper, "Good morning, such as only death can hring.
Many years had passed away; Fanny had received an expensive education, and was now cntering society with all the advantages which outh, cultivation of mind and clegance of manner give. Her aunt bad heen affectionate aud kind, aluost as her own mother, but she differed widely in onc respect; she was a fashionable, worldly woman, who attached great importance to outward show, and had never felt the constraining power of religious priuciple. But the last wish and the last prayer of the clying mother's heart had becn answered, and amid the temptations to a different course
which had surroundes her, Fanuy had been which had surrounded her, Fanuy had been
led to lore hoiness and to consccratc herself cheerfully and fully to the service of the savior. But sle was far som perfect Naturally gentle and yielding, she too often glided thoughtlessly with the currcnt, and found it very difficult to do what ler conscieace dic tatel; and very often she mourned bitterly over her dificienties, and mesolved to make
On the evening to which we have referred as she sat alone in her luxuricusly furnishcd room, a train of self-reproackiful thoughts passed painfully through her mind. She saw she was wasting life, fisittcring it away to no good purpose. "I am perpetivaly husy, thought she, "but what do I accomplish? Whom do I make better or happisr? What except selfish entertainnment or enjoyment do I aim at or acthieve? Yet I have health, time and some little portion of wealth at my somBittcr and renentant tears billed her eqes; the inage of her mother rose before her, and she felt that if sle had lived, it would liaze been easy for her to be good. "But all this is weakncss," she said at lengtb, rising and.going to the windown; " "I am old enough to know my duty aud to do it, withoust leaning on any earthly arm. I mass learn to surmount dif ficulties, und gain some chasacter and independence." And she resolvel ${ }_{3}$. alas, not for the first time, that she would be more decided, rould save time $e_{T}$ would seek out objects of charity and relieve their want, would be selfdenying and thoughtifal of others in all her daily life.
She was consciosa of having spent a large proportion of her income foclishly; not on herself cantirely, buat certainly to no available purpose. Sle had oftcn given impulsively out she had kren too indolent tow alopt active and systematic measures for the relief of suf fring. Nowx $_{y}$ she resolved to give time and labor as well as money to the woes and wants of her fellow-creatures, and to practice selfIlenial in thos bekalf. She raised the custain and looked out into the night. From the
windows opzasite, a bright gleam, softened hy the crimson drapery, shone ouk, and the pote ỗ a piano fell an her ear; beyond were innumerable roofs and chimneys, peering one above anorlier, till all were lost in the damenhy distance. Relow, the crowd were still passiug toand fro-a ningleal mass of human
lueings, evach with his own burden of care and toil, of crime and sorrow. " Ah , over how many sonls thocs the Great Father ksep his watch," said Fanny, as she gazed upon the moving host, "and none is forgottey or uncared tor. What fearful spectacles of woe and crinee cloes his cye now behold;" and she cazed fearfully at the littre patch of sky overhead, where the stars were shiuing as calmly guilt and lireaking hearts in all the world below
While in this hushed and sofened mood, hel
morning and the wedding gift. She was little disposed now to lavish money for the mere gratification of her taste, or the momentary pleasure of a friend. "No," thought she, "I will save that money for some poor creaturo who is suffering for the very necessaries of life; how much good it would do that poor oman I saw to-day, while Kate would neve But there roughts upon it.
But there rose before her, grim and threateniug, that phantoun which has frightencd multitudes from doing what their better judgment sanctioncd, the opinion of the world-of her world. "What would cverybody may if she were to make no present? What wowld Kate herseff thimk?"
Seldom had Fanny Talbot thought so derious about her duty, and the distinction betweeu right ands wrong as ou' that erening, amd the "I I
"I will give Kate that craycn sketch I tonk the White Mountains last summer ; she liked very much, and I know will value it, becarse was done by my own land; this will show her I have not forgotten her; and as for others. why, I will not care ; I will for once do what I think is right ; E must gain some firmanss, aud may as well begin to act independently now as ever." And her. heart glowed with deep and fervent joy as she remembered that her heavenly Father wotald see and approse, and hat perhaps her mother's sainted spirit might e bending lovinglys, joyfully over the child ho was striving to do right.
The Sabbath, withe its sweet hours of stilless and heart communion, and of sarred worship, in "the holy place of prayer," strengthened Fanny's new fornsed resolutious; and she went out early Monday morning to see her washerwoman, whom she had heard was ill. As if hy a providential arrangement, (are not all the minutest events of our daily life providential?) she saw on a erossing just before her, the same pale-faceed, poorly clad woman who had interested her so much the day be-forc- She hastened to join ler, yet, fearing to
seeme vude, hesitated how to accost her. At last sude, hesitated how to accost her. At thougbt you were looking ill. May I ask you if yous are not an incalid ?
"My health is not quite good, ma'am, hut I $m$ able to go out on all plecsant days.
"In what part of the city do you live ?"
A hright tlush passed ovar the pale face, and arading the question, she renlied, "in the lowpart, since I came to the ecity.
"Then you arc from the country.
Xes ${ }^{2}$ mảam, I lived in, Greenbrook, ConDecticut, till two years ago.
In Greenbrook, the dear, sweet honoe of Fany's chilshoort, the spot where her molher had lied, and where her precious. dust now slum bexsd:
"Did yoz ever know there a Mrs. Tallot?" she asked hurriedly, without stopping to think how unlifely it was she ever did.

Mrs. William Talbot, who died Lere seve

## - Tes; did you know her??

-Know. her?" answsed the poor woman, er face lighting up with a glow of pleasure, Fes, indeed; I nursedl her when her little Famy was horn, and slie was always the rwest, kindest friend a noor wonzan ever had! It was a sad day for Greenbrook vhen she passen away. If she were bat liviug now.
"What would yous wish of her? Tell me."
The stranger lifted a ququick, easuest glance to de speaker's face, abdexclaumed, "No, it can root be, and yet there-is just the look ahout the

Can you he a zelative of hers
"Yes, she was nather. I am the litile Famy yon cared fis taventy years ago.
"Then," said the woman with streamiug ars, my prayes is answered; God has not and I felt sure that if I could find yon, I could tell you all my toouhles; for I'was certaiu your nother's clilde eould ucrer have a hard or unfeeling heart.
Fanny's eyes glistened with tender emotions he felt as if Goil had indeed hlest her desire o do right, by giving her this oportunity of clpiug her mother's frieud in the hour of need. It was almost like helping her, and a thrith of oy ran through her soul as she remembered who had said, "Inasmuch as ye have done it

## The Trarm and Fireside.

unto one of the least of these, ye have done it nuto me." Mrs. IReed promised to call ou Fanny in the afternoon, being then on her way to return
some sewing to an employer; and they parted, Funny going on her errand of mercy with a light heart.
MIrs. Reed's story, though a rery sad one, was by no means an uncommon one. Left a widow, she had maintained herself respectably by her labor in the village of Greenbrook till her son sent for her to come to him. He had lived in the eity several ycars; he was an only child, and should have been the stay of her old age, but alas, his career had been a downward one, and at the time his mother came to New York, he had reached the lowest state of degradation. IIis wife, searcely hetter than himself, had died, leaving four litlie ehildren motherless.
It was a sad change from the beauty and greenness of her sweet eountry home to the
elose, filthy street where Robert lived, from haud to mouth, in the most wretelied way. But a mother's love and courage triumphed over all that iwas dreary and repulsive; and she struggled on, caring for the poor orphans, and still hoping her boy might be saved from utter ruin. It was all in vain. The profligate sunk deeper and deeper in sin and shame, till he came to his end in a way too shocking for the mother to relate. Her heart was broken; but bravely she toiled on, straining every nerve to keep starvation from the helpless little ones. One after the other, two of these eliildreu had sickened and died; and Mrs. Reed, with slattered health and weary heart, was now watch-
ing over the remaining two, with that womanly tenderuess which is only made stronger by suffering and sorrow.

If I could but get to Greenbrook with the ehildren," she said to Fauny, "I have thought I might eontrive to support them there, and the poor little things would then grow strong and liealthy; but it takes money to travel, and I really ean't do more than get shelter and daily bread for them; aud sueh a home as it is-oh, Miss Talbot, I never thought to eome to this! It was wieked pride perhaps which made me unwilling to tell you where I lived, but I had
always a tidy home till I came here; now I dm in a garret, and everything about it is so filthy, vilc and wretched. Ab, little do the poor in the eountry know what distress and poverty are, for they can always at least have fresh air to breathe, and room to move.
Never had Fauny Talbot, the admired and fashionable heiress, felt an emotion of purer joy than wheu slic saw she had iu her power to provide for this noble-liearted woman.
"That seventy-five dollars," thought she, " will take them all to the blessed country; oh, how mueh wiser the outlay for such a purpose, than for a wedding gift,"
For many days Fanny's heart and thoughts were much occupied in plauning for the Reeds. By ceonomizing a little the coming sumuner, giving up the six wecks at Newport and the fashionable dresses necded there, for all which in her limmost heart she cared so little, she eould take a pleasant cottage in Greenbrook,
furnish it comfortably, and settle Mrs. Reed and the children in it. Yes, that was what she would do; and she would go lerself to elcar, quict Greenbrook, board there through the summer, and see with her own eyes the Reeds provided for; and instead of her usual round of brilliant gaieties would refresh her spirit by communion with the hills and forests and bright streams of her native place. Sweet peace entered her soul as slie thus resolved to free herself from the fetters which had hitherto bound her to a ecrtain routine of living, and
act in accordanee with the dietates of her act in accordanee with the dietates of her own
warm, generous heart, regardless of ridieule or the conteuptuous sneers of her fashionable friends.

It is Fate Ellerton's wedding night. Gay and beautiful is the secne, graced by beauty, elegance, and the most refined and cultivated - taste; nothing is wantiug to the enchantment
of the hour. The presents have been exhibited in an ante-room, aud, really maguificent and splendid, have been applauded by the admiring guests. Fauny's little drawing, prettily framed by her own hands, and sent with an affection-
gift too sacred and dear to be paraded. The absence of anything costly from Fanny Talbo was often eommented on, aceording to the in dividual views of the speakers, but these com ments never reached her ear, or if they did,
had no power to disturb the sweet serenity of had no po

Why, if there is n't Fanny Talbot iu that same white silk sle wore to Mary Gray's party. How ridieulous! I should think she might af ford a decent dress, if nothing more."
The gentleman to whou this reuark wa made turned to look at the lady referred to, and though he did not say it, he thought, a she stood there, in her robe of snowy white, with no ornament save one pure white camelia n her beautiful tresses, her face glowing with sereue invard light which irradiated every feature, that never before had he seen any voman who was so nearly the realization of his long-elerished ideal of feminine loveliness It eost Fanny something, nay mueh, (for she had a gentle heart, which grieved to annoy or pain her frieuds), to break away from the plans laid for her, aud scparate herself so entirely from her uncle and aunt for the summer; but in rambling about the shady nooks, and fiagrant musical old woods of Greenbrook in the quiet summer hours, she inhaled fresh, vigorous life with every breeze; yes, fresh mental aud spintual as well as physical life; and she returned to the city, when the leaves were strewing her favorite walks, and the autumn departing beauty. of the forests, a stronger, wiser, and nobler woman; a woman living henceforth, a life of self-denying activity for he good of others, and of true allegiance to all that was best and liighest in her nature; a no-
ble, happy, serene life, which diffused far and ble, happy, serene life, which diffused far and as the choice and precious gifts which her true benevolence, guided by a refined taste, knew so well how to suitably dispense. Many rose up aud applied the holy words, "blessed is he who considereth the poor; the Lord will preserve him, and keep him alive, and he shall be blessed upon the earth."

## BRYANT, THE POET.

Ir is just fifty years ago sinee Bryant published his "Thanatopsis" in the North American Review, and yet that "good gray head which all men know " still lingers with us, honored and revered. One easily guesses the secret of his long and usernul life by watching lis habits in these latter days in his own home at Cedarmere. He rises at six in the morniug, and ex ereises with dumb bells for an hour. He congratulates himself" on his slender build, and
says, laughingly: "How much better it would be to earry a heavy load for half au hour, and then be relieved of the burden, than to cary it with one forcver, at every step." He is simple to abstemiousness in his diet. While his breakfast table is amply supplied with variety for his guests, he contents himself with a dish of boiled hominy and milk. He uses neither ca nor coffee, though they are always offered others. He writes chefly in the morning, and devotes the afternoon to outdoor exercises, and tbe evenings to social enjoyment ; for he necessity of execssive labor. His attachument to his home at Cedarmere is very strong; and he interests himself in the coneerns of his ueigh-
bors with a hearty friendliness. May his kindly face, with its flowing, silvery beard and hair', linger long under those beloved trees whieh rise above Cedarmere

Tobacco, - The Northampton (Massachutts) Gazctte says tobaceo is a dull erop just now. Most of the tobaceo laisers in the ricin-
ty have two years' crops on hand, with no nore prospect of a ready sale for it now than there was a year ago. At IIartford, Conuecti cut, sced leaf finds few buyers at thinty cents.

Fhut-Growers Soolety. - The amual meet ng of the Pennsylvania Fruit-Growers Socie y will be held at Harrisburg, on the $16 t h$ inst. The convention will continue in sessiou several days, and fruit growing will be amply discussed


## POULTRY IN FROSTY WEATHER.

Tueres is something cxhilarating in frost. When the early morning breaks on the earth to spurn the foot that treads on it, and the sun ises like a dise of burning eopper, there is something elicerful about it. Nature has donned her masquerade dress of white. Your ld friend contam himsen, and the sta shake his liead or whisk his tail as the only answer to what a granddaughter of ours calls a good cut o" the whip," now secks to derour space, and to try conelusions with your
strength or that of your reins. In like manner your tried friend, the old dog, gambols, and, in the gleesomcuess of his feclings, he picks up a shred of eloth in the field, and shakes and osses it for tery wantonness. The appearanee of real winter, then, is a holiday for many, but (ah! those buts,) not to all. It is none t the poultry. Water is frozen; the ground is o hard they eannot serateh, there is not an insect of any kind on its surface; and they must want. See that they laek nothing. First they must lave water. Few people have any idea of the suffering caused to birds by the lack of water. Their power of maintaining life on the smallest quantity of food is wonderful, provided
they have water; but a practiced cye can tell they have water; but a practiced cye can tell
in a dead fowl or pigeon, whether it suffered or not from thirst. The skin becomes hard, dry and red; the flesh contracts, as it were, and occomes brown, and the whole body looks as if it had been suddeuly shrivelled or dried up You must bear in mind they require nore foo and better than they do in milder weather and if you ean, let them have a greater varie insects. Now, the seraps of meat and fat from the talle should go to the fowls. Save the draining of all the glasses, pour them together and sweep all the crumbs and odd corners of bread into it: Feed the birds often, and,
there is snow, sweep a elcan place and fee there is snow, sweep a elcan place and feed
there. Never feed any lind of bird in such manner that they will pick up snow with their food; it is a strong medieine to them. The lark that faitens in two days on the white hoa days' suow. - Cottaqe Gardener.

## FROST HELPS THE FARMER

Is this climate winter rarely sets in until om frequent and heavy rains the ground is pretty thoroughly saturated witl water. It
would be a misfortune to the agriculturist $t$ have the soil freeze solid and permanently fo he season on the heels of a drouth. Wells aud springs would fail in the winter time, and he action of frost could not prove so beneficial present in it. Few talse uote of the aetual ef fect of freeziug aud thawing upon all kinds of soil, more especially on the heavy and therefore reteutive ones. These most need the ac tion of the frost and nature has provided for em to receive it to a greater extent than nut urally light, porons soils. The water is dis-
persed all throngit the pores of the soil, and by its expansion when frozeu it eraeks, pulverizes,
liths apart the partieles from each other, to nore minute degree thau it is possible to ac couplish by any maehinery, While this ac ion is farorable to the extension of the root whieh is physieally so combined as before to cunarailable as fertilizers. So the looser the oil is left before wiuter, the better will be the action of frost upon it. On heavy lands, are signs of good husbandry.-Rural Nè Forker.

Cranberries.-Six acres of meadow iu the own of Mansfield, Couneeticut, were carefully three or four years ago. Last year; upward of four hundral and fifty bushels of cranberpatel. 1 profitable crop.

The quankets.






 wees's prives.
Store -With the exceptions of Working Oxen and Millch Cows
there are no Stores in markeh hoost of the emall catio belog solud


 The supply is light, owing to the stormy, yet tho



$\qquad$
philidelphia cattle market.


Alucrisement.
$M^{1}$

$\qquad$



H Hartioulture.

## HOW to REfovate an old garden

ritten for the Farm and Fireside
The complaint is quite common that the soil of our old gardens is deteriorated, that it fails to produee the large and healthy roots that it was wont to do in its virgin state. This de terioration is often seen, even when barn-yard
manure has been freely applied, year after year: manure has been freely applied, year after year.
Our Shaker friends, amoug others, complain of this degeneracy; and surely no one will ac cuse them of a niggardly application of ma nure, or of poor eultivation. From their first settlement in the country, they have ranked among our first horticulturists; feeding their crops bountifully, and reaping a bountiful harvest; but in spite of their skill and unremitting labors, they complain that their pota toes are unhealthy, their turnips worm eaten and their parsnips deformed with fibrous roots Every effeet must have its cause. Lct us briefly inquire the cause of this degeneracy in our old gardens; and, if possible, find a remedy: In most of our small gardens there is little opportunity for a rotation of crops. Beets, beans, etc., are very apt to be grown in the same loeality, year after year. We well re member that in our.father's kitclen garden, the sides of the main walks werc as regularly sown with beans as the gardeu was made, and the same beds were made up for beets and onions. As a natural consequence, the soil beeame ex hausted of the peeuliar elements whieh those vegetables partieularly required. The analysis of beets and beans shows varying constituents. In the former, the phosplates abound; in the latter, nitrogen, Now, if we raise beans on the same ground year after year, we show that "we do not "know beans." The miner might as well wash his placer-soil over and over again, expecting to find the gold dust as plentifully in each suecceding as in the preceding washing.

The first suggestion, theu, I would make, for perpetuating tie fertility of our gardeus, is a 1 rotation of crops. When practicable the location of the garden should be changed every few years; but this is seldom convenient and often impossible. The saure erops, however, need not be raised, eveu in a small garden, for a suecession of years, on the same ground. Where corn grows one year, cabbages may grow the next; and thus the land has an opportunity to reeuperate its exhausted energies, by drawing frons that inexhaustible souree of fertility, the air.
Another mode of restoring vigor to our gardens, is deep cultivation. This may be done by trenching with the spade-an expensive mode -or by the subsoil and treneh plows. The latter is an effective instrument for cleepenin the soil, and depth is an essential in a good garclen, but cloes not bring to the surface the underlying stratum of earth, like the subsoil plow. This under stratum is often just what the garden neecls to restore its ancient fertility, furnishing those very elcments of which the surface soil has been deprived by loug eultivation. When the subsoil plow cannot be conveniently obtained, the same effect may be produced by runniug a common plow twice in the same furrow. Where the soil of a garden is a clay loam, with clay in prepouderance, wo have seen y, yonderful effects produced by drawing pure sand upon it. When a sand bank i not within eonvenient distance, a similar result may be effected by carting upon the garden the washings of the road-side. If the soil is a
sandy loan, the probability is that sandy loain, the probability is that clay is the ingredient wanted for its invigoration; and a load of clay may do far more good than a load of manure. Muck, also, sometimes acts like a charm in restoring fertility to an exhausted soil; but the most certaiu of all restoratives that we have ever tried, is the decayed leaves of the forest. In every grove we find places where the wind has deposited the leaves for years and perbaps centuries, and their decay has formed a virgin soil as rich as the garden of Eden. A ferv loads of this forest soil, carted upon an old gardeu, renews its age. It has the same effect upon the garden as it was supposed the much sought, but never found, elixir


THE FARMER.

| dis 1 |
| :---: |
| Far from the world's tempestuous $s$ Free, 'mid the scented fields I |
| When morning woos, with roseate hue <br> $O^{\prime}$ er the far hills a way, <br> His footsteps hrush the sllvery dew, <br> To greet the welcoming day. |
| When Sol's first heam in glory glows, And hithe the skylark's song, Pleased, to his toils the farmer goee, With checrful steps along. |
| While noon hroods o'er the sultry sky, And sunheams fierce are cast, Where the cool streamlet wanders hy, He shares his sweet repast. |
| The twilight's gentlest shadows fall <br> Along the darkening plain, <br> He lists his faithful watch-dog's call |

own the green lane young hurrying fe Their eager pat hway press;
His loved ones come in joy to greet, And claim their sire's caress. , when the erening prayer is said,
And Hearen with pralse is hlest weet reclince his sweary head On slumher's couch of rest

Nor deem that fears his dreams ans, Nor cares, with carking din;
Whthout, his dogs will guard from barm, And all is peace within.
re, who run in folly's race,
ye, who run in folly'e race,
To win a worthless prize,
Learn from the simple tale we trace,
Where true eoptentment lies!
Ho 1 monarch 1 fush'd with glory's pride
Thou painted, gilded thing 1
ie to the free-horn farmer's sic
nd learn to he a king!
of the old alehemists would have on man's physieal nature, giving it perpetual youth.Iixed with a little sand, it is just the soil for our lot-beds and the pots of house plants. We were admiring, one day, the thrifty plants of a Seoteh lady, and asked her the secret of her success. "La! there is no seeret about it," said she; "my father was a gardener, and taught me that rolted leaves were cheaper and better than manure ; and I fill my pots with he virgin soil of forests, selecting some sandy pot, and my plants grow in spite of une."
This was good Seoteh common sense, and re took the hint. If the forest soil is good for house plants, it must also be good for garden crops; and we have found it so. We know that it seems like "robbing Peter to pay Paul, when we deprive the forests of their legitimate aecumulated food, to enrieh oir gardens; but is man's prerogative to judge where the enrehing material is most needed; and besides, these forests are great misers, constantly aecumulating from the air and storing their rieh es in the earth; and frequently these riehes are so great that the trees will not miss a few eartloads. If any one is skeptical as to the effeet f this forest soil, let him try a little of it in his ots or lot-beds; and we are greatly mistaken its use will not be extended to the garden. January, 1867.

## REEPING FRUTT.

Fruit houses and special patents for keeping ruit, says a contemporary, lave of late become the rage, aud while we are disposed to favor every progress in the science of horticulture, cither as connected with the growing or keeping of fruits, \&c., yet we feel unwilling that any of our readers should be impressed with the idea that keeping apples for spring uses is at all a matter requiring either the usc of a fruit housc or any special patent. Records'arc daily made, and have been for years of the success of keeping apples after being frozen solid, and hundreds of barrels are yeary buried in the eartl and brought out in spring s fresh as so many potatocs. The one grcat feature conneeted with the preservation of a frozen apple is that it be kept in the dark until completely thawed oat. And the suceessful feature of keeping apples in orlinary dry cellars, is to place them in bins, or boxes, of about one foot iu depth, and cover them from all light, while at the same time there is kept up a ree circulation of air in the apartment. Light and warmth serse to assist the natural process of maturation, while shade and a cool temperature retard it. Shade, again, in a confined atmosphere, as in the case of apples barreled tight, often adrances deeay rather than retards . This is known to every fruit dealer, and to most inen who purchase their winter's fruit from the dealer. Ou opening a barrel of apples that have been lieaded up tight for a couple of weeks or more, their appearanee is fresh aud
grow dull looking; and, if a light colored fruit to soon present the appearance of having been half baked. This is from the steam or warmtl moisture of the fruit. Had the barrel-heads and some part of the side-staves been bored so as to let off this moisture engendered from the warmth of the fruit so confined, the apples on openiug would appear equally well, and with eare in the hands of the consumer, could be
kept a long time. It will be remembered, therefore, that to keep apples it is not only re quisite to exclude the light, but that free cir culation of air, even if it be down to a freering point, or even below, is also necessary.

## PEAS AND BEANS.

These artieles have been found by ehemiea analysis rieh in nitrogen. The inferenee ha been that they would be speeially useful in supporting the waste of the museles of animals, aud it has been suggested that they would be partieularly useful in the production of wool They are evidently valuable for these purposes but not less valuable for the production of fat. Those persons who have userl peas for fattening hogs, eonsider them worth as mueh as Iu dian eoru. In distriets where that grain is not grown, very fine pork is produecd from peas Diekson, in his work "On the Breeding of Live Stoek," states that a sweap-stakes was entered into between five East Lothian farmers, to be elaimed by the oue who should be pro nounced the best feeder of cattle. Forty eattle of the same bread, and in equal coudition were divided between them, as fairly as possi ble. They were put up together the second following. The winner of the stakes fed hi animals wholly on boiled beans, with hay.

Covering Stranberimbs.-C. E. King, of Westchester, New York, says, he used to think that corering strawberries was but a waste of time. In the fall of 1865 , he had a bed of strawberries, twenty rods in length, and about a rod in breadth. Four rods, on one end, werc covered, the others remained uncovered. In spring, as soon as cold weather was over, the thiekest of the eovering was removed. The plants, covered, started first, aud looked best through the season. The four rods covered, produced ollc hundred boxes of strawberries berrics.

California Wine Pronuction.-During last month a concention of the wiue-growers of the State of California was held at San Fran cisco, at which it was reported that the State would produce during the present season abou $1,500,000$ gallons of wine.

Time and labor, devoted to the collection of materials to be converted into manure, are the nost fruitful sources of profit in the whol range of farm eeonomy.

Aduertising Column.
Rhoude Island.
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Massachusetts.

LUMBER FOR SALE.-Twelve to fifteen thousand feet of ( ${ }^{2} 2_{\mathrm{L}-1)}$ ARNOLD TAFT,

## Pennsyltania

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The Farm ann Firesine is devoted to Agrieulture, Hortieulture, Stock-Raising, Rural Architecture, Market Intelligence, Literature and the Arts. It has a corps of agricultural writers of reputation, and the aim of the Publisher will be to make a journal cuninently practical, and of every-day value to its readers. The Litcrary Department is intended to instruct and amuse the farmer's better half
its columus this journal will advocate the best interests of the farm and the fireside.


Hfireside sugyestions

## YARMERS' CLUBS

Fors the intellectual culture of the farmer and his advaucement socially, as well as in his calling, we estcen "Farmers' Clubs" as of the first inportance. We have long felt convinced that it is the isolated mode of life of the husbandman, that is the great drawback in his ef forts to attain that great social position to which he is entitled by his moral worth and in tellectual strength. Plodding alone in his
field day after day, and coming in contact onfield day after day, and coming in contact on-
ly with his hired men, generally of capacity and acquirements intcrior to himself, how is his mind to be polished? Diamoud alone can polisi diamond; and it is mind alone that quickens and stimulates mind. Books may go far to enlarge and strengthen intellect, but
hooks alone do not put on the polish. Man must come in contact with man, and if views clash and difier, all the hetter for the polishing process. The intellect of the solitary farn
is muteh like his axe before it is ground has the strength and ring of the true steel, but it is not keen and bright. We once heard it sneeringly remarked of a young man who had risen to some eminence in the world, "He
has a small mind, highly polished." The remarik was very true, but not at all to the discredit of the young man. If he was making the highest use of the faculties he was eudowed with by nature, all houor to him. A small mind highly polished will do far more good in the world, than a great mind left to rust. The
iron which forms the nail can be madc into the needle of tie mariner's compass ; but in order to do this, it must coune in contact with other iror,; must be tried as by fire, hammered, filed
and polishcd. The farmer thinks as he follows and polishcu. The farmer thinks as he follows
the plow, hut the current of his thoughts runs sluggishly. We are all thinking, all the time, awahe or aslecp; but how dull, dry and prosy solitude day after day. The farmer sits before his kitchen fire cf a winter evening and his dog stretches liunself at his fect, both silent,
both musing whilc the fire hurns, and the plodding wife may sometimes wonder whether the musings of the onc amount to morc thau those of the other. Lct a ueighbor come in, and the man wakes from his reverics and begins to
think with some acuteness; and if the neigh bor las life and warmth, it is sure to be com municated, for caloric has no greater tendency to cquilibrium than has mental vigor. Whenee
comes the kcenness of the city newsboy? IIe has bad poor opportunities for education, but he is bright, quick at repartec, and if he doe not fall into the slough of vice, pushes on to distinction in the world. His keenness is sole
Iy the result of mental contact. Just what the ly the result of mental contact. Just what the
farmer wants, the newsboy aoounds in. The one is cducated by cattle, crops, brooks, trees, a weekly ncwspaper and the Sabbath sermon
-oll cxcellent teaehers so far as they go-and -all cxcellent teachers so far as they go-and
the other by coutact with living men. The factory boy is proverbially cute, the farmer boy dull, aud the reason is as obvious as the nose on onc's face. Polished manners and
polished minds can only come from intereourse with meu. Wc were shown, recently, a
quartz stonc, pieked np in a gravel bank, quartz stonc, pieked up in a gravel bank,
and the questiou was asked, ""how could this hard sione have had its rough corncrs rubbed off, and be fashioned and polished in this manner?" We could only point to the sand and gravel from whence it was takcn, for an an
swci to the question. Whirled and tossed for swcr to the question.
an indefinite period among its fellow-sands, it had fingly assumed this symmetrical form. Quartz had polished quartz. The stone might have beeu whirled and pressed among books for centuries, and it would not have rcceived this form aud polish. Now the "Club" is just the place for the farmer to get this rubbing.his fellow-farmers, and his mind will he expanded and brightened in spite of himself. He must attend the Club, not mcrely as a passive listcner and receiver, but as a speaker; and it is wonderful how fast the mind operates when its thoughts are finding vent in speech.

When we rise to speak the air seems to be let on to the furnace, and if there is any carbon in
us, it is kindlcd into a glow quiekly. If elashing views are presented, sparks of truth are ing views are presented, sparks of tortunately,
sure to flash out. All wisdom is, for sure to flash out. Ahl wisdom is, fortunately,
not in one head. The wisest man in the country can learn something from common folks. It should re the duty of every member of the Club to corimmicate his share of kuowledge. Let cvery man come with hits gun loaded, and take aim as he fircs; and ignorance, prejudice and nanow coneeit caunot stand the assault.We speak whereof we know, and testify to what we have seen. It has been our privilege for the last eight or ten years to attend a live Farmers' Club, and we have watched its oper ations and results earefully. It has not only made better farmers, but what is more, it has made better men. Brains have beeu brought into requisition as well as muscles. Not only has the liead been hencfited, but he heart has
been made bettcr. The sweet charities of life have been cultivatcd; and the result has heen, better neighbors and better citizens, as well a better farmer\& We commend the "Club
one of the means of modern eiviiization. one of the means
January, 1867 .

## pRESERVING HEATS

Tue following is the Knickcrbocker Pickle s given by Judge Buel in the Albany Cnltiva tor for October, 1865. We have tried it ourseves several times with good success, usiug however, only about half an ounce of saltp
Take six gallous of water, nine pounds salt, threc pounds of coarse brown sugar, on quart of molasses, three ounces of saltpetre and oue ounce of pearlash--mix aud boil the whole well, taking care to skim off all the impuritics whieh rise to the sturface. This constitutes the pickle. When the moat is cut, it should be sligbtly rubbed with fine salt, and
suffered to lay a day or two, that the salt may extract the blood; it may then be packed tight in the cask, and the pickle, having become cold, may be turned upon and should cover the meat. A follower; to fit the inside of the cask, should then be laid ou, and a weight put on it in order to keep the meat at all times covered
with pickle. The sugar may be omitted withwith pickle. The stgar may be omitted with-
out matcrial detriment. In the spring the pickle must be turned off, boiled with somic ad ditioual salt and molasses, slimmed, and when cold returned to the cask.
Fordomestic use, beef and pork hams should not be salted the clay the animals are killed, but
kept until its fibre has become slort and tender, as these changes do not take place after has been acted upon by the salt.

Salmon Hatching in Eastren Rivers.We learn from the Manchester Mirror that the almon spawn deposited in Baker's River, N H., some timc ago, by William Little, Esq., was doing well. Mr. Little has received word
from Joseph Clement, in whose carc the spawn was left, that the latehing had commenced.A peculiarity noticed by Mr. Clement is that as soon as they hatcl they work down through he pebhles on to the sand, and that it requires careful searching to find them. There is uo only ouc question to be settled before the theoestablished as a certainty, and thạt is in regar to the fishways. If they shall be so construct ed as to make it practicable for the fish to find and pass over then, but few years will elapse before

East Mode of Sifarpening Edge Tools. Tbe simplest method of sharpening a razor or other edge tool, is to place the blade for about of its weight of sulphuric or muriatic acid.Upon taking tbe razor out, wipe it off lightly on a piece of soft rag, and in a few hours afterward "set" it on a strop. The acid stupplics the place of a whetstone, by corroding the en-
tirc surface umiformly, so that nothing hut a irc surface uniformly, so that nothing hut a
good polish is afterwards needed. This process never injures good razors, while poor ones are often improved by it.

## feeding and feed for pigs

Mr. S. G. Stenre, a celebrated English breeder of pigs, describes his managemeut o them as follows
"Pigs eat the feed much better when it is fresh. I give them a variety of meal, such as wheat, maize, barley, and whatever is most convenient to mix together. I have it all wet ted with cold water, and then scald it with boiling water, and sprinkle it with salt What is mixed one day is used the next, thu giving suficient time to allow the food slightly to fermeut and cool suffieiently to feed with. This 5 my winter plan, but in the summer I mix all with cold water, and feed with eold food. Be when meals I give them whole maize, and nangold wurzel or swedes cut small, a little oal and soil occasionally, and allow them llenty of clean water. When pigs are put ur for fatting, I find nothing better to feed them with than barley and maize meal, mixed to rether into slops, water always kept by them, and a little mangold cut for them oceasionally. It is very beneficial to wash and brush as often as convenicut. This is quickly done by experienced hands, and will amply repay for the trouble. I am certaiu that the eottagers would find their piss fatten a great deal faster if they would wash and brosh theun, and fecd them with warn food, iustead of with food all ice; and that they would he well paid for any little extra trouble it might cause them. They should also be fed two or three times a day. Goodbred and well-fed store pig3 will always consume the refuse which a bad-brch one would refise."

## origin of vegetables.

Garino came from Sieily, where, for my part, wish it had staycd. Beaus blossomed first vithin sight of embryo mummies, in the land of the Sphinx; and the egg plaut first laid its lossy treasures under the African sun, and Southern Europe gave the artiehoke and the beet. To Persia we stand indebted for peachs, walnuts, mulberries and a score of every we the cultivation of spinach; and to Southern Europe we must bow in tcarfill gratitude for the horsc radish. At Siberia the victims of moderu iutcmperanee may slake their gory locks forever-for from that cold, unsocial land came rye, the father of that great fire-water river which floated so many jolly souls ou its treaeherons tides, aud eugulfed so much of humauity's treasure. The chestrut, clear to squirrels and young America, first dropped its burrs n Italian soil. Who ever dreams, while enjoying his "Bergamott:", his "Flemish Beauty," or his "Jargonelle," that the first pear blossom opened within sight of the Pyramids? aud what fair sclool girl of the piekle-eatiug tribe, dreams of thankiug the East Indies for

Parsley-that pretticst of all pretiy greens, taking so aaturally to our Ameriean soil that it ceems quile to the manor born-is only a so ourner amony us. Its native home is Sardiu ance with eivilizcl man. Onions, too, are ony naturalized forcigners in America. I had hoped that in poetic justice, researcl would prove this pathetic bulb to have sprung from
the land of Niobe. But no; Egypt stretehes forth her withered hand and claims the onion as her own! Maize and potatoes, thank Heaven! can mock us with no foreign pedigree.They are ours-ours to command, to have and to hold, from time's beginuing to its ending, though England and Ireland hluster o
"corn" aud "praties" till they are hoarse.

How to Keep Meat Fresh.-As farmers are
at a distance from meat-markets, the following direetions for keeping meat may be of use to hose that try it :-Cut the meat in slices ready o fry; pack it in a jar, in layers, spriukliug with salt and pepper just enough to make it palatable; place on the top a thick paper or
clotb, with salt halc an inch thick; keep this ou all the while. I have kept meat for thrce weeks in the summer, and the last was as good

## what a cumberland farmer is doing.

Rumor having told us that there were some y barn of Mr. Renselaer A. Jillson, about two miles from Woonsocket, we went over there on Wednesday to see them, for we are an adimirer of the bovine race. For once Madame head of steers in his bain, all in the process of being made into marketable beef. Some of them are the finest cattle cver seen in this secion of the country. There are five from Ashand, Kentucky, the homestead of Henry Clay, the statesman who, like Daniel Webster, ras too great to be President. Three of these teers are monsters iu size, averaging two thousand pounds each, live weight, and five years old. They arc perfectly white and comely as any horncd animal that we remember to have seen. We regret to say that they re doomed to an early cleath, two of them having been engaged by Messrs. Mall \& Ran-
of Blackstoue; aud the other by Mr Benj. Phetteplace, of Providence.
Mr. Jillson, who is onc of our best and most enthusiastic farmers, has gone into the cattle racte for two purposes: 1st, he wants to enrich his farm with manure, of which he will have one hundred and fifty cords uext spring ; d, he designs to furnish butchers with first quality beef. He slanghters and dresses the animals on the premises, having recently erected a model slaughter lousc, 44 by 28 feet. The hutchering is under the direction of Mr. Augustus Addlington, who hrings to the work ong experiencc. We saw twenty-five beef eareasses langing up in one room. They furnished a tempting display to a hungry "beefeater." This room is arranged with ice shelves aud hoxes, to preserve the meat in hot weath-

We noticed that all the various departcats, includiug the barn ( 80 by 40 feet), were ceedingly neat and orderly
Mr. Jillson commenced this cattlc trade in September last, and he has had over three hundred head on the premises siucc that time. He designs to make the fattening and butchering of first-class beef a speeialty, and we trust he will reeeive patronage sufficient to makc it remueretirc. The business must greatly $\mathrm{cn}-$ re sliall speak particularly on some future oe casion, - Woonsocket Putriot.

Hint to Mileers.-If you lave a cow that annoys you by whisking her tail in your face, while milking, as some do, I give you a simple reuredy

Take a stout wire about eight inches long, and make a small loop at one end, in which you can tie a string. Then bend the wire near the middle into a pretty sharp angle, making a hook that will take loold of the brush of the tail a little above the lower extremity of the bonc. Have a loop in the other end of the striug, by Which you hang it to a uail in the timber ove the cow, or a little to her left, having the string short cnough to raise the brush of the tail about
a foot. The sanc look can be used for any number of cows that have this disagreeable trick.
This is a simple but cffectual remedy, and well worth knowing by any milker; who rould keep his temper and his clear collar - Country Gentleman.

What Makes a Busnel-The following table of the number of pounds of various articles to a bushel may be of interest to our read-

Wheat, sixty pounds; corn, shclled, fifty six pounds; corn, on the cob, seventy pounds rye, fifty-six pounds; oats, thirty pounds barley, forty-six pounds; buckwhear, fifty-si pounds; Irish potatoes, sixty pounds; sweet potatoes, fifty pounds; ouions, fifty-scren ounds; clover seed, sixty pounds ; timothy seed, forty-five pounds; hemp seed, forty-five pounds; hlue-grass seed, fourtee

A Marysville, Cal., early 'June apple-tree has lately ripened a second crop for the yenr: It blossomed for it in October

HOW TO IMPROVE FARMING.
Written for the Farrua and Fireside.

## Ricerside, Jan. 15th, $186 \overline{1}$.

We read of a Riverside Park, a Riverside Press, and a Riverside Magazine; why shouldn't there be Riverside papers, on Riverside bemes, by a Riverside correspondent? Of course there lome in a famons valley, and fancy we have a correct rural eye, if not cyrie, we venture a few olservations, promising that whenever the editorial intimation comes of "nuffi-cel," we
shall suddenly "dry up," it not disappear altogether.

For such a necessary business as agriculture, there is a great deal of waste and neglect and ignorance about it. The best informed make egregious blunders, and the most experieneed often grope for the wall. It isu't to be woudered at, therefore, that uoviees flutter, singe their wings, get hewidered, and oceasionally perisl. Farming requires multifitious wisdom, skill, taet, industry, foresight and prudence; and the more thoroughly these are wrought into the farmer's life, the higher is his development, altaimment, and pecuniary suceess.There are those who chink any tarm a paradise, every farmer a king, and wonder why all
those who ean eultivate a rood, ean't have an iucome tax. Now what are the facts? Is it not often true, even in those enviable localities known as rich river-hottoms, that the style of farm-liie is monotonous?-that the farmer is literally slavish?-and that, all over the comntry, it is an exeeption rather than a rule, for a farmer, liom the profits of his farm, to pay an income tax: Such is the result of our ohserva-
tion, luat such should uot be the case. Unpalatable as the assertion may seem, and contrary as it is to the wishes of those who have lands to sell, farming, as generally managed, doesn't pay. Deduet taxes, laborand interest ou investulents from a crop, and in very many cases there is nothing left. Even tohacco,
once the pet source of profit, is not an exception, for the two last erops have been slim and dull of sale.
What ean he done for the improvement of our agriculture ?
Our first suggestion is, don't waste anything. The commou tianer throws away considerable every year. Look at the waste of liquid and bone manures at almost every farm house. What becomes of the soapy wash water? Do the cattle eat their fodder eleau, and is there nothiug edille trampled under foot? Wheu these, and numerons other questions can be answered in the affirnative, one important step
is taken in the path of improveneut. Secondy, don't neglect any thing. Whatever is worth doing at all, is worth doing well. He who keeps a little alkead of bis work, is most truly forehandel. Shiftless management is always demoralizing. Lasly, read, write, and reflect more. "Keep posted," at bome and abroad, and attend closely to your own busiuess. Take an inventory onee a year. Count up all the
tools, and fix values upou every tliug. Keep. out of debt, and beware of paying interes money. The difference hetween paying six per cent. aud recciving it, is twelve per cent.; and there is no known method of farming tbat tion aud experienee arc wbat the farmer wants; and these, with care and prudence, will be the stepping-stones to suecess. The culture of the
man in farming, is often lost sight of by looking at grosser and uore material objeets ; but it is of vital importance to high attainment. Cultivate the mind and the soil together, if you ean; but by all means do the former. So shall our agrieullure be improved, elevated and suade to pay.
A carefol examination of all the labor saving agrieultual machines, establisbes the faet that the days of hard, life-destroying lahor on the farm are about being uumbered, and that in rural life there are to be greater oppor tunities for leisure, for intellectual improve ment and practical progress.

AGRICULTURAL COMMTSSIONER'S REPORT.
Tue following statistics are from this reporn iu relatiou to erops cast of the Rocky MounArkansas :
The wheat erop of 1863 in the twenty-two States reported was very larre ; in 1864 the esstimate was, in round numbers, $13,000,000$ hushels less, or $160,000,000$; in 1865 , $148,000,-$ 000 ; aud the present estimate is still further reduced to $143,000,000$. Returns from the
cleven Southern States, so far as received, wareleven Southern States, so far as received, warraut an estimate of $170,000,000$ for that sec
ion. Texas has produced a large crop, the other Southern States less than hall the average product. The erop of the Paeifie States is very heary, leaving a far greater surplus for export than tbe entire amount of the crop of 1860. From all the data received in the de1866 may he estimated at $180,000,000$ buslh
The crop of 1859 was $173,000,000$, and that of the present year, at the ratio of inerease rom 1850 to 1860 , shoull have reached 242 , 000,000 . The supply is about tive busleles to calh i
1859.
The corn crop is unoderat cly large in quantity but defieient in quality, and may he estimaed at $s 80,00 t, 000$ hushels, ahout $t 0,000,000$ an excessive produet but for the retarding inlluence of cool and rainy weather, and the consequent damage ly frosts. In some Sonthcru States the injury from early frosts was se vere. While thece will be a suffieiency of food or man, the supplies for the domestie anmal wiin be unusnally almudant. The hay crop, others, aud of more than average quality; and the estimated total produet of outs is sixty pex cent. greater than in 1859 . The products o oots are also in excess of former years.
Of the cotton crop the Commissioner says
The cotton crop las suffered from labor de scets, aud the pretious neglected condition of the lands. Before the picking commeneed the indications, from ollicial data, pointed to somewhat more than one-third of the crop of 859. Rarages of insects and other cause ave since rendered probable a reduction to , 750,000 bales of 400 pounds each
Furm stock, as estimated in the eleven lat Confederate States, for 1866, as compared with 8co, gave the following results:
Or horses, 68 per cent; mules, 70 per cent cattle, 65 per cent ; slieep, 80 per cent; hogs a per eent; showing a deerease, consequent on the war', of $32,30,35,20$ and 44 per cent espectiyely. The total number of these do mestieated animals of the eleven Stutes as
bove, is reported as follows: Horses, 1,183 ,
 4,009,736; hogs, , ,822,240.
In the Western States the numbers are gircn s follows: Horses, 3,899,019; mules, 250, 141 ; eattle, $12,674,968$; sheep, $32,695,797$;
hogs, $13,616,876$. By the same report, the increase in average of crops is shown from ISG 1o 1865 to be $2,471,000$ acres, witb an inerease in cereals and potatoes of $228,501,280$ bushels, and a decrease in the total value of these pro duets, of \$359,301, 55 -a nominal decrease,
supposel, referenec to tbis fact.

## VERMONT AGRICULIURAL SOCIETY.

Tue anuual uneeting of this Soeiety was held at Rutland ou the 2 d inst., when the foryear ensuing, viz: President-Joln Gregory f Northfield. Viec-Presidents-Henry Keye of Newbury, Henry G. Root of Bennington Henry S. Moss of Shelhurne, Vietor Wright 0 Middlebury. Treasurer-Jos. W. Collurn of and Member of the National Wool Groiz ers' Association-Edwiu Hammond of Middle bury.
It was voted to change the name of the So ciety, in aceordanee with the aet of the Legislature, to that of the "Vermont State Agrien tural Society and Wool Growers' Association

Resolutions were passed asking Congress for his, and a memorial on the subjeet of the ta ff, in aflecting agrieniture, was adopted.
The address at the next annual mecting will, by invilation, be delivered ly Joseph W. Col burn, the retiring President of the Society.

## Starla ${ }^{2}$ aising.

## FarII STOCK REPORT.

Fr:on a late number of the monthly Report of the Commissioner of Agriculture it appear ry than in 1860 , in proportion to the popula tion, and prices are much ligher, and probabl fill remain so for some years, on aceount the searcity throughout the conntry, particudennard for our salted meats and the product of the duiry. There is no exception to this but in relation to sheep. They have inereased
from $28,6+7,269$ head in . Junary, $86{ }^{2}$, to 32 , 695, 797 , in Fehruary, 1866, and are cheaper now than they have been for years past. Tha
inerease has been in the loyal States.
The statistical tables as to farm stoek point for it must take for some years to corue. The great scarcity of all stock used in the South, profitable prices for a long time. No farmer an misteke his interest in giving increased at teation to the improved hreedint of horses, lood intreduced will add 25 per cent. a leas o their market ralue. The practice of killing cifer ealces should be abandoned; " must be," says the commissioner, ii we expect to meet
he demand whieh Great Britain and our home market make for butter and cheese. The total alue of farm stock in Felpruary, 186G, was
these figures show that greater atten-
ion to the improvement of our breeds of eat e and other stock is a matter of vast moment ideration of farmers.

PROFITS of VERHONT SEEEP HUSBANDRY.
A correspondeat of the Springfield Union, writing from Cornwall, Yt., says:
Henry F. Dean has a 300 aere farm, and 140 panish merino sheep, valued at $\$ 40,000$.Hoek is 125 , valued at $\$ 40,000$. F. H. Dean. 50 aeres; 150 breeding eves, valued at $\$ 500$ cach, $\$ 75,000!$ Do n't doubt it, for he has \$000 last year for a four years old buek wbieh las since earned him \$4000. California gold unines ean't compare with that. Merril Brighan, 400 aeres; Hock, 300 thoroughreeds, valued at $\$ 51,000$. Simon S. Roek well has a lloek of 300 , valued at $\$ 30,000$ in he last four years. Joel Randall 500 aeres, and 2.50 "the best of blooded sbeep," value eently for $\$ 3000$. These men think it most profitable to stick to Vermont themselves, and Soutb, Soutb, to California, and to every other coun-
try that can raise gold enough to pay for the sheep. These are the wise men of Cornwall.

## winterifg coits.

A swue shed or stable is best for wiutering colts, provided they be halter-broke, which lhey should be before wiuter sets in. They will eat all sorts of coarse food, but shonld
have a little grain or meal, aceording to their size and age. They should, if convenient, run out a part of the day. They love to forare on a cattle dung-heup, and piek ont the wast litter. Let them have all they want of it, as it is a heallhy rariety for them. A dry pasture, wheu snow is off the ground, is a good elange for them also. We have wintered many colts in our farming, and fonnd that nothing got
through the season easier thau they. Their


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Shigular facts in the formation of
the chick in the gaci. Soapcris has the hen sal upon the egrss
twelve hours before some linaments of the head :und hody of the chick are discernible in
the enibryo; at the end of forty-eiglat hours
 pulsation of which is evident, one of them begreat antery ; soon afticr, one of the auricles of
the heart is perceptible, in which pulsation
mayy be remanked os well hay early as the sesenth hour, the wings may ve clistinguished, and, on the head, two globothers, for the front and back part of the head. Toward the end of the fourth day, the two
aurieles are ciistinctly risible, and approach nearer the heart than they did before ; alout
ne fifth day, the liver may be perceived; at the end of one hundred and forty-cight houre, the lungs and stomach become visible, and, in the upper jaw. On the serenth day, the brain hegins to assume a more consistent form; and in one hundred aud ninety bours after inculation the beak opens, and flesh appearrs on the
hreast. In tiwo hundred aud ten hours, the rils, begin to for:n, and the gall bladder is visibie. In a few hours more the bill is of a green eolor, and if remored from its corering is seen
to move. The fealhers begin to shoot about the two hundred and fortieth hour, and, at the same time, the liead becomes eartilaginous; in two hundred aud eigbty-cight llours the ribs are perfected; and at the three hundred and thirty-first hour the lung, stomaelh, aud heart assume their natural appearance. On the
eighteenth day of ineubation, a faint pulking is heard. It then increases in size aud strength
till it cinerges from its prisou. By so many gradations docs the wisdom of God condnet
these creatures into life. Alt of their progressive erolutions are arranged in this perfect order. If the liver is formed on the fifth day, i is from the preceding state of the chiel. No without some injury to the enibryo, each of its members appearing at the most convenient moment. How aduirable is that principle of
life, tiee source of a uew beins eontained in an egy, all parts of tbe amimal being iurisible until they become developed ly warmth.
Another remarkale faet is that the chick, mhen it breaks from the shell, is heavicr than the egry was at first, and that all of these forms of blood, feathers, and muscle, are seen-
ingly one liquid bodr, until heated to a proper temperature and to a certain time, to make their orgauism perfect. So muelh for micros-
eopie incestigations of the curious. Mueb eopie investigations ofritic curious. Ne formation of animal bodies, which at present is impenetramake good use of the knowledge we are permitted to aequire, and by this we shall discorthe benefit of ourselves and our fcllow-men.

Food for Chiefexs.-After crumbs of bread and egrs, feed oat-meal or barley-ncal, slightly
moistened with new milk or watcr, and eurd chopped small, for some days.

Poultry Hotses should be keptelcan, and shes and lime sprinkled over the floor every week. Let the manure be put away in a dry
place, and preserred for use on the crops.


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for they were baked in a brick oven, snch as city people rarely see or dream of. Peep iuto
Ihe pantry or cunboard, aud see that loug row ithe pantry or cuploard, aul see that loug row fluid, that has never been baptized at the pump, or sprinkled, at the well. There, too, are baskets of eggs, sides of bacou, sundry staft's army, although each offieer were an epieure aud all the privates glutions-"savage and bearded like the pard." If we go down cellar, we find it a store-house of fruits and regetables; an under-ground cornucopia, overflowing with plenty. There are barrels of apples aud cider, kegs of butter and lard, bins of potatocs, carrots and beets, and a regiment of ealhbages in clouble platoons around the eutio
eellar. We must now visit the barn, and inspeet the cat1e, horses aud sheep; also the stock of fragraut hay in the deep mows, that made the men sweat (and may be swear) when they pitclect it over the great beaus last Summer. There are the swallow's nests plastered ul against the rafters, but uo birds darting in and out over the great doulle doors, as we saw
theun six months ago. But a fuucr sight is here now. See that row of uohle, stately catle, feediug from the raeks, their graceful white lorns tossing up aud down like gnomes in a fairy dauce. This is a seene we remeuber from early boyhood, and one that we can look upon and never grow tired or weary. What honest faces have those dnmb animals ! and how unsophisticated aud yet iutelligeut aud compauionable do they appear, as they bauquet on the sweetest and uost fragrant red-to and clover that the old farm afforls.

By the way, this catule-secne reminds us of tableau at Maratfield, held a few days previous to the death of that great mau, Dayiel WebSTER. The foremost man of his age aud counlity had goue home to die. The noblest orator, the greatest statesman, the largest intelleet was about leaving this world, and bidding adieu to all that was dear to him. On his farm he kept a nolle herd of eatle, many of them iuported from Europe, and for which he hat great pride aud atlachment. On a calm, sunny afternoon, but a few days hefore his death, he requested that these fine catle might be hiven up to the house, aud then, propped up in his hed, the great man gazed from the win-
dow upou them for the last tiume. There was dow upou them for the last tiule. There was that dying wish of Webster; and he prohably derived more sympathy aud pleasure from a last look" at his domestic animals, than litical associates
Farm life in Winter has many pleasing and genial attractions; yet more in Spring, when, as Thompsou says-


The old orchards agaiu put forth their rose and pink blossoms, jnst as they have done for forty or fifty years before. The blne-bird and rohin build their nests in the pendant branch-music-hox-in fact, every old tree in the orchard is an orehestra, and the atmosphere rods around is loaded with fragrance. the farmer takes hold of the plow and "looks ot haek " motil the mellow glebe is turned ul o the warm sun-light, and the seeds arc sown
(Reader, we are now three months ahead of planting time, and shall write no more in this vein uutil Spring actually arrives!)

Netv Jersey Agrioultural College.-We learn that this institution is progressing favorably. The State exhibited wislom in puting the College fund iuto practieal nse at once, instead of expending it in a large aud costly building. A gentleman who visited this instiution recently, informs us that it is in good lands, aud that its futnre is full of promise. Its location is at

## CONNECTICJT.

state agmouldurat, goohety and the bTate board of agmediture.
The annual meeting of the Conneeticut $\Lambda$ gricultural Socicty was held at New IIaven, on the $91 h$ inst., Hon. E. II. Myde, of Stafford, in the chair. The Treasurer's report exhibited only $\$ 11.90$ in the Treasury, with no available asets. The Exceutive Committee made a re port, giving the history of the Society siuce it origiu, in 18.5 , and submitting the questiou "Shall the organization be continued, or shall f Agriculture?" 4 diseussion followed, and was finally unanimonsly agreed to maintain he State Soeiety, and to elect oflieers for the Agricnltural Society should eontinue in exist euce, because of the prohability that the New England Agricultural Society wonld lold its
Fair for 1867 in Connecticut. The Executive Committee were ordered to nake the proper arrangements for such Faiu, and several gentlemen pledged theuselves to courribute a guar antee fund for that purpose. As a worl or cuconragemeut to keep alive the Society, it Society, in Vermout, last Antumu, Conucetieut look twiee as many premiums as any other State.
The following board of ofticers was theu
Presideut-Ephraim 1I. Hyde, of Tolland. Vice Presidents-Rohhins Battell, of N Correspouding Seeretary-T. S. Gold, Coruwall.
Findsor Lod Secretary-Bnrdett Loomis,
Treasurer-F. A. Brown, of Hartforl.
Couuty Directors Couuty Directors. - New Haren County, Dr. il. Poud ; New London Couuty, Jaules A. Bill; Fairfield ; Conutr, Charles Hough; Wiudham County, Benj. F. Sunner : Litehfield Couuty George C. Hitcheoks; Hiddlesex County, P. II. Augur: Tollaud Conuty, S. F. We
Chemisi-Prof. S. W. Johnsou, College.
The Presidents of the sercral County Soeie-
ies, and one Director appointed hy each CounSociety, are also officers of the State So
state boald of agrieltuture.
This organization, which was created hy the Legislature iu May, 1866, held its first mecting iu dugust last, aud its second meeting ou the 8 tb ustant, at New Haren. The President (cxfificio a member) is the Goveruor of the State; he Viee President is Mon. E. H. Hyde, o Stafford; aud the Secretary is T. S. Gold, of Cornwall. The members appoiuted by the Governor, and confirmed by the Seuate, w
Hon. Mr. Hyde, Howard Collius, Esq., Canton, Prof. S. W. Jolinson, of New Haven and Mr. Gildersleere, of Portlaud. Lach county society, or society receiving State aid, last August, a tabular list of questious was or lered to he sent to each society, that the char acter and value of its Fall Exhihitions or Fairs might be accurately kuown. Ancl, 10 visit ounty other than that which held the Fgir
The Hartford Press, from which we make p this report, says that at the meeting on the 8th iust. the visitors to the Couuty Fairs made their report. In five of the counties snceess--en county was practically a failnre. In Tollancl it was but partially successful. The Hartforl county Fair was reported excelleut in all its depart ments, It mas noticed in Tolland county that the show of potatoes was excellent, and they save the tobacco raised in small sectious in the western towns. The manufactnring population furnishes a ready houne market for ncarly all olher productions. The Wiudham county Fair was excelleut in fruits, regetables, hutter cheese, and cattle. Wincham county raises for the Provideuce or Hartford markels a surplus of hutter, cheese, pork aud hay; and in hotb as to quautity and quality that was scarcely expected. The manufacturers contrihuted very little to the cxhibition. The New London
cattle of various breeds were excellent, and were shown in great numbers. The eastern
portion of this county exports something to the portion of this county exports something to the
Rhode Island markets, but imports much more largely from New York and elsewhere, 10 feed
its people. The excellence of Litchfield county in butter, cheese and cattle, is well knowu. At
the Fair were 741 head of stoek of all descriptions, of which over 300 were working oxen.
The Fairfich county Fair gave a gool exhibition of the resourecs of the connty: Horses for farm work are coming more into use there
than in most other sections, and wre duly The
ions.

The Board held afternoon and evening seseut does not raise enough on her own soil ation. Prof. Brewer gave a lectnre upon uscfulness in the east, and an instructive interthe effect of flooling and irrigation. In the tremely interestiug aud instructive lecture npon "Receut iurestigations coucerning the
source and supply of nitrogen to crops."-
IIe showed that nifrosen is absolutely indispeusable to the growth of plants; that the phere; that the recognized oneat from, the atmosmonia is due to its eighty-two per cent. of ninot so wers sometimes as the applica tion of fertilizers ealenlated to develop the ni rogen alrearly in the soil.
On the secoud tay, 9 th inst., an instructive
the Scicutific School. Mr. Gotd in the hall interesting letter from John Joluston of GeneAt the crening session Prof. Brewer lectured
At tramag upon "Diseases of plants eaused hy fungi."-
He said that plauts, like auimals, were attacked with diseases, and often as incurably. That farmers were ohservant men iu agricultural to a scieuce. He then spoke of the formation nurture the differeut growths of fungi, mashooms, toadstools, puffe balls, which lived on pon dead matter, but confining hiuself to plants, especially wheat, com ant oats. Ile id that the season or soil had nothing to do with the growth of fnngi further than its ten-
leney to spread the discase. That differnt kuds of fungus matter extended throngh field of wheat in from teu to twelre days ; that Russia, that which lived upou decaycd uat-
er grew sometiunes two feet high iu a single ter gr
night.

THE CRANBERRY CULTURE IN HEW JERSEY. Hortieultural Society, William Parry read a paper coutaining some iutcresting faets re peeting the culture of the eranherry tu ser lollars invested in the eulture ot crauberies in he connty of Ocean; and iu Monmouth and Burlington counties, the eulture is still more ielded at the rate of 220 bushels per acre, which, at the price last fall, would amount to 1,250 . W. R. Braddoek of Medford, has
bout 100 aeres, 1 wenty of which yielded last year an average of 100 bushels per acre,
amountiug to $\$ 3$ per bushel, clear of all exug. T. and $\Lambda$. Bndd purehased a tract of eclar swaun, five years since, at $\$ 10$ per aere, per acre. Last year 28 acres of it yiclded $1,-$ 00 hushels of fruit, or 67 bushels per acre rsw The Twenty-first Annual Meeting of the Burlington County, N. J.. Agricultural Society, annary. This is one of the most prosperon and influential Agricultural Societies in New erser.
RATELING AGESTS FOR TIIE FIRM AND FIRESIDE. Gorge A. Smith, B. 1. Taft Kobert Mes
res, Daxiel J. Bolster, O. A. Fairbanke

## Finesinde Irales.

## "SENT BY EXPRESS."

Marian Harlax was alone in the worldher mother just huried.
She was a beautiful brown haired girl, with soft, shy eyes of a violet gray, and rosy lips compressed to a firmmess far beyond her years. For after all she was seareely seventeen, and
so Deaeon Gray was telling her, as he sat by the fire spreadiug his huge hauds over the tardy blaze and asked:
"But what are you going to do to 'arn your breal and butter, elild?"
'I don't know-I haveu't thought-mamma had an uncic in New York who
'Yes, yes-I've heern tell about hiu-he was mad 'cause your mother did not marry just to suit him, wasn't he ?'
Marian was silent. Deaeon Gray waited a few minutes, hoping she would admit hiu into her secret meditations; but she did not, and "that Harlan girl was the very queerest creature he had ever come aeross."
In the uenonwhile Marian was paeking her few seanty thiugs into a little carpet bag, by the weirl, fliekering liglut of the dying wood fire.
"I will go to New York," she said to herself, scetting her small, pearly teeth firuly to gether:

My mother's meele shall hear her eause pleaded through my own lips. Oil, I wish my heart would not throb so wildly ! I am no
longer meek Minuie Harlan; I am an orphan all alone in the world, who uust fight life's battle with her own single hands?
Lower Broadway at seven o'clock, P. M. What a babel of erashing wheels, hurrying humanity and eonglomerate noise it was! Miunic Harlau sat in the corner of an express offiee, under the thare of gas lights, surrounded by boxes, and woudering whether the people ever went erazed in this perpetual din and tumult. Her dress was plain gray poplin, with a slabby, old-fashioned little straw bonnet tied with black ribbous, and a blue veil, while her articles of baggage, in the earpet-bag, lay in her lap. She had
tired
"Poor litte thiug," thought the dark-haired youngest clerls nearest her, who iuhabited a sort of wire eage under a circlet of gaslights. And then he took up his pen and plunged iuto a perfect Atlantic ocean of aecounts.
"Mr. Evaus?"
The dark haired clerk emerged from his cage with his pen behind his ear in obedience to the beekoning finger of his superior.
"I have notieed that young woman sitting here for some time-how eame she here?
"Expressed ou, sir, from Millington, Iowaarrived this afternoon." As though Miunic Harlan were a box or pareel.
"Consigned to Walter Harrington, Esq.
And why hasn't she been ealled for?
"I sent up to Mr. Harrington's address to notify him soune time ago ; I expeet an auswer every moment."
"Very odd," said the grey-haired gentleman, taking up his newspaper.
"Yes sir, rather."
Some three-quarters of an hour afterwarls Frank Erans eame to the pale girl's side with an indeseribable pity in his lazel eyes. "Miss Harlan, we have sent to Mr. Harring ton's residence-
Minnie looked up with a feverish red upon her cheek, and her hands clasped tightly on the liandle of the faded carpet bag.
"-And we regret to inform you that he
sailed for Enrope at sailed for Europe at twelve o'clock this day."
A sudden blur came over Minuie's eyes-she trembled like a leaf. In all her calculations, she had made no allowance for an exigency like this.

Can we do anything firther for you? questioned the young clerk, politely.
"Nothing-no onc can do anything now."
Frank Evans had becn turning away, but somcthing in the piteous tones of her voice ap
"Shall I send you to any other of your ends?"
I have no frieuds!"
Perlaps I can lave your things sent to me quiet family hotel!
Sinnie opeued the little leather purse and showed him two ten eent pieees, with a smile hat was almost a tear.

This is all the money I have in the world,
sir!"
yo young, so beautiful, and so desolate Frank Evaus had been a New Yorker all his life, but he had uever met with an exact par allel ease to this. He bit the eud of his peu in dire perplexity.

But what are you going to do?"
"I don't know, sir. Isn't there a work-louse or some sueh a plaee, I could go to, until I ould fiud something to do?

Hardly." Frank Evaus could seareely help aughing at poor Minnie's simplicity.
"They are puttiug out the lights, and pre paring to close the offiee," said Miunie, startiug her feet. "I must go somewhere.

Miss Harlan," said Frank, quietly, "my home is a very poor one-I am only a five hun dred dollar clerk-but I am sure my mothe will reeeive y.on under her roof for a day or two, fou ean trust me."
"Trust you?" Minnie looked at him through violet eyes obseured in tears. "Oh, sir, I should be so thankful!'
"How late you are Frank! Here, give me your
But Frenk interrupted lis bustling chery clecked mother, as she stood on tip-toe to take off his outer wrappings.
"Husl, mother! there is a young lady down stairs.'

## A young lady, Frank?"

Yes, mother; expressed on froun Iowa to old Harringtou, the rieh merelant. He sailed for Europe this norniug, and she is entirely alone. Mother, she looks like poor Blauche and I know yon wouldn't refuse her a corne here until she could find something to do.
Mrs. Evans went to the door and ealled heerily out:
"Come up stairs, my dear-youir weleome as Howers iu May! Frank, you did quite

## right ; yon always do."

The days and weeks passed on, and still Minie Harlan rewained au inmate of Mrs. Evans's humble dwelling. "It seems as though she had taken our dead Blanehe's plaee," said the cosey little widow ; and sle is so nseful about the house. I dou't know how I managed wilhout her.

Now Minnie, yon are not in earnest about leaving ns to-morrow?

I must, dear Mrs. Evans. Only think-I have been here two months to-morrow; and the situation as governess is rery advantage "Very well, I shall tell Frank how very obuate you are."
Dearest Mrs. Evans, please don't! Please keep my seeret.

What seeret is it that is to be so religiously "ept?" asked Mr. Frank Evans, coolly walking int the midst of the disenssiou, with his clark
hair tossed about by the wind, and his hazel brown eyes sparkling arelly
"Seeret!" repeated Mrs. Evans, energetieally wiping her dim spectaele glasses. "Why, Minuie is determined to leave us to-morrow." "Minnie
"I must, Frank, I have no right further to trespass on your kindness.

Not right, ell? Minnie, do yon know that the honse has becn a different house since you came into it? Do you suppose we want to lose our little sunbeam?
Minnie smiled sadly, but her hand felt very cold aud passive in Frank's warm grasp.
"You'll stay, Minnic?"
No."' She shook her head deternimedly. Frank. "I've missed something of great valuc lately, and I hercby arrest you on suspicion of the theft !"
"Missed something!" Minnie arose, and turned red and whitc." "Oh, Frank, you never can suspect me!"
"But I do suspect you. In fact I ann quite
Cut article is in your posscssion."

The article!"
My leart, Miss Minuie: Now look here; I love you, Minnie Harlan, and I will be a good and true husband to you, Stay, be my little wife !"
So Minnie Harlan, instead of going out as governess, aceording to the programue, mar-
ried the dark-laired elerk in 'Elison's Express Office.
They were quietly married, early in the morniug, and Frank took Miunie home to his mother, and then went ealmly about his busincss in the wire cage, under the circlet of gaslight.

## "Evans!"

Frank, with his pen behind his ear as of yore, quietly obeyed the behest of the grayheaded official.
"Do yon remember the young woman who was expressed on from Millington, Iowa, two "Yonths siuce?
"Yes, sir-I remember her."
A tall, silver haired gentleman here inter posed with eager quiekness
"Where is she? I am her unele, Walte Harrington. I have just returned from Paris, where the news of her arrival reached me! want her; she is the ouly living relative left "e " "
"Can't have her? what do yon mean? "Has anything happened?
"Yes, sir, something has happened: Miss Harlan was married to me this morning. Walter Harringtou started.
"Take me to her," he said, hoarsely. "I can't be parted trom my only relative for such mere whim.

I wonder if he ealls the marriage service and wedding rings mere whims," thought hoonest Frank; but he obeyed iu silence.
"Minuie," said the old man, in faltering aeents, "you will come to me and be the daughter of my old age? I am rielh, Minnie, and you are all I have in the wide world."
But Minnie stole her hand through her husband's arm.
"Dearest uncle, he was kind to me when I was most desolate and alone. I cannot leare my husband, Uncle Walter-I love him!
"Then you must both of you come and be my childreu," said the old mau, doggedly."And you must come now, for the great house is as lonely as a tomb.
Frank Evans is no longer an express elerk, and pretty Minnie moves in velvet and diamonds ; but they are quite as happy as they were in the old days, and that is saying enough. Unele Walter Harriugton grows older and feebler every day, and his two children are the sunsinine of his decilining life.

## 

## ARCTIC EXPLORATIONS

We present our readers with a few extracts frow Dr. Hays's fortheoming work, entitled "The Open Polar Sea," now in press by Messus Iurd \& Houghton:
bird-cateming in greenland.
While I was watching these moreurents with mueh interest, my companion was intent only he biusiness, and warned me to lie lower, as overhead. Haviug at leugth got myself stowed away to the satisfaction of my savage companion, the sport began. The birds were beginning again to whirl their flight closer to our heads-so close, indeed, did they come that it seemed as if I could catch them with my cap. Presently, I observed my companion preparing himself as a floek of unusual thickness was approacling; and, in a moment, up went tlic net; a half dozen birds flew baug into it, and, stunned with the blow, they could not flutter out bctore Kalutumalh had slipped the staff quickly through his hands and seized the net; the birds, while with the right he drew them out one hy one; and, for want of a third haud, he nsed his teeth to crush their heads. The wings werc then looked across cach other to
air of triumpl the old fellow looked around me, spat the blood and feathers from his mouth, and went on with the sport, tossing up his net and lauling it in with mueh rapidity until he had cauglt about a hundred birds; when, my curiosity being satisfied, we returued to camp aud inade a hearty meal out of the gause which we had bagged in this novel and unsportsuanlike manner. While an immense stew was prepariug, Kalutunal amused himself with tearing off the birds' skins and consumiug the raw flesh while it was yet warm
briplianoy of tie arctio summer.
The sun reaching its greatest northern declination on the 21 st, we were now in the full blaze of Summer. Six eventful months had passed over siuee the Arctic mid-night shroudAretic midday, and now we had reaehed the Aretic mil-day. And this mid-day was a day had gone up higher than at any previous time, marking, at meridian, $49^{\circ}$, while in the sun

A more calm
and lovely air never softened the Aretic landseape.
Tempted by the day, I strolled down into he valley south of the harbor: The recent snow had mostly disappeared, and valley and hill-side were speekled with a rich earpet of green, with ouly here and there a patel of the winter snow yet nudissolved-an emerald carpet, fringed and iulaid with silver and sprinkled over with fragments of a bouquet-for many lowers were now in full bloom, and their tiny faces peeped above the sol. A herd of reindeer were hrowsing on the plain beneath me, and some white rabbits had eome from their hiding-places to feed upon the bursting willow-buds. New objects of interest led me on from spot to spot-babbling brooks, and rocky hill-sides, and little glaciers, and softening snow-banks, alternating with patehes of teuder green.
A marvelous change had come over the face of Nature since the shadow of the night had passed away. Recalling the gloom aud silence of the Aretic uight,-the death-like quiet which reigned in the endless darkness-the absence of every living thing that could relieve he solitude of its terrors-it was not possible o see, without surprise, the same landseape covered with an endless blaze of light, the air and sea and earth teaming with life, the desert places sparkliug with green, aud brightening with flowers,-the mind finding everywhere some new object of pleasure, where beforc there was but gloou. The change of the Areie Winter to the Arctic Summer is indeed the change from death to life ; and the Voice which speaks to the sun and the winds, and brings back the joyous day, is that same Voice which said:
and the pulseless heart was made to throb again, and the bloom returned to the pallid cheek.

While bounding along, logging 10 knots an lour, we almost run over an immense polar bear, which was swimmiug in the open water, making a fieree battle with the seas, and seemngly desirous of boarding us. He was evileutly much exhausted, and seeing the ressel approaeh, doubtless had made at her iu seareh of safety. The unhappy beast had probably allowed himself to be drifted off on an iceraft whieh had gone to pieces under him in the heavy seas. Although these polar bears are fine swimmers, I much fear that the waves would in the end prove too mueh for this poor fellow, as there was not a speck of iee in sight on whieh he could find shelter. As we passed he touched the sehooner's side, and Jensen, who seized a rifle, was iu the aet of putting an The beast was making such a brave fight for his life that I would not sce him shot, more cspecially as the waves were running too high to ower a boat fir his carcass, without a risk which the circumstances did not warrant.

Britisf Exports.-The exports of British manufactures to the United States this ycar arc double what they were last year. For cight months of 1865, twenty-one principal articles came to $\$ 40,000,000$; this year they amount to
$\$ 80,000,000$.

Deep vs, Shallow Mile Pans. -Mr. M. A. Richardson, of Sherman, N. Y., says:- "Whether more cream can be obtained from deep or shallown pans, is an casy matter to settle, without even an cxperiment. It takes time for cream to rise; thercfore, it will rise in a shallow pan soouer than in a thiekeued milk and the skimmer won't fud it. But in cooler weather, when milk will remain thin long cnough for the cream to rise, deep pans are preferred by some. Even then, swceter butter can be made from shallow pans."

## annual meeting.

Tue anmual meeting of the Rhode Island Soeiety for the Eucouragement of Domestic Industry was held on Wednesday morning, 16th inst., at its hall in Providence, the first VieePresident, Henry W. Lothrop, Esq., iu the elair.
The Standing Conmittee presented their annual report, which was read and aecepted.
The Treasurer presented an abstract of his accounts for the year, which was read and aceepted. The reecipts were $\$ 1,58759$, and the expenses $\$ 1,97766$
The Secretary presented his necrological report for the year, whieh was aecepted, and he was authorized, by consent of the Standing Committee, to add to his report biographieal sketches of members deceased, which he had not eompleted. The names of the members deceased during the past year are: Charles II. Childs, Thomas J. Stead, Daniel Paine, Isaac Thurber, Byron Sprague, Edward F. Miller, Peter Chureh, Esek W. Dexter, Geo. M. Richmond, Mrartin Stoddard and Wilkius Updike. It was voted that the thanks of the Society be tenclered to the proprietors of the Provialcnee Daily Journal, Daily Post, Erening Press, and the California Farmer for their papers furnished to the Society the last year.
The following resolutions, submitted by Hon. Elisha Dyer, were passed:

Whercus, Samuel S. Foss, Esq., publisher of the Woonsocket Patriot, has issued the first eultural and Domestic pursuits, and of a highly ereditable charaeter in its literary and typographical departments; it is therefore
Resolverd, That this Soeicty greet with muel, pleasure "Tie Fapin and Fireside" in its introduction to the agricultural community, and the social life of the hearthstone, eongratulating its enterprising publisher and proprictor on the very hattring auspiee
his publication has been issued.

Resolced, That this Society iu its recognition of, and sympathy for, this first Rhode Island
effort exclusively devoted to the promotion of effort exclusively devoted to the promotion of
the interests of agrienlture, by the means ot the Press, tender to Mr. Foss its assistance as far as may be done, by adopting his publieation as the means of disseminating sueh facts and information as may from time to time be decmed worthy of attention, and in this recommendation of his journal to the patronage the community at large.

Resolved, That the Seeretary of this Soeicty transmit a copy of these resolutions
publisher of the "Farm and Fireside."
Voted, that the printing of the transaetions of this Society in the year 1866, be referred to the Standiug Committee, to take sueh order about the same as they shall deem expedient. Voted, that a committee of five be appoint ed by the ehair to nominate oflieers of the Society for the year ensuing.

The chair sulsquently appointed Messre O. Brown, W. Viall, A. B. Chadsey, H. Staples, and John Holden as this committee.

The foregoing committec, after eonsultation, asked leave to report at some subsequent day, and proposed an adjourned meeting of the Soeiety on the first Wednesday in Febrnary next, at $10 \frac{1}{2}$ o'eloek a. m .
The subject of lectures and addresses before the Society during the year was referred to a Committee, consisting of Messrs. J. De W. Perry, E. Dyer, A. B. Chadscy and Johu Hol den, to report at the adjourned mectiug.

The Soeiety then adjourned to the first Wednesday in February next, at $10 \frac{1}{2}$ o'elock a. m .

The mecting was more fully attended than have been the annual meetings for many year past.

President Liscoln used to tell this story of himself: IIe was riding one day on the stageeoaeh in Illinois, when the driver asked him to treat. "I never use liquor," was Mr. Lincoln's reply, "and I eannot induce others to do so." "Don't ehew, neither"" "No, sir." "Nor smoke? "No, sil'; I never use tobaeco in Jehn, "I haint muels opinion of you fellers with no small riees; I've allers notieed the make it up in big ones."


RECREATION AND AMUSEMEITS OF FARII
Farmers, as a general thing, labor more with less relasation, than is for their own comfort. Many of them toil early and late, summer and winter, and by a proper arrangement of their work, lave as much to do on a rainy day as any other. As a bow always bent loses its clasticity, so a laborer whose system is always exerted to its ntunost eapacity, will become prematureiy old, and will be worn out with toil when he should be in his prime. If man is dependent for a living on the work of eaeh partieular day, if he is compelled to worls one day to procure food for the next, he must abor more unremittiugly than lie who has enough of property to be eounfortable, and labors more to inerease it than eujoy it.
But what recreation shall the tarmer take? In the summer, when the ficlds require his at tention, little time can be spared for amnsement, although a day's relaxation oecasionally is refreshing. But in the winter, when his crops are gathered, and comparatively but little to clo, he should relax his excrtions, and recruit for the next season's work. A ehauge of employment is oftentimes a relief, and so the farmer will find after a few days' hard work, to take a few tools and make a feceling rough or other uscful or ornamental articles, will relieve the dulness of the season and keep him out of idleness. Let him keep a reeord or and the labor bestowed on them, and study it over in the winter evenings, and arrange it in a form eonvenient for preservation and fiture eference. Let him write his experience to his grieultural paper, and meet and diseuss his riews with his neighbors. A farmer's elub
should be established in every neighborhood, and should have meetings at least weekly during the winter eveuings. Let each one prepare a paper to read at the meeting, on any partieular subject. It will afford both pleasule and profit. Let the relative profits of the dif ferent productions of the farm, the best modes of eulture, fencing, draining, and a dozen other topies be disenssed.
The writer derived mueh satisfaction from attending the mectings of a debating socicty, the past wiuter. Such an one might be established almost crerywhere. It gives those who are maeeustomed to speak in publie a chance to overeome a natural difidenee, and to all an
opportmity to improse oratory. Let plain questions be selected, such as any furmer ean advise something for or against ; and every one conneeted with it do the best he ean, and some benefit will aecrue.
The family of the farmer should also have some provision made for their pleasure. If oceasionally, they will be none the worse for it. Let them risit their neighbors and spend an evening in ehecrful conversation, or a few their neighbors risit theu, and thus by friencly年ineir neighbors risit theu, and thas by friendly
ship throughout the neighborhood. Take a load of young folks to the singing scliool at the neighboring chureh or selool-house; it does one go
The lot of the farmer, if the chooses so to make it, is the most delighltful of all pursuits, while on the other land it may be made the most tircsome, and almost disgusting to the unfortunate agriculturist. By proper use of the faculties with which nature has endowed us, we make ourselves and others comfortable,
and farming a pleasant oceupation, while many a youth has turned his back to the farm to seek his fortune in the erowded eity at the expense of his health and his morals, when he would gladly have stayed at houe, had he had proper relaxation, and home had heen more tinau merely a place to eat and slecp. And how many citizens retire to spend their evening of value of oceasional relaxation from toil, und hence we find those envying the famer's lot, not knowing how often the farmer makes his lot burdensome by unceasing toil.

The Bearer.-At a recent mecting of the Natural History Society of IIalifax, N. S., Col. Hardy, a well known sportsman and naturalist, read a paper on the beaver, whose habits he lad elosely observed. The dams built by bearers, he said, are of eonsiderable strength, and
in some eases broad enough for two persons to pass over abreast, while the houses are not built like those depicted in old natural history books, large bee-hive looking struetures, plastered with mud and rounded off, but mere eolleetious of good sized sticksand branches twined together with roots. A perfect model of one of those houses, resting by the lake side, and serthe animal, aceompanied the paper. The house, constructed of small 1 wigs, roots, \&e., was divisable iuto two parts; the upper on being taken of revealed the curious arraugement within, a good sized hall having a raisc eonch at the back, eomfortahly lined with grass A bleaehed pine stump rose behind the house plate glass with water-lilies resting npon it.

Little Timggs.-The preciousness of little things was never more beautifully expressed tin-boxes of homes are gencrally the most lappy and eosey; little villages are nearer to hing we low shattered paradise than any the most eontent, and little liopes the least disappointment. Jittle words are tlte sweetest to hear; little eharities fly furthest and stay longest on the wind; little lakes are the stillest littlc liearts the fullest, and little farms the best tilled. Little books are the most read, and little songs the most loved. And when nature would make anything especially rare and beautiful, she makes it little-little pearls, little diamonds, little dews. Everybody ealls that little that they lore best on earth. We once heard a good sort of a man speak of his little wife, and we fancied that she must be a perfeet little bijou of a wife. We saw her, and she weighed 210 : we were surprised. But then it was no joke; the man meant it. He could other things beside; and what was she but litother things beside ; and what was she but lit-
the? Multum in Parro-mueh in little-is the great beanty of all we love best, hope for most and rememher the longest.

Tne Seeretary of the Woreester County Hor icultural Soeicty is preaehing a crusade agains whe robins. He thimks they eat more fruit than worus, and are altogether too expensive warb-
lers to be eneonraged. They fitten upon Northern frnits, and then go South to tickle the palates of Southern gourmats.

A segro boy was driving a mule in Jamaiea, when the animal suddenly stopped and refuscd o budge. ". Won't you go, cla?" said the boy.
"Feel grand, do you? I s"pose rou forget our fadder was a jackass.


The Farm fund Fireside.





Tlue wankets.

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## Taetic lefems

## THE FIRESIDE.

| Let otbers seek for empty joys <br> At hall or concert, ront or play; Wbilst, far from Fasblon's idle nolse, Her gilded domes and trappings gay, I whlle the wintry eve away; <br> 'Twist book and lute the hours divide, And marvel bow I e'er could stray From tbee-my own fireside ! <br> My own firesidel Those simple words Can hid the sweetest dreams arise, Awaken feeling's tenderest cbords, And fill with tears of joy mine ejes. Wbat is there my wild beart can prize, That dotb not in thy sphere abide; Hawt of my bome-bred sympathies, My own-my own fireside ? <br> A gentle form is near me now; A small wbite band is clasped in mine; I gaze upon her placid brow, And ask, what joys can equal thine? A babe, whose beauties half divine, In sleep bis motber's eyes doth bide; Where may Love seek a fitter shrine <br> Than thou-my own fireside ? <br> My refuge ever from the storm <br> Of this world's passion, strife and care Though tbunder-clouds tbe skies deform Their fury cannot reacb me tbere: There all is cheerfuh, calm and fair: Wrath, Envy, Malice, Strife or Pride Hatb never made its hated lair <br> By tbee-my own firesidel <br> Sbrine of my bousehold deities! <br> Bright scene of home's unsullied joys: To thee my burdened spirit lies When Fortune frowns, or Care annoys Thine is tbe bliss that never cloys; The smile whose trutb has oft been tri What, tben, are this worid's tiasel toys To thee-my own fireside? <br> Oh, may the yearnings, fond and sweet, That bld my thougbts be all of tbee, Thus ever guide my wandering feet To thy beart-sootbing sanctuary ! Whate'er my future years may be, Let joy or grief my fate betice, |  |
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## The Fixid.

TOBACCO CULTURE.

## Written for the Farm and Fireside,

Tobacco, as a field erop in New England, has grown from a small, recent hegimning, to one of cousiderablc importance at the present day. By the ceusus statistics of 1850 we find
that it that it was grown iu only New Hampshire,
Massaclusetts and Connecticut, of the New England States; and the whole number of pounds produced was only $1,407,920$. In 1860 amount, in 1865, we find by the Report of the Agricultural Department at Washington, still farther increased to $14,039,0 \pm 0$ pounds; and amounting in valne to $\$ 3,769,671$. The num
ber of acres devoted to tbe erop in 1865 was a fraction over 11,000 . As the census returns fail to give cither the number of acres grown, or the gross amount in value of the crop for either of the preceling years, I am unable to approximate the samc. But that the mmoner of acres grown was very much less, is evident and the price per pound was also only a frac tional part of what it was for 1865. In Connecticut, if my memory serves me, the price in 1850 for the best lots was only six or seven
cents per pound; while in 186.5 it averaged cents per pound; while in 186.5 it averaged
thirty cents per pound, and many lots that I know of sold for thiuty-five and forty cents per pound. This advance, in part, was owiug to superior culture and greater experience in both preparing and marketing the crop; and in part to diminished production in the Sonthern to-bacco-producing States. Wbile the general
average production per acre in 1865 ranged average production per acre in 1865 ranged
from 750 to 1350 pounds, experienced, successful growers in the Connecticut Valley averaged 2000 pounds; and some that I might name raised from 2500 to 2700 pounds to the acre. But few farmers in Connecticut devote more than four to six acres to this crop, and a great many do not exceed one acre. In Massachusetts there are a few large growers, growing twenty to twenty-five acres, and averaging 2000 pounds to the acre, as I am credibly informed; hut it is only done by high culture.Many will grow that amount, or even more, to the acre, while their next neighbor, with similar soil, will only obtain 1200 to 1600 pounds
per acre. Yon ask why this difference? I answer, it is all owing to superior culture, su-
perior manuring, etc. Tobacco will not be a successful crop witbout these last esseutials.
Perbaps the reader will inquire the expense of growing an acre of tohaeco. I will give tbe amount of labor in cultivating and prepar tbe amount of labor in cultivating and prepar-
iug an acre of tobacco-as it slould be-on turf, in the year 1864. I reduce the labor to days' work. Number of days, $53 \frac{1}{2}$; plowing with yoke of oxen and pair of horses, two days; hauling manure two days, ox team; larrowing in uazurc and fitting witb two horse team, two days; 10 cords ( 128 feet to the cord) manurc ; guano and plaster to put in
hill, $\$ 7,50 ;$ gooo tobaeco plants ; 7 pounds of hill, $\$ 7,50 ; 6000$ tobaeco plants; 7 pounds of
twine to hang tobacco with; six cases for casing the crop. It must here be borne in mind that sward land requires a much larger amount of labor to fit it for scting, than old land; and that, in this case, the whole of the plants were watered out in a dry time, which a moist time. Tbe product was 2183 pounds of fine wrappers, and 206 pounds of fillers, amounting in ralue at that time to a little ove \$1100. Had the same amount been laid out
on old land, equally good, the product would have bcen several huudred weight greater.
The foregoing is the actual product of an cre, most part of whicb was turf, broken up about eight inches deep, carly in May, and had been in grass and mowed, some teu or twelve years; soil, a good sandy loam. The snccess of growing a good crop of tobacco depeuds much upon having a supply of good strong plants and planting tbem out early. The with good exposure to the sun. The soil should be deep, friable, and mellow; not liable to drouth, or retentive of water. The bed sbould be prepared by digging in a good heary free of weed-seed, as early in the spring as the free of weed-seed, as early in the spling as the
ground will admit of being well worked.Make the surface very fine with the garden rake, smooth and even. Sow the sped hroad cast, first mixed with sand, at the rate of one table-spoonful of seed to the square rod of
bed, roll or tread it in smooth and compact cover with brush, to he removed when the bed is wed and fear of frosts are over. Keep clean of weeds. Tbe best soin for tobacco is moderately light sandy loam, deep and rich.-
Tbe crop will flourisb in none except a rich soil, witb plenty of manure to feed on. The manure should be hauled on and plowed under five or sis inches deep, in the month of April, be well fined when spread. Any good stable mamme is good, but horse, well worked np, is hest. The latter part of May the ground should he plowed again, this time two inche leeper than before, and lie a few days', whe it should be well harrowed and fitted for set ting the plants. Mark your rows three fee eight incles apart, with a suitable marker.Cultivator teeth, set in a frame, to be drawn with a horse, will answer. Into these drills trew guano and plaster, mixed, at the rate of 150 lbs . of guano to 250 mbs . of plaster, an cover with a "Shares Planter." This leaves
light ridge, smooth on top; on this mark the slight ridge, smooth on top; on this mark that eet apart. Transplant from the 1st to to 15th of June, or as soon as the plants ge large and strong enough, wbich will be when the leaves get four or five incbes long. Moist weather is best for transplanting, and if care fully done, very little cleek is given the young plants, as they are quite hardy and tenacious of life. Cultivate as soon as the plant take root, and once in ten days tbereafter, till too large to go among with the cultivator and stage. Keep off the cut worm from the yonng plants, by lunting them out; and also the green worm, by land-picking often, after they appear. When the plants get up pretty gener ally, so as to show blossom buds, pinch the op off-if a good growth, the point for top ping will be about $2 \frac{1}{2}$ feet high. The toppiug s necessary to send the growtb into the lcaves. Is of the days, suckers will appear at the a is of the leaves; these must be kept off, for the same reason of topping. Tobacco should
be cut as soon as ripe-before dead ripe-and
bung in the curing barn. It turns a mottled greeu, becomes tbick, and easily breaks when folded, upon ripening. Tobacco is hung with twine on poles, or hy speariug, on latb. It should be huug thin, to give a free circulation of air among it while curing. It is cured wben the mid ribs of the leaves ceasc to yield any sap upon bcing twisted. Watch, now, mild, moist time, and when tbe tobacco comes in, case so tbat it can be haudled withou breaking or cracking the leaves; take it dow and bulk it, preparatory to stripping. It is assorted into two or three qualities, as it may be more or less perfect. Tbe ground leaves go by themselves for fillers. All imperfect leaves go into another quality; and, lastly, the perfect leaves are stripped, and done up for wrappers. In assorting and stripping, put that of the same length of leaf in the same bauk, and be careful to do up every hank very nice seeping the hutts even, and winding the baud smooth, and near the end of the butts. Abou three hanks to the pound is the right size for the banks. Each quality is bulked separately, and well covered in and weighted down, prevent drying out. A mild day is chosen, afer tbe tobacco is all stripped, for casing, when tis ready for market. About 375 pounds are pressed into a box $2 \frac{1}{2}$ feet square, by $3 \frac{1}{\frac{1}{2}}$ feet in ength, inside measure. Tohacco presses, or evers with follower and blocking, are used for pressing. Tobacco should he stored in a diry room where it will gain no moisture from out side influences.

## $\triangle$ NEW HEDGE PLART

Nearly all bedge plants iu common use hitherto have exhibited some radical defect that has prevented them from being extensively popular. Tbe Walbngford Cir cular suggests a new shrub, which is common enougl, but wlicb has been used very little for hedge pnrposes, nd if what is said for it, is eorrect, it is just the plant to be set for hedges in New Eng and:-
A hedge plant to become popular must be perfectly hardy and casy to propagate. It should also be vigorous enough to grow well thary soils without manure. It shoud trong enongh to keep cattle from hooking it, and through it. Finally, it slould be low cnough to require little or no pruning. The commou barberry (barbcris vulgaris) combines these qualities better than any plant that I am ac quaiuted with. The barherry is a native of he northern part of Europe and Asia; but has found growing wild in the waste grounds of New. England. It is a remarkably hardy plant, hriving in a great variety of soils, and it is aid to live for centuries. It has a shrulhy habit (growing from six to ten feet in leight),
yellowish thorny wood, leaves in rosettes, yelyellowish thorny wood, leaves in rosettes, yel low flowers on drooping racemes, and scarlet, oblong berr
We have a barberry hedge on our grounds a
Wallingford, Ct., twenty-five rods long and nine years old, from the seed. Two rows of plants were set, the rows one foot apart, and the plants onc foot apart in the row, and set al ternately to break joints. This hedge las bee clipped a little two or three times, to keep it even, and is now six or seven feet high, with firm, compact base, perfectly impervions to he smaller animals and stout enough to turn ordinary farm stock, except at a short distauce at one end, where the soil is qnite thin. On our grounds at Oneida we have a barberry hedge fifty rods long and seven years old, from the seed. In this case but one row was planted, and the plants were set one foot apart. It has been kept clean with the cultivator, and clipped a little once or twice, and is now five feet ligh, thick and compact at the base, and already so strong that the fence was talken away last fall, leaving in its place only a slight railing of a single board, six or eight inches wide, as a temporary guard, until the hedge can make another year's growth, it being situated on a highway where cattle are passing daily. An important item in regarà to this plant is its habit of sending up suckers from tbe bottom by which, in a few years, it comes to have a base from six to twelve inches in di-

Hor-Growing ann tts Profits.-A corres fondeut of the Wisconsin Farmer furnishes he following facts and figures on this interest ing department of husbandry


This field yielded 17,139 pounds of hops, being an average yield per acre of 2448 pounds -and a net profit per acre of $\$ 821$ 42. Has any New England lop-grower beaten this?f so, let hiu furnish his statement and it shall appear.
Profits of Bees.-Among the few brags on bees this year, we notice that a correspondent of the Rural New Yorker says he had seven swarms last spring, which, with the exception of two or three, were light, and he had little hope of profit this year. But tbe account stands thus: nine new swarms at $\$ 5, \$ 45$; one luudred and fifty pounds white clover houey at thirty cents, $\$ 45$; fifty pouuds buckwheat honey, at twenty-five cents, $\$ 1.50$; toal, $\$ 102.50$, or nearly $\$ 15$ per swarm.

Pea Straw is richer in oil, albuminous or fesh-forming matter, thau the straw of the cereals. The woody tibre is also more digestible. Tbis fully accouuts for the repute in which it is held as fodder for sheep and cattle.

Good Yield.-G. O. Gill, of West Medway, raised the past season seven bushels of good onious on two square rods of grounc.
Mr. Andrew MeLaughliu, of Pcacham, Vt. aised 58 bushels of wheat on $1 \frac{1}{2}$ acres of land.

A doctor's wife attempted to moye him hy her tears. "Ann," said he, "tears are uscless." I have analyzed them. They contaiu a little phosphate of lime, soune chlorate of sodium and water."
 Fhode Esland.

## 


Bohlers repalred In a thorough mannerat short notice.
SHopat Nobitend, mean Habibibnaw \&ill Refers by permisesion to
RICE, barton \& Co., Machinists and Boller Makers, Worces-
 Hos. Springifild, Wass




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EXTRA HEAVY pLows, for road work and for breaking

massachusetts.
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## lost in the snow

- 

Knee deep, in hollows, lies the snov,
White softy, up and down the fioor, The feet of wintry moonheanas go: And in the hasl, before the d $n$
$A$ hogish face fs growing wan.

The death watch answers bent for beat
With hls poor heart, that mioves so slo He lears the watchman in the street,
He hears the river's siluggish flow And through his hrain there rums a di
Renembrance of a childisisi hrmi.

## Again he lies upon the grass, Bencath a chestnot's fiut'rin

## Bencath a chestnut's fint ring ne sees the mid-day flory pass, He hears the dore tlat fainty

 And all these memorles anongThere steals the hymn his mother sung
No looing tears are on his chee
No kiseses on his eyelilis faff;
None mark the wrist-pulse gro

## None listen to the Mlaster's. canli; Alone he goes, with bated breath <br> Alone, he goos, with bated hreath, To meet this mystery of death.

he moonveams scarcely gild the panes,
ller colden disc has droppeul so fow
Her golden disc has uropped so fow
He thinks how tired the men will he
ne thinks how tired the men will he
To-morrow, digging in the snow,
Beside that grave the angels keep-
His ears grow dull to eartlay snund;
The thin bands clasp npon hiss bre
wondrons nusic swells around-
1115 souit hath entered into rest.
Kise up, 0 sun, and hal the day

## GEN. WASHINGION AT HOME.

Gen. Wammegron stood six feet theee in his slippers, and, in the prime of his life, was rather slender than otherwise, but as straight as an arrow. His form was well proportioned
and erenly balanced, so that he earried his tallness gracefully, and appeared strikingly well on horseback. There has uerer been a more active, sinewy figure than his when he was a young mau; it was ouly in later life fied. His wife was a plump, pretty little woman, very sprightly aud galy in her young days, and quite as fond of laving her orrn way as ladies usually arc. She settled down into a goorl, plaiu, domestic wife, who looked sharply after ber servants, aud was seldom seen without her needles iu full play. She an clucated woman. Searecly any of the ladies of that day knew unuch more than to read their prayer book and almanac, aud keep simple accounts. Mrs. Washington probably never read a book through in her life, and as to her speling-the less said of it the better.Washiugton himself, before he became a pubic mau, was a bad speller. People were not so particular, then, in such matters as they are uow; and besides, there really was no settled system of spelling a hundred years ago. Wheu the General wrote for a 'rhcam of paper,' a bearer 'hatt,' a suit of 'eloathes,' aud a pair of 'sattin' shoes, there was no Webster unabridged to keep people's spelling withiu bounds. Nor was he mueh of a reader of Eugland uow and theu, aud a paper from the Spectator ou rainy days, but he had but little literary taste. He was csscutially an out-ofdoor man, and few things were more disagreeable to him thau confincuient at the desk. There was nothing in the house which could be called a library; he had a few old-fashioued books, which he. sct
read long at a timc.
The Gencral and his wife lived happily together, but it is crident that, like most heiresses, she was a hittle cxacting, and it is highly

Brobable that the great Washington was some limes favored with a eurtain lecture. The cel
ebrated anthoress, Miss Bremer, is our authori ebrated anthoress, Miss Bremer, is our authorionce slept at Monnt Vernon in the roou nex to that oecopried by the master and mistress of he mansion; and when all the inmates were in bed, and the house was still, he overheard, through the thin partition, the voiee of Mrs. Waslingtou. He could not but listen, and i was a curtain lecture which she was giving hel which she thought ought to have been done differently, and she was giving her opinion in somewhat animated tones. The great man listened in silence till she had done, and then, without a remark upon the subject in hand, said:

## "Now, good sleep to your, my dear.

## What an example to husbands!

When Washington was appointed to com mand the revolutionary armies, it is plain from his letters home that one of his greatest oljectious to aceepting the appoiument was, the "uueasiness," as he termed it, that it
would eanse his wife to lave him absent from would eatse his wife to
home.-James Perton.

## A HANDTUL OF SAND.

To the explorer, traveller, and iuvestigator or Nature's scerets, "Sand" is a page-per chauce a rolume-in the world's history Every tiuy rill and rivulet which pours its waters through ravine and valley, to lose itself
at last in some passing river, brings with it slowly but surely, grain by grain, specimens of the rocks and deposits over which its waters hare for ages woru their way. Each winte flood and smmmer storm lends its aid to break brought down by the crer fretting, ever wearing influeuce of ruuning water.
If you doubt as to the geological formation of distant hills and inaecessible mountains, consult a handful of saud from the neares brook flowiug from them, and much light will
be thrown on the subject by the imrestigation. be thrown on the subject by the inrestigation.
To examine sand, it has been my custom; after washing aud drying it, to lay a well-mixed por tion, say the size of a shilling, over a sheet of clean white paper; to thatteu out the pile uncil the particles are evenly distributed, and then with my pocket lens to scan them carctully The boundless treasures so loug buried in the at rest and undiseovered to this day had no sand disclosed the golden seeret, and thas it was divulged. One Capt. Sutter, an old soldier of the Americau Republic, had settled iu the valley of the Sacramento, Iaicl out a farm, built a mill, and regularly established hiuself. It was found that the "race" constructed to carry off the water which had passed the wheel
was not dcep enough for its purpose. It was therefore decided that the water-power should be turned ou, aud allowed to rosh tlurough, and deepenit. The pent-up torrent not only did the duty it was called on to perform, but overflowed the bauks, carrying turf, stieks, stoues and sand far over the meadows. As the water drained off, and the sun shoue out, the
white quartz partieles glittered like a thousand diamouds, aud a landful was gathered by one of, the Captain's people, when the yellow grains as well as white were discorered, examined, and foumd to be goll. How the human tide flowed in endless throngs to the new El Dora do, and how splendid eities sprang into beiug where, a few mouths before, a herdsman's fire and a lean wolfish-looking $\operatorname{dog}$ or two wer the only sigus of occupation, neel not be dwel on here, as they are matters of history. Har gares, too, tempted by the golden prospect eld out in the new lands, quitted Australia, there the roeks aud drifts struck hiun as being oo much like those which he had left behind, hat he, like Whittiugton, retraced his step)s, isited the river-bed near his own home, gath ared saud which told him the great gold sectet, Many other highly raluable alluvial gold aud diamond washings are dependent on, and hare been discorered by the drifting saud borne crer ouward by the giaut strength of water. Cocr ouward by the giaut strength of water.
linge boulders whieh, when the river bed is dry, the recds withered and yellow, and the leares, look as though no carthly power could stir them from their bet

## "spates" of molten siow

## from distant mountains

Etach of these water-wom blocks lends it contribution to our "hrundful of sand." The atersected by the crnshing umss are laid pulverized as by a mighty mill, and ground uto pinticles and fragments little more than and. These, with other atoms worn from the bed of the torrent over which the abrading settle for a time, according to their gravity and size, to be again disturbed, carried ouward, re leposited, shaken about, tretted, rounded, an griu crushed. Your veritable " rollingstone Gathers no moss, indeed, but obtains, like artienarly suooth surface instead. Ouward nd ever ouward journcys our stud, forming at times "bars" across rivers and the mouth. or harbors, sliting-up lakes-a process now going on in that of Geneva-blocking ul Chanppear in, and, in fact doing its part to bring ppear in, and, in fact doing its part to brin erust is always uulergoing. On the burning leserts and among the sterile dunes, sand hold higll festival; and twell do I kuow, from phinful experienec, what a tryant lic is, when whirting aloft like some huge pillar, curling roud in mazy, spiral, ouward mareh, the in meek submission.

Rany Weather and Mortality. - Not vithstanding that rainy weather causes colds and coughs, and even fever, it has lately been oiticed, through combined meteorological ob servalions and medical statisties, that rainy
years are not so injurious to health as is comyouly supposel. Heavy rains nudoubtedly wash away many causes of contagious diseuses. Expcriments in Liverpool, extending reat many years, have proved that the hea he rains of summer the less children die diarrhro. In Caleutia the cholera always dim-
inishes in the rainy season there. In the low countries of Holland and Northern Germauy, where ferer and ague is eudemic, the number of patients sufferiug from this discase is rery great in dry stmmers aud sonall in rainy sca ons. Mr. Rowell has kept tables from 1815 o 1866 that appear to prove that iu years when more rain falls thau usual the mortality is le han usual, and rice rersa. In all this there ity of using plenty of water to keep everythin lean aud wholesome.

Improving Mavure.-Joseph Harris, in his Valks and Talks, says: "We are making ellar under the old baru. The soil is very dry nd I spread a few eart loads of it on the of the manure in the wettest parts of the barm-
yard. I was astonished at the effect. It abard. I was astonished at the effect. It ald for the eattle, far sooner and better than a good layer of straw. Of course we want some straw loads of dry sand, or what is fur better, dry muck, would save a good deal of straw in lit tering yards and stalls. Sand, too, wheu uixed neutation. Prof. Way's experiments prover this to be the case to an extent far greater than any one had preriously thought possible. In our cold elimate, where it is diffieult to ge manure ready for spriug crops, a little sand wattered oceasioually on the manure yar
would increase fermentation and prore bene ficial."

We sigh for the good old time. Each gen ration has a good old time that passes away rood trim-chik to the
> rood old time is to come.

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scrivers for the Farmand Fireside, in every lown in the United
States. For terms, apply to the Publisher, at once.

Drestrection of Suren by Dors.-The folling of the wool growers of fllinois: The Commissioner of Agriculture estimated that tor the year 1863, the damarges resulting from dogs in wis not less than $83,000,000$ ). Estimating the dimaryes on our $22,000,000$ sheep in Illinois at he same rate, gives $\$ 200,900$ as our annual the account fill against doges, we must also es imate the cost of their keeping. Onio csIllinois haxl probally at least as many, whioh is chene to to cstimate five of ompory poplation. It per year. Call it soce cach, which makes it sis tenn then is $85,000,000$ for the keeping of dorgo Minnesora Pctbac Lanns. -In addition Minnesota for railroads, internal improvements and agricultural rolleges, amounting to thirtecn million acres, and to a rast annount alrcally citen million acres, fhere are still open to honeteal settement over thirty million acres of the best kiucl of agricultural lands within the bor ders of the State. Of the twenty-hlree million but $\$ 2,692,923$ hare been realizel to the Treasury
How ro Pruafy Thased Casks.- 1 cor-
respondent of the Conutry Gentleman tells us how he does this: "Maving had some sal experiment of putting a sunall armful of dry shaviugs in the eask. and setting them on fire. The result was that the grease, and all other was plrought to the surface and burned. It can then be washecl perfectly clesu, and will be as gool as uew. The sharings should be kep moving by rolling the cask and stirring, that The fire may not burn the eask, and that the
fire may seareh every part. Good for ranci larl-l-ubs and huter-firkins."

We have some celcbrated rumners in tine United States, but searcely equal to a young lives at IIddalgo, in Southern Chihuahua. IIe has been known to beat a man on horseback mate one hundred and fifty miles in twentyfour hours. I frieud of miue lately gave him * 5 to carry a letter fifty miles and bring an answer. He did it in twenty-two hours, tak-
ing, as he thought, pleuty of time, there beiug uo great hury: The last fifty wiles he made slowly, in sevel hours. From this may be of Montezuma and the Perusian ineas.-Mexi
$\qquad$ farms have beeu soldiu one section of Alabama Gilure of erops caused ereditors per acre. One of the sales thus made was a plantation six hundred acres for six hundrel dollars. B and fifty slaves and forty horses.

## 

## Diseases 19 the Anericin Stable, Fiel And Farm- Tabd; by Iobert McClare, Prin eipal of the Jerchants' Veterinary College eipal of the Plitadelphia.

This is a work of great value to every ma ho owns or uses a horse. The author has dirided the volume in three parts:-first, the discases aud treatment of the horse;-second the medicines, prescriptions and preparutiou used in reterinary practice;-third, the diseases and treatment of the or, together with the treatiment of diseases incilent to milch cows and calves. In a cursory reading of this rolume, we are inclined to pronounce it emiently practical aud correct-a book that hould be in the himary of crery farmer, stock-

THE CIDER MLLL．
Cader he hlue New England skies，
Flooded with sunshine a valley lies；

## 


 Its larrest fields have the hrightest sheen； And the whitest tilies gem
Ylove，oh 1 hetter than words can tell．
1ts every roct and grove and dell：
But most $I$ iove the gorge where the rill
Comes down by the old hrown＇cider mill．
By the roadgide stands the cider mill，
Where a lowland slumber waits the rill： A grest brown huilding two stories high，
on the western hill－face，warm and dry： And odorous piles of apples there
Fin with incense the golden air： And heaps of puimice，mixed with straw．
To their amher sweets the late fies draw． The carts hack up to the upper door，
And spill their treasures upon the fioor Down through the toothed wheels they ${ }^{0} 0$
To the wide，deep cider press helow； And the screws are turned hy slow degrees
Down on the straw－waid cider cleese： And with each turn a fuller stream An amber stream the gods might sip，
And fear no morrow＂s parched lips． But wherefore gods？These ldea3 toys
Were soulless to real New England hoys． What classic goblet ever felt
Such thriling touches through it melt，





Andestit arsitaon anums sith
Lamdscape Aardening．
THE LAWN，OR FRONT GRASS PLAT．

Every person owning a plat of ground on which stands his house home，desires of all things to have more or less of gool，smooth， elean grassy turf．Those who have acres，give space enough for such purpose to hare it des－
ignated as a lawn；while the owner of a fifty－ ignated as a lawn；while the owner of a fifty－
feet－front lot，can only have room to dercte to turf，to get above the plain，but always pleas ant term，of grass plat．
Those who risit Eugland and retiru to us， tell of the smooth，clean，crer－fresh turf that surrounds the homes of the old country；and
often speak of our lawns and grass plats，when often speak of our lawns und grass plats，when
brown with drought and summer＇s heat，with almost contempt．It would he more to the credit of these travelers if they would study hows these ever－fresh and green turfs had been created，aud apply their knowledge to assisting the practical renovation of lawns in our own country．

An experience of twenty years，by the wri－ ter，in landscaping and forming grass－plats and lawns，in various parts of our States，courinees
him that we can and do have equally beautiful him that we can and do have equally beautifu
lawns，although perhaps of less extent，a those of England．But we cannot have good lawns，no more thau we can grow good eorn， without we prepare the ground in a suitable manner therefor．To hare fresh，clean tur the season through，the soil must be prepared，
suitable seed sown，and frequent mowing gir－ suitable seed sown，and frequent mowing gir
cn to keep the grass from seeding，and thus ex－ haustius，rapidly，the soil，as well as redueimg the life of the grass by its fulfiling its natural order of reproducing itself by seed．In our experience we have found the following prac－ tice to gire ns satisfactory results：First，we dig or plow our ground at least tweuty inches deep；next，if the soil is not sixteen inches
deep，we take out the poor soil and replace
with good，until our whole lawn or grass plat es deep；the top two inches being the best and finely pulverized．We pick out every stoue abore the size of an egg，and every stick，and with our ground so prepared，we wait for one good raim，if we ean，to let it set－ tle，as at times it does not settle perfectly eren； and if the seed is at once sown，much of it would lhare to be disturbed in the after－seed our lawn has settled，we go on it with rake fand spade；and as we rake it over，level the inequalities of surface made iu settling．This done，we take of blue grass seed thirty pounds of red top seed，thirty pouuds；of white clo－ ver，sixteen pounds，per acre，or in a like pro－ portion to the extent of our ground．We mix this seed thoroughly，and divide it iuto three pareels；then we take one parcel and proceed To sow it carefully over the whole ground．－ forth．Then sow auother pareel，and again forth．Then sow auother parcel，and again and if we have a roller，pass that orer the首gronnd ；but if we hare no roller，and the plat is not wide，we take two long and wide hoards aud proceed to press the seed in the soil by layiug first a board，then standing on it to lay the next，and so on，standing ou one board to lay the other until we hare gone over the whole piece．When the seed has come up
daud grown about two inches，this rolliug or虽保 grown about two inches，this rolliug or the grass is four inches high it should be保own，aud spread erenly orer the ground and left to decay．Roll or press again，and so eon－ Itinue the practice during the season．

Those who attempt to make good lawns on dhave fresh grass plats by spading fonr to six
inches deep，and sowing on a little seed，per部ches deep，and sowing on a little seed，per－ form just so much of labor and expense for
the production of a little grass in Spriug，weeds in Summer，and straggling tufts of grass and Iweeds in Autuun．The old saying，that＂if a
 well，holds good in the worls of lawn makiug， fany other labor for the productiou of orna－ mental coinfort．

## CHEESE AS FOOD

Compared with other people the Aurericans place but little value on cheese as an article of food．We use it as a condiment，sauce，or
side disk，rather than as necessary or proper side dish，rather than as necessary or proper
food．In England，Seotland，Ireland，Wales， and in many parts of continental Europe，it is sary article of food．There is reason why it sary article of food．There is reason why it
shonld be so regarded．Its composition is very similar to that of flesh，the casein representing the mnscular fiher，and the huttery matter the fat portion．Casein is au albuminous sub－ stance，useful in building up the muscles，and the buttery matter is a concentrated carhon as aseful，in its way，for food as fat meat．Tine Swiss chamois hunters take on their cxpedi－
tions among the higher Alps，where they re main sometimes for days together，exposed to intense cold and undergoing the hardest of ex ercise，ouly a small quantity of cheese and flask of brandy．The English harvesters lir on ale，cheese，bread，and oceasioually a bit o mutton．The Germaus and Hollauders nse cheese as a common article of food．
With soule persous checse is not in favor be－ cause of its constipatiug qualities．Eaten ram it is less so than when toasted or made into the
popnlar dish known as Welsh mare－bit．In this formi it is searcely fit for the human stom－ aeh．The fatty particles are separated from the albumen and appear simply as liquid oil， while the albumeu is changed to a tough， stringy substance，without nutritious qualities ud alnost as indigestible as sole leather：
Cheese derives a factitious and market ralue from the districts in which it is produced．The Stilton cheese is a synonym of superior excel－
lence to the English palate，and those who have made themselves acquainted with Ten－ tonic tastes understand well what is meant by Limburger and Sweitzerkase．But for years Limburger and Sweitzerkase．But for years
late number of the London Grocer says：－ ＂The Americans and Canadians are emulating Amost success obtaiued from those English importers who have made themselres well acquainted with the best sources of supply．＂
If ehcese conld be afforded at a fair price as compared with other meat，there is no reason why it should not beeome，in a measure，a sub－ stitute，as it seems to be especially adapted to restore the foree expended by those whose work is extra laborious and exhanstive；aud indeed it may be questioned，now，whether it is not as cheap，all things cousidered，as fresl meats．
tion．

## THE MIND DEPENDENT ON THE BODY．

Great meu，lave as a rule，hacl strong，hand some，fine－ibred，enduring bodies．Napoleon was very strongly and handsomely built，and had immeuse powers of working and eudur－ iug fatigue．So had Wellington．Humboldt all his long life needed only four hours a day of sleep．Agassiz is a man of prodigious physical strength．Cæsar was of uncommon endurance and athletie rigor．Charlemange was of colossal stature aud rast physical strength．Washington was an exceedingly strong man．Henry Ward Beecher is remark－ ahly powerful in his make，stroug－limbed， deep－chested，heavy，and at the same time quick and aetire．Daniel Webster was of massirc physical proportious．Hemry Clay had immense endurance．So had S．S．Pren－ tiss，probably the most wonderful orator the United States cver produced，and who could trarel，speak，eat，talk，plead in court，and gamble orer a faro tahle for three or four days without sleeping at all，aud look all fresh and
bright when he got through．All great soldiers have had great strength and great endurance． Sherman and Grant and Thomas have it． Scott had it．Of Wellington and Napoleon and Cesar I have spoken．Frederick the Great had it ；aud Marslal Saxe，the strongest mau of his day ；and Charles XII．of Sweden， and Gustarus Adolphus．Great philosophers and great poets and artists have not been so renarkable for rast strength as for fineuess of texture and（iu the case of the poets at least for personal beauty．Goethe was wonderfully handsome and stately in person．Shakespeare attractive in mers．Milton vas singularly some aud rigorous．Byron，though lame，had otherwise an extremely fine face aud person． Tennyson is a man of great strength and com－ mandiug and handsome physique．Southey aud Wordsworth were men of fine person，
Keats was bandsome．Raphael，Albert Durer， Michael Angelo，Titiau，Leonardo da Vinci， Rubeus，Vandyke，were all men of rery beauti－ Herald of Heath．

Remedy for Cnored Catrle．－A eones pondent of the Country Gentleman mrites as follows：
＂I give yor：$e$ raluable remedy for choked cattle，whether choked with apples，turnips， Cec．：Take a suall pareel of gunpowder about two or three thimbles full－make a small fun nel with thin paper，suflicient only to hold the powder；elose the large eud by folding－iusert it in the passage of the throat either with the fingers or hand，or hy usiug a small stick－spli so as to glasp the sunall end of the funnel，and to be easily withdrawn when desired．Noth－ ing else to tve done．This has been tried suc cessfully by some of the best stock raisers，and has never failed，I beliere，in any ease．

Faris Acoounts．－We would nrge upon er ery farmer the importance of keeping a cor－ rect aceouut of all he does－not only in his dealings with the mechanie，merchant，and others，but with himself and farm．Keep an acconnt of your hired lielp－the expense of each kind of crop raised－the product－in fact household operatious．You cau then，at the close of the year，tell which crop has paid best，and what per cent．you are receiving for best，and what per cen

The Chip 揭asket．
A mas who had a seolding wife，heing asked what he did for a living，replied that he kept a hot house．
Ar old lady，who had insisted on her minis－ ter praying for rain，had her cabbages cut up by a hail－storm，and on tiewing the wreck，re marked that sle never lonew lim to uudertake anything without orerdoiug it．

A mondred thousand reapers and mowers were mannfactured in the United States last Trie Chinese supply themselres with soan by seraping the pods of a certain leguminous plant．After rubhiug the limen with this pulp， it is ready for the riusing tub．
Par a hand，if he is a poor hand，all yo little more ；it will encourage him to do better

A colored cook expecting company of her own kind，was at a loss how to entertain her friends．Her mistress said：＂Polly，you must make an apology．＂＂La！missus，how can I make it？I got no apples，no eggs，no butter， no nuffiu to make it wid．＂
Solon compared the people nnto the sea， and orators to the winds；for that the sea
wonld be calm aud quiet，if the winds did not trouble it．
Josir Bilingas on Preaceing．－＂I always drise short sermons，especially on a hot Sun－ day．If a minister kant strike ile in boreing forty minutes，he has either got a poor gimblet， or else he iz horeing in the rong place．＂
An old lady was complaining a ferr days since，in the market，of the excessive high price of provisions．＂It is not the meat only that is so enormously clear，＂said she，＂but I can not obtain flour for a pnddiug for less than douhle the nsual price，and they do not make the eggs half so large as they used to be！＇

## ANCIENT HOSPITALITY

It was once the unirersal custom to place le or some strong liquor in the chamher of an honored guest，to assuage his thirst，should he feel auy on awakening in the night，which， considering that the hospitality of that period ofteu reached excess，was by no meaus nu likely
It is a curreut story in Teriotdale，that in the house of au ancient family of distinction， moch addicted to the Preshyteriau cause， Bible was always put into the sleeping apart－ ment of the guests，along with a bottle of strong ale．On one occasion，there was meeting of clergymeu in the vicinity of the castle，all of whom were invited to dinner by the worthy baronet，and sereral abode there that night．
According to the fashion of the times，seveu of the reverend guests were allotted to one large barrack－room，which was used on such ocasions of exteuded hospitality．The but ler took care that the divines were presenterl， according to custoun，each with a Bible aud bottle of porter．But after a little consulta tion among themselves，they are said to hare re－calied the domestic just as he was learing the apartment．
＂My friend，＂said one of the venerabio guests，＂you must know that when we meet together，the youngest miuister reads aloud a portion of Scripture to the rest；only onc Bi － hle，therefore，is necessary；talke away the other six，and in their place bring six more bottles of wine．＂

Winter Thovgirt．－It is winter now．The earth is frost－hound，and inerusted with ice and snow；but soon the sun will come wheel－ ing from the tropics，and the roice of Spring will call，and the violets and daisies shall hear it，as well as the piues in Oregon，aud every－ beauty．So it is with mau．His winter has been long aud dark；but the sun of God＇s lore shall shine，and the erusts of tyrauny and the frosts of oppression shall melt away beneath its rays，and the lumblest as well as the lofties ercature shall yet stand in the light and liberty
of the sons of God．

c. W. And S. S. Foss, EDITrors.

SATURDAY, JANUARY 26, 1867

## IN-DDOR LIFE ON THE FARM.

We often hear people talk of the hard work performed in planting, laying and harvesting; we often hear the merits of the various live stock referred to; we also listen, almost daily, to the advantages of certain field crops, an low to make farming more productive. we rarely hear anything said, in sympathy or praise, of the immense labor, care and per plexity of those who attend to the In-door duties of the Farm. It is there, to a great ex tent, that the farmer makes his profit and reaps his daily harvest. The patient, toiling wife the industrious, economieal daughters, and the faithful, hard--working female domestics, nerer cease work in all the hours of the day. The sun rises and sets and yet the work is uever finished. Industrions lands and loving hearts labor continnally, persistently, always iu faet In-loors on the Farm.
We know there are men who live ou farms who appreciate and remember these facts, and who do everything they can to checr and alleviate the wife, danghter and domestic who do
so muelh for their prosperity and happiness. so much for their prosperity and lappiuess,-
But there are thousands of farmers who either never cornted up the great aggregate of labor performed in the house, or else are so absorbed in their own duties that they camnot stop to think of them. This latter class is, unfortunately, too large. And, it belongs to a class not the most industrions or prosperous; many
of whom neglect to manage their business to of whon neglect to manage their business to
the best allvantage, who are array from home more than is necessary, and who are of ten dis contented with their lot or profession.
Let us go into a farm house and we will soou tell you if the wife is a pecr or a slave; if the danghters are encouraged and appreciated, o if the servant has a sympathetic and realizing master. A look into ane kitchen, the buttery, the wash-room or the nursery, tells the whole story. Where a farmer practically knows the cares, toils and drudgery of his houselold, there everything is generally neat, well ar ranged and systematic. He has labor-saving machinery, improved utensils, abwudance of sulpplies, and an air of thrift, prospecity and
clecerfuness is all around us. The old kitchen laughs at us from the door to the climney, from the floor to the rafters. But if we go into the bouse of the "do n't-eare" and "let-it go" farmer, we notice the reverse of all this. The poor wife looks the picture o. ¿eglect and sorrow ; the girls are crusty and discontented, and the hired help are not worth house-room Is this picture over-drawn, or too highly col-
ored? Perraps it is, but it's as near the truth ored? Perhaps it is, but it's as near the truth as most things in farm-life. The fact camot be denied that In-door life on the Farm presents two distinct pinases. One is where the farner knows its trials, labors and economie importance; and the other is where he knows little and cares less of the happiness, health and prosperity of his own household. Far be it from our intention to lower the character of the American farmer, or to depreciate the general good traits of oir rural frieuds. Lord Bacon claimed that every man was a debtor to lis profession; and what class of our citizens owe more to their calling than the agriculturists? Withont knowing it thoroughly and practically, none can snceeed; and without
sympathy and hearty eo-operation with the Indoor affairs of he Farm, you cannot thrive; nor will domestic peace and happiness be your coumanions.

Steam Plowing. $-\Lambda$ steam plow, just re ccived from England, is creating mueh interest at New Orleans. It is to be used on a plania tion in that ricinity.
We have long been of the opimion that the day is not distant when stean plows will be extensively used on the prainies of the West.

Minnesots is a young giant. Last year she exported $0,109,711$ bushels of wheat and flont

## REMEMBER THE STOCK.

The severity of the great snow-storm of last week, is remembered, by your cattle and horses, if they were exposed to its fury. Hnmane and thoughtful farners, of course, looked after their stock; but there are some men who are wholly negligent of the health and commons lose, annually, more or less by careless treatlose, annually, more or less by careless treat-
ment of their animals, and never find the ment of their animals, and never find the
leakage in the year's profit and loss. Hundreds and thousands of dollars are lost in this way, every year, in the Middle and New England States, which could be sared by timely attention. Young auimals require especial care, and yet they are the most frequently neglected, both as to shelter and food. A great many caives, lambs and colts are lost in this vay; others, also, are so much stmutcd, by cold and starration, that they never regain their natural vigor. You do uot fail to protect and feed your young children ; then why neglect young animals? They require similar care and atteution; and, if well protected gaiust inelement weather and proviled with ample and appropriate fool, soon gam strength and hardiness sufficient to bear the sererities of our Northern winters. Let every farmer re-
member that lis stock are not proot against member that lis stock are not proot against drachm of mercy" to them, is money at compound interest. Remember your stock, and if you hear their bleating and looing amid the howlings of the winter-storm, consiler it not

out as a direct appeal to your sympathy and humanity.

## THE WOOL INTEREST.

At the Wool-Growers' Convention held in Springfield, Illiuois, the interesting facts were stated that there are in that State $2,000,000$ heep, worth $\$ 8,000,000$, yielding anmally $83,000,000$. It was resolved that we should cease to import wool, a great part of which is shoddy, making this country the rag-bag of the rorld; that Illinois protests against being taxed to support the Governuent while being put in compectition with those who contribute put in competitiou with those who contribute ness by any improvidence in the tariff must effect financial disaster, and impair manufactures. For these reasous, the House Tariff bill ( 718 ) is urgently recommended by them.Gor. Yates las written a letter to the Couvention, stating his belief that 10 cents per pound tion, stating his belief that 10 cents per pound
ou imported wool is little enougb, and deenring that he shonld advoeate its incorporation into the Tariff bill. We trust that a tariff ben eficinl to both manufacturer and grower will soou be agreed to.

Hign Phees Abroad.-It seems not to be profusion of "greenbacls" alone that cause ligh prices, for Britislı papers are filled with the same complaints as our own, of the greatly mereased cost of living. A Glasgow paper all the staple artieles of food, areraging about all the staple artieles of food, areraging about ago. Anoong its figures are these:

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dikn


Beet Su ates are go ing into the manuficture of beet sugar. At Chatsworth, Illimois, is a fictory that has been running two years, and turns out three tons of
sugar a day. There is little donbt that the Western States will be able to supply all the sugar and molasses needed for their own consumption, within twenty years. There is no part of the eountry, however, better alapted to growing suitable beets and making them into sngar, than the Middle States or even New
England; and it is a linte surprising that attention has not been directed in that way.
SRED A STAMr.-Specimen numbers of the Faris in
Finestin will be forwarded to nuy address, on the recelpt of

## $\triangle$ BRIEF VISIT TO PETER HENDERSOH.

Hativg long admired the pungent and intel ligent contributions of Mr. Henderson to the Itorticnltural magazines, and learning that his garden was near New York, I decided, whilc on a risit to that eity, to give him a call. Fo best way to reach his honse, I called at the seed store kept by Mr. Henderson and il Mr Fleming, under the eo-partnership name of Henderson \&E Fleming, in Nassuu street. city in the morning, aceorling to his custom but had returned home. I passed a hatt hout ery agrecably with Mr. Fleming, a frumk and genial gentleman, with a conntenance clo guently inclicative of robust health and good spivits, and then took my way to Jersey Ferry in accordance with Mr. Fleming's instrnetions. Arrival at Jersey City, I took one of the South Bergen horse cars, which conveyed me nearly to Mr. Itenderson's grounds. I found slope overlooking the bay, and having a fine view of New Yoik. It was a mild auld genial day in Spring, and as I passed into the enclo snre, I paused to enjoy the beauty of the tranquil scene. I also felt a little reluctance to enle, as my risit was one of mere curiosity, and Ihad formed the idea that as Mr. Henderson ture, and a rather bluff and despotic one at times, I might get a rebuff from the mighty and reuerable potentate upon whose domain I was trespassing. While I loitered in the gateway, I saw a laborer coming up the main avenue, who, although his coat was off, as it being an overseer. In reply to nyy inquiry for Mr. Henderson, he pleasantly annonneed him self as the gentleman sought for. What crroof but lave not seen! The Peter Henderson of my imagination was a man of abont sisty, stont in person, reservel in manners, gruff in peech; in fact, a personage somerrhat after Buly. The Peter Heuderson, now self-introducci, was a trim-built man of youngish ap1breadth or height, just a " fine strapping fellow ;" and as free, chaty and sociable as you please. IIe at once and very checrfully underlook to show me through the long row of lass housts; and although they were filled with objects of adniration, and Mr. IIender-
son's reuarks upon their culture and peculiariies were instructive and interesting, I eould not keep my mind from wondering at the man himself. So I said to him, " MIr. Heuderson, pray tell me how it is that at your age, you have obtained, practically, this knowledge of plants and flowers; and, at the same time, acted by your writing?" Modestly disclaining the inplied compliment, he replied that his opportunities for obtaining an edncation had been o limited that he considered himself an unedcated man. ILe added that he had always een a working man, and that the most of his pisure hours of Winter.
Mr. II. has quite a fortme in his real estate, apart from its ralne as a garden; its proximi$y$ to Naw lork having rendered it valuable paid $\$: 500$ per acre for it some nine years ago; it must soon be worth, I slonould say, uot tal from $\$ 10,000$ per acre. It has a new and el-
egant house, so locitel as to command a fine egant house, so located as to command a fine
view of his gardens aud the adjacent country for many miles, and seems to enjoy a degree o prosperity snch as seldom attends the tiller of he soil.
January, 1867
IT Hon. Marshall P. Wilder, of Massachuelts, has been appointed, ly the United States Agrieultural Society. Special Commissioner to he French Exposition and to the Agricultural Exhibitions of Europe next Antumn.

독 A Cranberty Company, with a eapital of
8150,000 , has recently parelased a thonsand acres of land, near Aision, New Jerser.

性articulture.
THE PROFITS OF GARDCENING.

There are two distinct loranches of gardenag, wiich cammot, ammong us, be too well deisconceptiou and disappointmenter 10 arroid of cultiyators operate on the soil and its proacts mercly in a commereial point of vierr, as remuncrative business; the other as a branch of refining pleasure, as an aid to the edncation f the facultics and eleration of the mind, as ell as the gratification of the senses
The idea that both ends may be attained, to ny fair extent, by auy general arrangements or provisions, leads to disappointments whieln
oo frequently cad in the disconragement of horticulture as an art. To sjeak more plaiuly, "Market Gardening," ats it is styled, is quite
diflerent in its aims and practice from "Amaeur" or "Ornamental Garclening."
Iet no fundamental difference exists in the dudes which science has prescribed for the guidance of the iutelligent cultivator in either nces, the extent, the amount of eapital inrested to produce a certain result, well defined ad ascertained.
Should any well-to-do-merclaut, for instanec, having realized it fair competency, desire a ountry life, and iuagine that, by a moderate utlay in addition to the erection of his manfor and laying out of his grounds, he might conomize his annual outlay by marketing his urplus garden crops-fruits and esculentsand make his arrangements to this end,-my rgument is, that the result will prote unsutisactory, though not for many years disastrous; and instead of adding to his gratification by To put this iu practical terms: ment of fruit trees and frniting plants are ob ained and planted, ostensibly for fanily use at if over-abmedant in supply, to be sent arket. They receive ordinary cultivationcially adapted for marketing (for there is somehing in this), they not only do not produce ny smplas in a reasonable time, but they do ot even furnish the most moderate capecta ions of the hopeful amatemr. To fully state e various canses for this weult can bet be done by clemonstration, as it ean be by cuoting actual instances of such failures which are a liand.
So in Irruit Culture under glass, many inances ean be atdhece
But, let the experieneed froit cultivator, killed in the required soil, the required varieies, aud necessary routine of treatment, from he planting the tree to the ripening and marlieting of the fruit, undertake the work, and no failure need result, or does result, in nine cases ont of ten. In the Small Fruit Culture Truek Farm," it is In the Esculent, or "Truek Farm," it is an established tact that f laud and capital invested, on lands espe cially greatly enlanneed in raluc by contiguit o large cities. What land eosting one thousand dollars per aere, as land does cost in this ricinity, can be cultirated or cropped profitay in any other way than in "Small Fruits" Esculents for city consumption: Eren Pear Culture, so frequently regarded as a delnon, can be made profitable
But this article has extended beyond the limits intended, and will be followed up on Jonuery 23,150
Fine Cal. -MIr. Joseph Clynicls, of East Fottingham township, Chester cnuntr. Pal, has a calf cleren monthes old, that weighs Fho saw it recenty, pronounect it an animil of great beauty and promisc: HOW TO OBTAIN THE FARIS AND FIRESIDE.
SFND Two pollars to the publlsher, by mail ; or, if there

## Firiresite Irales.

## my Lost alice.

I kwow not why I should be so sad when I think of Aliee Glendenning. It is truly no meet cause for sadness, when one has fought a
hattle and gained the victory - when one has earned rest-when one has entered into life.Dare I affim that I helieve in the infinite joy of Hearen, and yet sit stranded on the shore of time, and weep, with vain human longing, for one who walks in that eternal day? I say these things over to myself, and try for a moment to believe I am glad that Alice is gone home. But my faith is not quite strong enongh. I shnt my eyes, and seem to see agaiu a pale, fair face, with delicate, straight features, eyes full of soft light, dark drooping hair-such a face as Lmini painted, in a dead century, as his conception of the Virgin Alice.
among women "-that was Ale
She was my one friend, and I loved her as those love who have fers objects in life. I had
aequaintanees enougli-people whom I liked, and who liked me; but to none of them had I ever opened my heart until Alice came. My nature was shy and reticent, and my life and my spirit continually eontradicted eaeh other.
My life was quiet in tlie extreme. I was surMy life was quiet in tlie extreme. I was sur-
rounded by men and women who lived in their day's work or their day's pleasure, with little thought beyond. I used sometimes to wonder what they would do it suddenly translated into a purely spiritual existence-their occupamade me sirink more and more into myself.I could not speak to them of themes which they would have found as barreu of interest and as incomprehensihle as an unknown tongue. But when Alice eame she understood all from the first.
We grew to be dear to each other, very dear. I had no stronger tie than the one which bound me to her. She had a lover, to whom she bad heen betrothed for years. He was a man of business, living iu a distant city, and she did not see or hear from him otien enough to in-
terrupt our friendslip. She wrote to him one week, and he answered her letter the next, and four times a year he came to Glenwood. For the rest I conld have Aliee to myself.
I saw this Marcus Glendenning on his first visit to Alice, after I bnew lier. He was her seeond cousin, but as uulike leer, except in
name, as possible. He must have taken his name, as possible. He must have taken his
mental and physieal traits from the other side of his ancestry. - I did not like him, though I tried to for Alice's sake. There was something in his faee which repelled me. I do not know whether it was the self-indulgent lips, or the inscrutable black eyes, or both together. His eyes were not hrown or hazel, but simply and mumistakably jet hlack. Like all such eyes Whieh I have ever met they revealed nothing. Whatever enotion stirred him they glittered unehangeably. I do not like such eyes,-
There is something iu their mystery whieh warns me of unseen breakers. From the first I had no faith in MIr. Marcus Glendenning; but I did not say so to Alice. One day I asked her if she really loved him.
"Would I be engaged to him if I did not?" she answered, with an iudignant blush, and a quiver of her sensitive lips, Which made me
think of a grieved child "I love him better think of a grieved child. "I love
than anything else in this world."
Then I held my peace. After all, she knew him hetter than I did, and very likely judged him more justly. At any rate she loved him, and that, with a girl like Alice, was a faet with whieh no pressure of outside influences could do away. If she were ever cured of it, it must be hy some wrong-doing on his part; and I knew her well enough to pray that for her such an evil day might be far off.
Wheu I had known her a year I began to wonder that he never urged her to make any arrangements for their marriage, especially as she was an orphan, and might uaturally he supposed to desirc a home of her own as soon as possible. I spoke of this to her one day,
and she said that they had beeu engaged almost ever since they were children; and it had been always understood that they were not to marry until he had nnet with a certain degree
of stccess in lis business. She was so trustful that I believe uothing of that kind could have disquieted her; but I , loving her so truly, was far from satisfied with the devotion of this
The seeond autumu after she eame to Glenwood she receiveí au invitation from an old wood she receiveri au invitation from an old
school friend to pass the winter. The friend resided in the same city with Mr. Glendenning, and that fact, I knew, influenced Alice in he delighted acceptanee of the invitation.

Only think," she said, "to be near him one whole winter! I shall see more of him than I ever have siuce I was a child."
With the same mail by which she answered her friend's letter went one to her lover, acquainting him with her plans. She waited anxiously for his reply, hut when it came it was easy to see that she was not altogether sat isfied with it.
"I do n't think Marcus is half-pleased," she said to me. "He writes that he is glad, but he adds that he had hoped I would come there
first as his wife. Poor fellow! I think it first as his wife. Poor fellow! I think it
troubles him that he is not ready to be married at once. But I shall chcer lim up when I get

Would she? I wondered; or would she find herself no longer mistress of his moods? A presentiment settled on my mind that I sloould uever see again my cheery, bonny Alice as she as when she went away.
The tinc of her absence seemed very long. Neither of us liked letter-writing, so we heard from each other hut seldom. In these rare letters she made, from the first, little mention of Harcus Glendenning, and after a short time began to long feverishly for her return. She was to come early in May. I went out that day, I remember, under a bright sky, full of flitting, changeful clonds, and gathered the first blooms of the trailiug arbutus. I always felt a curions kinship with the shy flower. Its ike the fire pretiness soothed me this cas home all I could find, and arranged them in Aliee's room, for slie was to come to our house. She had to hoard somewbere, and it seemed natural she should he with me. Taking boarders was contrary to all rulc and precedent with
my mother, but I had persuaded her to make my mother, but I had persu
an exception in Alice's case.

When I had pleased myself in the arrange nent of her room I went over to the station and waited for the cars to come in. The mo ment she stepped upon the platform I knew that my presentiment was verified; that the bonny, happy, care-free Aliee who went away lad not come back-never would come again She looked ten years older than the day I parted with her. She had been pale always, but
there had heen a life and hrightness in her face which was gone now. There were dark circles round her eyes which told of wakefn nights, and the thin hand she gave me was fe-
verish. Sle kissed me, not impulsively, as verish. Sle kissed me, not impulsively, as
shc would have done once, but with a long, slow kiss, full of tenderness.
I took her home almost in silence. When we went into her room, and she saw the flowers with which I had adorned ir, the ghost of smile filted across her face, and she said
"I wonder if any thing could change your love, Margaret? I know by these f
bave been thinking of me all day."
"Not to-day only, hut all the days sinee you left me. Is it so strange that I should love "It seens, sometimes, as if there were no sueh thing as real love in the world; for the love I trusted in the most bas failed me.-
Do n't ask me any questions, dear. I could not hear to answer them. I am not engaged to Marcus any longer. He has heen weighed in the balances and found wanting." Shc stopped a moment, and then she repeated the "Found wanting!"
I dared not try to comfort her. I could only put my arms round her and hold her fast, while I kissed her through my tears. But her own eyes were dry.
For three months after that life went on with is in dreary fashiou. The most pitiful of al
her old self-with what vain endeavor she
strove to interest herself in all the old themes strove to interest herself in all the old themes to let her know that I understood the gentle hypoerisy, and was ready to weep with her; but I fancied the very effort she made might he doing her good, and I knews she was grateful
o une for keeping silence. When the days came round on which her lover's letters would have been due, had they been corresponding as of old, I always noticed in her an increase of restlessness. Often on those days she would take long, solitary walks, and come baek utterly exhausted from the conflict, but mistress of herself. I longed to have her talk to me, but she never mentioned MIarcus Glendemning's name after that first night.
So May went by, and June, and July. August came on with sultry heats. There had been little raiu throngh July, and the August hoarded water like gold. They brought it from a river four miles away for the cattle to drink, and the poor, dumb creatures, pasturin in parched fields, under pitiless suns, rushed after it with an eagerness in their eyes which seemed human. There was a good deal of illuess, but nothing that came very near us. Alice was not siek but she drooped uader the ervid heats perceptibly.
At last one day uny father came in and handed her a letter. It hore the familiar post-mark whieh sle had welcouned so many times; but it was in a strange haudwriting. For the first time Alice gave way. She shivered like one in an ague, as she put it into my hand:

Read it for me, Margaret. I have not courage to break the seal. I thought I was done with that place. What can any on
here want of me?"
"It is signed 'Jane B. Reynolds,'" I said flancing first at the last line
"Yes; Marcus has boarded with her for "ears. She knows me. Read."
It was only a few lines, to tell her that Mr Glendenning lay very ill of typhoid fever. The ever was prevalent in the neighborhood, and had assumed in many eases a malignant type Mr. Glendenniug was out of his head-bad been ever sinee he was taken, so she could not ask him for any direetions, bnt she felt that it was her duty to let Miss Aliee know, as the physicians said the chances for his recovery were doubtful.

She does not know that anything is chang ed between us," Alice said quietly, as I finished "eading.
"Thank God, at any rate, that it is not now "I "our dnty to go."

You, Alice?"
"Yes. I told yon once that I loved him better than anything else in the world; and hould I not be less than woman to let one had loved so well and so loug die withont me He need not know I am there. I can com away when he begins to get better; but oh!
nust go, for no one else will teud him as nust go, for no one else will teud
shonld. Do n't blame me, Margaret."
Blame: I should have hlamed an angel as soon. I begau collecting the things she would need, and packing them. If sometimes my tears fell on them I conld not help it. I wanted to go with lier, but she would not let me.She knew she was going into danger, and she was determined to go alone. What days those her promise to send for me at once if she fel the slightest symptom of illness; so while I did uot hear I knew that she, at least, was safe.
wo second week in September rain fell for east wind arose, for all through the drouth here had not been breeze enough to wave feather. The parehed earth began to revive.Tbe beasts leld up their heads. Men met each "Thank God!"
Three days afterward Alice camc home. sat quite alone when she came in, swiftly an silently, and clasped me in her arms.
"You have saved him, I know," I said, for I read it somehow in her face.
"He is saved! I do not know how much I helped. I thiuls but for the rain he must
seemed to bring him healing upon its wings. The doetor says he will do well now; and I could not
"And you, Alice, are yon safe?"
"Safe, dear, yes; but oh ! so tired. I shall be rested in the morning."
But when the morning came we knew what I had guessed before. The fever which she had heen breathing so long at Marcus Glendenning's bedside had stolen into her own veins, and come home with her. The doctor we sent for said that it had been coming on for some time, and excitement had kept her up. Now the straiu on every faculty was over the disease hegan to slow itself, and she was in far more danger from the fact that she had so ong resisted the attaek.
I knew when I heard those words that she would die, just as well as I knew it when the end came. But God knows how I tended her -as lovingly, I think, as auy mother ever urrsed her sick child-as faithfully as she had ended the man for whom she was going to die. From the incohereut mutterings of her rever I learned more than she would ever have old me of her wrongs and her suffering. I nderstood, during those long, slow nights through which I watehed her, how the iron had entered into her soul.
After three weeks of sueh watching there a a sunsel when I sat with her hand in me, and tried in vain to see her wasted face the tears which came between it and my eyes. I knew it was all over. Before the have no ueed of the sun by day or the moon hy night." These were the last moments I eould snateh from eternity. And the words I longed to say, the words I shonld wish I had said in many an after hour, would not come to my lips. I could only cling to her desperately, and weep those useless tears.
"Do not be sorry for me," she said, at last. "It is not sad to go beyond the toiling and the weeping."
Not for yon!" I cried bitterly, moved belife my own self-eontrol. "He made your fie so hitter first that you were glad to throw Gol ay, and then you threw it away on him. God will judge him. He has taken arway from
"I pray, Margaret, that God will judge him in mercy; and so must you. He will suffer to not reproach him, hut comfort him!"
'And I-who will comfort me for the only frieud I ever had to be heart of my heart ?"
"God will, dear;" and when she had said that, she lay silently, seeming to wateh the sumset elonds. Oh, if I had known how near the eud was! "God will," she breathed again through the silence; and then I know not how, the light faded out of her eyes. She had not kissed me or said good-by, but she was gone with the fading sunset. It was as if from those clouds had stooped the unseen messengers to carry her away,
Two days after she was buried Marcus Glenformer came to me, the wan ghost of his mony.
"My cousin Alice saved my life, and then ent away before I could thank her. I come to you as her friend. Will you tell me where
I rose and asked him to follow me. Swiftly I led him, waiting for no questions, across the fields mutil we stopped beside a netr-made grave in the shadow of a great rock.
"There she lies," I said. "Speak, and see she will auswe
Nay God forgive me if I was cruel! but I hought his heart was stone, and nothing less than this could softeu it. I was not prepared for the cry of mortal agony which smote upon ny cars as he knelt dowu and pressed his ashen hips to that grave.
${ }^{\circ}$ Dead! dead! and I can never in all time ear her say that she forgives me! Oh, if she had only left me to die
He seemed to have utterly forgotten my presence. I stood there, witness of his renorrse and despair until I, even I who had so her words

Proteon tie Trees.-The orchard demauds but little care at this season of the year, yet there is one point that owners of young orchards should not over-
oolk, and that is the injury which mice or rabbits may effect. A hint in season may be worth a great deal to some. There are several methods of proteetionlook, and that is the injury which mice or rabbits may effect. A himt in season may be worth a great ceal to some. There are sereral methods of proteetion; another method; a sliield may be formed by cutting cornstalks into pieces a foot or two in length and tying them around the base of the trunls with twine. another method; a shield may be formed by cutung cornstalks into pieces a foot or two in length and tying them around ihe base of the rrunt
Go out and examine your young orchards, trample down the snow close to the trees, and destroy the harboring plaees and roads of the vermin.

The Fatm and Fireside.
"He will suffer for it all, some day, and then, oh, Marg omfort him!"
"She did forgive you," I said. "She usel almost her last breath in trying to make me forgive you also. If she could speak tis you from this grave, she would bid you go in peace.
"I am worse than Cain," he groaned. " have killed the one ereature in this world who loved me. What devil possessed ine away the truest heart that ever beat?"
Then he got up, as if with a sudden recol leetion of his old gallautry toward women, which sat strangely enough upou him here a this grave.
"Grant me your parlon," he said; "I am intruding my feclings upon you. It is still so light perhaps you will not mind walking back alone aeross the fields? You have been kind, and I thank you; but I would wish to be here a little while by myself."

I looked back when I reached the corner of the ehureh-yard. He had knelt again by the grave with his head bowed over it. The dew was falling fast on him-the chill autumn night coming down. I was half tempted to return and try to persuade him to go home with me; but I shrank from iutruding upon him again, so I went on through the nightfall aud left hiun alone with the dead.

His night vigil did not kill him, for, though I have never seen him since I left him kneeling by that grave, I have read his name iu many a list of stoek-owners and moneyed men. I hear that he has never married. I have never learned the secret Alice guardednever understood by what wrong to her he broke the chords which bound them; but if ever I saw a man overtaken by au uutterable horror and remorse, and woe, I believe he was that man. Did she know it, I wonder, aud pity his uuquiet soul-she, lookiug back from the rest into whieh she had entered? God knows.

## sTORY OF THE NOSES

Ar Dewitz, in the neighborhood of Prague, there onee lived a rieh and whimsical old farmer, who had a beautiful daughter. The students of Prague, of whom there were at that time twenty-five thousand, often walked in the neighborhood of Dewitz, and more than one of them offered to follow the plough, in hopes of beeoming the son-in-law of the farmer.The first condition that the cumning peasant set on each new servant was this: "I engage you," he would say, "for a year, that is, till the cuekoo sings the return of spring; but if, from now till then, you say once you are not satisfied, I will eut off the end of your uose.I give you the same right over me," he added, laughing. And he did as he said. Prague was full of servants with the end of their nose glued on, which did not prevent an ugly scar, ancl, still less, bad jokes. To return from the farm clisfigured aud ridiculed was well calculated to cool the warmest passion.

A yourg man by the name of Corauda, somewhat ungaiuly in manuer, but cool, adroit and eunning, which are not bad aids in making one's fortune, took it in his liead to try the adventure. The farner received him with the usual good mature, and, the bargain made, sent him to the field to work. At breakfast time the other servants were called, but good eare was taken to forget Corauda. At dinner time it was the same. Coranda gave himself no trouble about it. He went to the house, and while the farmer's wife was feeding the chickens, uuhooked an enormous ham from the kitehen rafters, took a huge loaf from the cupboard, and went baek to the field to dine and take a nap
"Are you satisfied?" cried the farmer, when he returned at nirlt

Perfectly satisfied," said Coranda have dined hetter than you have.
At that instaut the farmer's wife came rushing in, crying that her ham was gone. Coran da langhed, and the farmer turned palc.
"Arc you not satisficd ?" asked Coranda. "A ham is only a ham," answered his master. "Sueh a trifle does not trouble me." But after that time he took good care not to leave the student fasting.

Sunday came. The farmer aud his wife seated themselves in the wagon to go to chureh, saying to Coranda, "It is your business to cook the dinner. Cut up the pieees of meat you see yoncler, with onions, carrots, lecks, and parsley, ancl boil them all together iu the great pot over the kitchen fire."
"Very well," answered Corancla
There was a little pet dog at the farm-house by the name of Parsley. Coranda killed him, skiuned him, eut him up with the regetables, and put the whole to boil over the kitehen fire. When the farmer's wife returued, she called her favorite; but alas! she saw nothing but a bloody skin hangiug by the window.
"What have you done?" said she to Co randa.
"What you ordered me, mistress. I have ooiled the meat, onions, carrots, and leeks, aud parsley in the bargain."

Wieked wretch!" eried the farmer, "hact you the heart to kill the innoeent creature that was the joy of the house?

Are you not satisfied? ? said Coranda, tak ng a knife from his pocket.
"I did not say that," said the farme lead dog is nothing but a dead dog." But he sighed.
A few days after, the farmer aud his wife weut to market. Fearing their terrible servant, they said to him, "Stay at home, and do exactly as you sce others do."
"Very well," said Coranda
There was au old shed in the yard, the roon of which was falling to pieces. The earpencrs eame to repair it, aud began, as usual, by teariug down the roof. Coranda took a ladder and mounted the roof of a house, which was quite new. Shingles, lathes, nails, and tiles, he tore off everything, aud scattered them all to the winds. When the farmer returned, the house was open to the sky

Villain!" said he, "what new trick have you played me?"

I have obeyed you, master," answered Co randa. "You toll me to do exactly what I saw others do. Are you not satistied?" And he took out his knife.
"Satistied!" replied the farmer ; "why should I not be satisfied. A few shingles more or less will not ruin me." But he sighed.
Night came; the farmer and his wife said to eaeh other that it was high time to get rich of this iucarnate clemon. As is always the case with seusible people, they never did anything without consulting their daughter, it being the eustom in Bohemia to think that children al ways have more wit than their parents.

Father," said Helen, "I will hide in the great pear tree early in the morning, and call like the cuckoo. You cau tell Coranda that the ycar is up, since the cuckoo is singiug; pay him; and send him away."
Early in the morning the plaintive cry of the cuekoo was heard through the fields. The farmer seemed surprised. "Well, my boy, Spring is come," strid he. "Do you hear the cuckoo singing youder? I will pay you, and we will part good friends."
"A cuckoo!" said Corauda; "that is a bird whieh I have always wanted to see.
He ran to the tree and shook it with all his might, wheu, behold! a young girl fell from the branches, fortunately more frightencl than huit.

Villain!" cried the farmer.
Are you not satisfied?" saicl Corauda, opening his knife.
'Wretch! you kill my daughter, aud you hink that I ought to be satisfied. I am furious. Begonc, if you would not die by my hand."
"I will go when I have eut off your nose," said Coranda. "I have kept my word; do you keep yours.

Stop!" cried the farmer, putting his hand before his face. "You will surely let me rem my nose?
"It deponds ou what you offer," said Co.

Will you take ten sheep for it?"
No.
"No cows I would
"nd rather cut off your nose." "Father," said Helen, "the the door-step.
"Father," said Helen, " the fault was mine;
belongs to me to repair it. Coranda, will

## you tak

## 'Yes," replied Coranda

I make one condition," said the young gir "We will make the same bargain; the first of us that is not satisfied after marriage shall have his nose cut ofl by the other
"Good," replied Corandla, "I would rathit was the tongue; but that will come ext."
Never was a finer weddling scen at Prague, and never was there a happier household. Co randa and the beautiful Helen were a model pair. The hushand and wife were never heard o complain of each other; they loved with drawn swords, and, thanks to their ingenious bargain, they kept for long years hoth their love and their noses.-From Edouard La boutaye's "Fuiry Tules of All Aations."

THE WOONSOCKET AGRICULTURAL SOCIETY At a meeting of the Trustees of this Society held in Woonsocket on the 18th of January 1867, the following Resolutiou was passed by unanimous vote:
Resolved, That we reeognize in the "Faby nd Fireside," the new agricultural journal just commenced by S. S. Foss, of Woousocket, a valuable aid to our Society and its ob ects, and to farmers and lorticulturists every where. Therefore, we cheerfully aud earnest recommend the said joumal to the generon patronage of the agriculturists of Rhode Island nd the arljourning States.

Arlon Mowrx, Secictary pro tem
Adorn Your Homes. - Some one writes both gracefully and forcibly: "I would be glad to ee more parents understand that when they spend money jucliciously to improve and adom he house aud the grounds around it they are in effect paying their children a premium to stay at home as much as possible and eujoy it; but when they speud money umeeessarily on fine clothing and jewelry for their children, they are paying them a premium to spend heir time away from home-that is, iu those places where they eau attract the most attenion and make the most display.."

The Massachusetts Horticultural Soeicty wns $\$ 270,000$ worth of property, aud its iucome last year was $\$ 30,350$.

Y1ue 㨄arluets.








Aduertising: 物epartment.
Rhode Eslamd.


|  |
| :---: |
|  |







Massachusetts.



A Lady Agriculturis?. - The Newburg Journal has the following notice:
gence and culture, has gone quite extensircly into the eulture of fruits and rines
"Miss J. L. Wariug, of Amenia, Dutehess county, New York, a laciy of intelligencc and culture, has gone quite extensircly into the eulture of fruits and rines. She hias invested upwards of forty thousand ciollars. She cultivates only the choieest varieties, and has several large and well construeted louses for the propacation of foreign and delicate rines. She has a large number of rigorous and
thrify out-of-door growth. Miss Waring is the nost extensircly engaged of any lady, so far as we are aware, in an occupation which is a fivorite with
the women."

Flue Staok 焦ard．


CARE OF STOCE IN WINTER．
Writen for the Farm and Fireside，
If a store animal receives food barely suffi－ cient to kecp up its auimal heat，mithout gaiu
or loss，it is manifest the owucr is losing，daily， just the worth of the food eonsumed and the labor of tending，deductiug the value of the manure．If the same animal diminishes in
weight，the loss is the full worth of the food weight，the loss is the full worth of the food
consumed，and，in the language of another，he ean say，－to make an actual profit on the ani mal，he unst increase in weight，so that the pounds of gain，together with the excrements， shall be worth more than enough，at curren
value，to pay for all food and the labor of tend ing：and the surplus thus obtained，is the ac tual profit．With milch cows，workiug horses and oxen，and breeding sheep，the case is dif－
ferent．They may yield their owner a profit in other ways，as in milk，labor or wool．The profit of a milch cow is the surplus value of her dail＇y produets，increased by the value of
her exerements，over and above the value of her food，and the labor of teuding and manufacturing of the mills into butter and cheese．And the profits of the full grown ox，
or horse，is the surplus value of his labor aud excrements over aud above the value of his tood and labor of tending ；and the profit of the sheep is the supplus value of his wool，ex－ the worth of food and labor of tendiug

## the worth of food and labor of tendiug．

Now，if the above items are correct，the
farmer who allows his young stock to remain farmer who allows his young stock to remain
stationary at any time in the year，or just hold their own，is actually losing the full value of the food consumed，aud the labor of tendiug， less the value of the manure．The milch eor which barely pays the expense of keeping and care，is a＂dead head，＂yielding no profit．So
of the ox，the horse or sheep．To make stock pay，in any of its departments，each animal must return an income in weight or size，o make some return that the caleulating farmer may say they＂pay．＂Some animals do not pay one farthing，and it eannot be done by the out for erorr bait；or，to serve a better pur pose，placed in the compost heap；aud there are many others that might yield a profit，hut do not，and who is to blanie？The owner， and him alone．Cold barns，a seanty supply of good food，aud water obtained by a long walk，are too often the rule rather than the ex－ ception．Such cattle come from the barn in to it in the Fang less than when they wen to it in the Fall．This subject of keeping
stock through the Winter，is one of much im－ stock through the Winter，is one of much im
portance；and those farmers who caleulate to make stock raising pay，will see that such good care is taken of the animals through the Win－ ter that they will gain iu flesh and come out vigorous in the Spring．This is the only course that pays．

## Feeding Sulpnur to Stock．－Many farm－

 ers allow their cattle，as well as their fowls，to get overrun with lice．Brother armer，if you wish to see your stock come out in the Spring sleek aud in good eondition，set yourself to work at once．Purchase a pouud of sulphur， and mix it with the salt you give your eattle， at the rate of one pound of sulphur to six of salt，aud see if it does not start the lice．To hens it answers the same purpose，freeing them of lice，and it is safer to use than Kerosene oil，unless diluted．If your hogs lose their appe－
tite，take some ears of corn，and boil them， nd whe wet，roll them in sulphur，and gire eign remedy for loss of appetite and other dis－ eases that swine are subject to．
January， 1867.

## SHALL I SELL IIY EITTTLE FARM ？

Farmers and mechanics as well as profes sional men，with comfortable homes in the country，are constantly tempted by the idea of making more money，to abandon old friends， old associations，and old habits of life，and seek to better their eon
cities and large towns．
Passing by，for the present，the sacrifice of home feelings and enjoyments which every man of mature age surrenders whenever he changes his accustomed home，we will now look only at the financial side of the question， nd see what a man，on New England it and goes to dwell in the town or city．We are always complaining that we get nothing from our farms，aud we facy if we could ou y get somewhere where money is more abund aut，where wages are higher，where there is morc going on，we shall have some chance be rich，and live uore independently
Perhaps there has never heen a time when， on this country，a farm，or even a field or gar len，contributed so much to the independence f a family of moderate means as in these imes of high prices．The reason is obvious． It is because all that we buy，whether rent，or uel，or provisions，costs more than ever be－ ore，and all that we do by way of labor，pro You say you get little or nothing from yo arm．．Let us consider the matter and see whether we do not underrate the profits of the homestead．In the first place，you get your rent，au item of which farmers hardly think． Go to any large town，and such a house as will be respectable for your family there as our preseut one is here，will cost you in rent some four hundred dollars．It may be newer and nicer than the old homestead，but it will he uo more comfortable or convenieut
We say nothing of its being in some narrow， noisy street，where you do not know your nearest neighbor，aud where you must hire watchers in case of sickness．That belongs to he seutimental side of the question，which to－ day we leavc out of sight
Next，your farm gives you your fuel，－yo do n＇t know how much，for you never had o casion to measure it．A farmer＇s faunily of half a dozen persons cousumes yearly from ten fifteen cords of wood at least．Less fuel rould suffice in the city，with a liberal outlay or furuaces，patent stoves and heaters；but with coal at ten dollars a ton，a ton being equivalent to about one cord of the best of hard trood，when kindlings are paid for，anoth－ er hundred dollars would be used up．
A cow or two affords the farmer all the but and milk he can use for his family．A ound of butter a week for each member of the family is a fair estimate，aud at fifty cents pound we have for our family of six，three collars a week or $\$ 150$ a year，and if we add wo wiue quarts of milk daily，at the city price of ten cents，we have $\$ 73$ more．
A small patch supplies you with potatoes，of hich you require some thirty hushels，which will cost you at retail prices as many dollars lthough if you want to sell them at your farm they will hring much less，there being two or three profits between the producer and the city consumer．
A few trees supply your apples，worth four or five dollars a barrel if you buy them．And any ordinary garden gives the family vegeta－ bles fresh in summer，which the city will not at any price．
The small matter of currants and raspherries， and strawberries，aud pears and grapes，all be come large matters when paid for iu money．－ The fowls that give abundauce of eggs，and a supply of poultry，for Thanksgiving and Christmas，seem of little account till reduced to a speeie basis；and two or three porkers grow up with little cost，aud in autumn are worth
thus our hills for pork and lard and fresh meat
In the comtry，everyboajy has a horse．Wc care little about driving，perhaps，but the boys and girls，at least the boys，ought to learn to ride and drive，and they do that and learn how to tend the horse and cow without going to an agricultural college．In the city or torn，only men of wealth ean afford to keep horses，and hiring them at stable prices is alnost as expen－ ive．
o，brother farmer，when you have got into your hired house，with never a wood－lot，nor a garden，nor a potato patch，nor a cow，nor a hen，you may also set it down that you can have no horse ；and if you，however prosper－ ous in money matters，do not sigh for the flesh－ pots of the old homestead，come up to the Fapmer office and tell us the other side of the story．－New England Farmer

## 过aluable 推ints．

Cheap Paint for Bolldings and Fenoes． Prof．Tillman，at a late meeting of the New York Farmers＇Club，said：Some questious haring heen asked about the best out－door paint，I would recommend，as the cheapest and neatest covering for feuces and rough work，a mixture of lime paste and skimmed nilk．The best preparations would be made oy mixing lime with curd，and using milk or whey for diluting the mixture．The reason why this compouud will make a more perma－ neut wash than ordinary whitewask is，that the coagulated casein iu curd is dissolved in solution of any alkaline earth，and the com－ pound is not soluble iu water．Glue cau be mixed with a lime solutiou；but it will not re－ sist the action of water，and it slould not b used on surfaces exposed to rain．

Sharp Shod．－It is eeonomy to keep horses sharp shod．They not only do more work， but require less food．If sharp，a horse works easy and fearless．If smooth，he endanger himself and rider or driver，and works iu fear and with greater exertion of muscle．Conse－ quently，he needs more food to supply the maste．It is uot good economy to keep a smooth－shod horse in icy weather．By chang mg the nails of the shoes every week，they can be kept＂rough－shod＂without steel corks．

Paste for Ready Use．－Mueilage made rom gum arabic is good for many purposes， but rather costly．A cheap kind，and better adapted for pastiug unsized paper，is made of gum tragacanth．A few cents worth may be procured at a druggist＇s，and will last years． Place a stratum of the gum half an inch thiek in the bottom and fill it two thirds with rain－ water．In a few hours it will be ready for use， and will last several weeks iu hot weather without injury．

No Grindstone should be exposed to the reather；as it not only injures the wood－work， but the sun＇s rays harden the stone so much as n time，to render it useless．Neither shonld it un in water，as the part remaining in the wa－ er softens so much that it wears away faster than the other side；aud many a＂soft place a stone has arisen from this cause alou and not from any inequality in the grit．

Ротato Poultioe．－Where there is the ne－ cessity to use a poultice，no person who has nce experienced the comfort of a potato poul－ ice，will again use bread．It is light，and keeps hot a long time，ean again be re－heated， and，more thau all，does not moisten the gar－ ments or bed－elothes which it comes in contaet with．．Pare and boil the potatoes，strain，and then mash them with a fork over the fire． Put them in a bag，and apply the poultice as hot as the patient cau bear it．

Farmers should not neglect to give their horses proper exercise．Do not suffer the horses to stand the whole week in the stable， but give，at least，one hour＇s exercise daily．
Give sloppy food at least twice a week，an
throw a lump of rock salt in the manger．

Watural Histary．

## ATMOSPHERIC INFLUENCE UPON FISH

From the nature of the element in which
 ouomy of fish．They are quite voracious， nd many of the species prey indiscriminately upon everything that is digestible；and，in turn，man preys upon them．Undouhtedly they are affected by atmospheric changes，and the inherent difference existing betreen then and other living creatures，whose pursuit and capture are made the object of amusement，de－ serves careful attention aud study．
ondent of the Loudon Field writes
＂We all know that the conformation o fishes，their method of procreation，their hab its，their times aud manner of feeding，drc．，
differ very widely iudeed from that of birds and beasts．Now we have much greater facil－ ity for observing the labits of the latter，by reason that we breathe the same atmosphere， we can follow them to their hiding－places， watch their ins and outs，and so far study their various instiucts，as euable us at all times and in all weather to succeed in their capture We know that they must have a regular and eonstant supply of food，what kind of food suits them，and that they will invariably be found in search of this，and as iuvariably take it when fouud．We have not，nor ever can have the same facility for diseovering the hab its of fishes．We go to the river and capture them with a certaiu liue；we go again，weath er aud water apparently the same；we offe them the same lure，they refuse it in toto，and maybe every other one as well ；we call then capricious（I am now more particularly allu－ diug to trout）．Now，had we been particular iu observing ou the former day，we should have found the lure，or something resembling it，was in plenty on or in the water，on the lat ter day not there at all；for I have found that in almost any kind of tweather，when their nat－ ural food is plenty and within reach，they wil be found feeding thereon，and may be captured more or less by the experienced fisherman．－ That fish，like birds or animals，may be acte upon iu a way that we（although more highly organized）have no notion of，I readily admit； very likely this is wisely ordered for their pre serration；but I am strongly inclined to think that their so－called capriciousness，is less from durect atmospheric action than absence of suf－ ficient food to tempt them．Some years ago， when fly－fishing on a rather cold day in the month of April，a bright morning，with no suc－ cess，was followed by a heavy snow storm in the afternoon，which lasted some time．Soon after the snow began to fall they rose fast and furiously－a rise almost every cast－a good dish of fish the result．Almost as soon as the snow ceased falling the fisl ceased to rise．－ Since then I was with a friend out on the same stream，on a hot summer day；a low bright water，no sport，when suddenly a thunder storm came on with heavy rain．My friend sought shelter；I was ahout to do the same， when，observing a rise，I gave another cast－ had a fish．The faster the ram poured，the faster the fish rose，and scarcely ever in so short a time have I caught so many fish．The rain cleared off；they ceased rising．My friend laving missed the sport，said something not fit for ears polite about the capriciousness of the fish．Now，there was no capricious－ ness，nor forecast，nor direct atmospheric in－ flueuce in the matter at all；the food was over or about the water；the snow in the oue in－ stance，the rain in the other，heat down into the water sufficient to lure them to feed there－ on；and did we sufficiently notice，should we not find that what we call forecasting in fishes， is nothiug more thau this－that some peculiar state of the atmosphere previous to rain，pre－
veuts the production of their food iu sufficient quantities to lure them from their holds to teed？more particularly as we know that they can exist without any solid food for a much onger period than the denizens of the land， without suffering much in condition thereby．

Better be honorable and despised，than to
Better be honorable and
be despicable and honored．

Tife Farm and Flreside is devoted to Agriculture，Hortieulture，Stock－Raising，Rural Architecture，Market Iutelligence，Literature and the Arts， has a corps of agricultural writers of reputation，and the aim of the Publisher will be to make a journal eminently practical，and of evely－day value to its
readers．The Literary Department is intended to instruct and amuse the farmer＇s better half and his children．Nothing will be published offensive to good morals．In all its eolumns this journal will advocate the hest interests of the farm and the fireside．Terms－$\$ 2,00$ per year，invariably in advance．


## IThe frielt.

## THE WHEAT CROP, AND ITS CUITURE.

Written for the Farm and Fireside,
Seed.-The selection and proper kind of seed
is, of course, the first cousideration in treating on the above subject; and is, of itself, a sulhject whieh, to cousider in all its details, would
require more space than can be afforded to one correspondent; but I will endeavor to point out some of the most important items in the selection of the sced.
During the last few years a new requisition has been addel to the already long list of the requircmeuts of a "perfect secd wheat," viz
that it must be proof against the midge, our county (Chester) we lave but turee kinds of wheat in general cultivation, viz: Blue Stem, Mediterranean, and Red Clati; all of
them red wheats, and all liable to the attacks of the midge to a greater or less extent, according to the time of growing. In some few sections we Lave the White Mediterranean and
Early Bowden or Boughton; either or hoth of thesc are much less liable to the attacks of the - midge.

The White Mediterranean, if sowu at the same time, will ripen alhout onc week in adrance of the common red kinds, and in some seasons has hardeued its grain before the midge
has commenced its ravares; and hence has of Las commenced its ravages; and hence has op-
ten wholly or partially escaped the usual effect of this pest on the red wheat. As far as my - own experieuee goes, I am satisfied that, learing the ravages of the midge out of the ques-- tion, the extra priee whieh it (as a white wheat) will command in the market, will not counterbalauee the increased amount per acre which the red wheat will produce; lute on strong ground, with plenty of manurc, the white
wheat will often do best, because having a Wheat will oftien lo best, because having a
short, stout straw, it is less liable to lodge hefore filling.
The Early Bowden, when grown with red wheat usually ripens its seed about two weeks hefore the latter; and further possesses a peculiarity not uneommon with other white wheats,
that of not leing easily shelled out hy long standiug. Tro years ago, owing to the favorable season, my whitc wheat was fully ripe at least twelre days beforc we were through the ' hay harvest; aud although it was allowed to staud, it did not "shell out" as much as the adjoining red wheat, cut immediately atterward. This faet would, of eourse, lead us to sappose that it is more diffieult to thrash, which will
be found to be the case.
While wc are in danger from the midge, I would advise the planting of whitc wheat; but if out of danger from this pest, the red Mediterranean is my choice. The hlue stem is less liahle to lodge, hut though looking well at harvest, I do not fiud it to yield in bushels as well as the red Mediterranean; but on other
soils it may do better than I have given it credsoils it
it for.

No matter what kind of wheat may he used for seed, let it he fully ripened, plump and heary; run it through the fau with a quick motiou, and heary hlast, in order to blow over the light and imperfect grains, Iî more carc
was exercised in this oue particular, I have no Was excreised in this oue particular, I have no
doubt we might raise the weight of our wheat three or four pounds per bushel; and instead of from fifty-eight to fifty-nine pounds, might reach sixty-three or sixty-four pounds per bushel.
The next item for our considcration is the preparation of the ground. This at ouce hrings up the long vexed question of "plowing twice for wheat," the economy of which
has so ofteu been discussed. From my own has so ofteu been discussed. From my own
experience, I have strong donhts of the economy of the practice, when henefit to the wheat crop is the only consideration in view; yet I would practice it as far as possible, on account of the benefit which it produces in the ensuing crop of glass.
If the grouud is put into proper order, $I$ have never heen ahle to detect any difference hetweeu the whecut ou ground plowed once, and
that plowed twoice; but can, in some seasons, that plowed twice; but can, in some seasons, detect quite a difference in the ensuing grass
crop. The main advautage in the second
plowing, in my estimate, arises from the fact that it emahles us to cover the manure in a betin other worls, enahles us to plow deep without covering the mannre to the same depth.To do this properly, the ground should he thoroughly plowed immediately after the remoral of the oat erop; a deep, narroxs furrow may then be turned, and if mate ten inches
deep and six inches wide, instead of six inches deep and ten wide, no harm will ensue.After a thorough harrowing aud rolling, the manure may be hauled out and spread, aud just before seeding-time, turned uuder hy a shallow furrow, not more than five or six iuches deep. This will not ouly fulfill all the re-
quirements of our best authorities, for the quirements of our best authorities, for the time leave the ground in a condition whicl will require but little labor for a thorough preparation of the soil for wheat.
Many of the advocates of a secoud plowing lay great stress upon the argument that the extra lahor of preparing the ground when the ground is plowed but onee, will morc thau pay for a secoud plowing; hut if there are clods in
a well-plowed field which cannot be mastered a well-plowed field which cannot be mastered by a roller and harrow, there is something bly the ground was plowed too wet.
Next in importance to the preparatiou of the ground, is the manner and time of putting iu the seed. At this late day it is scarcely worth ny wiile to euter into an argument to prore a adrantage of "putting iu" this crop with cast systeun, and fortunately they are growing more and more searee. If no other argument could be used that of the saving of seed would be sufficient to induce most of those who are
now in the practice, to continue in their well doing.
With regard to the proper time for sowing, we cannot do better thau to hear in miud the old adage of their heing " always safety in a mean, and avoid sowing too early by not
sowing too late. If we sow too early, we are in danger of the fly; if too late, we will prohably get more than our just share of the rava-
ges of the midge; by too great a desire to aroid Scylla, we may readily fall into Charyb dis. I might, like others, fix a date as proper for putting in the seed, hut the date or day proper fort last season, may not do for nest, may not suit many of the more distant subscribers of the Farm and Fireside.
With regard to the proper time for sowing, no fair rule can be given ; mine is, to have my field ready early, and let a few of my most amhitious neighbors plant first; this is the ouly afe rule which can be laid down either in put ting iu wheat or iu any of the farn operations,
hut, as our critic says, "if" $\alpha l$ followed it, the rule would not work very well."
Another nuch disputed, and still unsetlled question is, the proper amount of seed per acre, which varies from Frederick Hallett's one cushet and a hriends two and a half bushels for one acre. Onc thing caunot be doubted, viz: that we very imperfectly understand the tillering powers of wheat, and to what extent it may ho priments years been tried at Brighton, England, by Frederiek Hallett, we can hardly see to what limit they may yet be carried. He, by "careful breeding," is able to plaut his immense fields with a sed every nine inches in rows nine inch-onc-half hushels per acre, aud reap a produc double that whieh most of our best farms will yield; while Smith, of Loui Weedon attained the same result by laying his field off in still wider
After a fair trial in a ten aere fiell, by commencing ou one side with two hushels per aerc, and gradually decreasing to three peeks, I could detect no difference in the yield. Most
farmers iu my neighborthood prefer one bushel and one peck, as near as possille ; and though more seems to do no harın, less will do. Very
often in crossing the headlands we get iu double this quantity without perceiving any in crease or decrease in yield.
cussion will he more appropriate, I will further
allude to this important question in the cultivation of wheat.
Chester County, Pa., February, 1867.

## too much Land.

The great trouble with most farmers is, that they constantly hanker for more land, till they get morc than they have the eapital to manage profitably. Farming requires more or less capital as well as any other business, and the ize of a man's farm slould depend very much haud. If he has little or no spare capital over and above his own time, and the labor of his own hands, a very small farm will be more profitable than a large one, hecause he will concentrate his labor upon a few acres, bring them profit, and save the expense incidcut to a large tract of land, is which necessarily unproductive comparatively. A man who has little mor than his own hands, who has not the ready means to hire extensively, and the eapacity to direet hired labor so as to get the greatest re turn for it, will make more, a good deal, by concentrating his time aud his fertilizing mate rials upon five acres thau he would to spread them over a hundred. He cau cultivate, manure and manage three to five acres well. If he attempts much more, a part must be neg lected, and his returns will be small compared with what they should be. Does not evcry
day's observation prove this to be so? Do not day's observation prore this to be so? Do not the illustratious of coueeutrated efforts which prove it to be so?
Therc was a mechauic in a town not thirty miles from Boston, a carpenter, who found that his heallh was suffering iu consequenee of his close application to that kind of work, who vent aud bought a little piece in the outskirt of the town, and began to raise vegetahles for the mariket. It was but a few aeres, scarcely
enough to be called eren a little farm. He eultirated well, of course, and manured very highly, keeping an exaet aecount of all his opera tions. It is needless to say that he made money, more, by a large per cent., that lie had made by lis trade, aud he was alle to show how he did it. It was by stuffing in the manurc, by deep and constant tillage, by an absolute freedom from weeds and waste places, hy making the most he knew how of every foot of land that he gave his time to. Now the
fact is, farmers, as a general thing, don't do as well as they know how. Why? Because i a vast majority of cases, they ean't. They have so much laud, all of which demands more or less of their attention, that they are compelled to come far short of even their own ideas of what ought to he done, uud so they go on year after year scatteriug their energies, ing illustration of the homely old maxim, tha "rolling stone gathers no moss."
But for auother iustance of the same thing There was a man in Essex county who cultirated every year about foniteen acres of on ions. He made a husiness of it, devoted his time, his thougilt, aud his energy to that crop as a specialty, raising on an average about fire hundred bushels per acre. He kept the run of the crop iu other seetions, so as to be able to judge of the priee, aud how to take the advantage of the market. Nearly every year wheu the crop was in eondition not to demand his entire time, he would visit Wethersfield, and other parts of Connecticut aud other ections where the crop was largely cultirated, to learn the prohahlc extent of the yield. If it was likely to he large, he could lurry his crop to market before it beeame glutted with onions, if it was likely to be small he would hold over till spring, or till the supply was exhausted, and then command his own price. With six or eight thousaud bushels, which his fourteen acres yielded, he could afford to do his, and he made a heap of money by it, while
with only a ferw hundred bushels he raised as with only a ferw hundred bushels he raised as
part of a great farm crop, it would not pay.
This same farmer made another specialty o squashes. He huilt a squash room with shelve arranged along the sides for receiving squashes
paratus by whieh he could regulate the temperature. Nearly every day he would pass through this room examining the squashes to see if they were beginning to deeay, and if they were, sueh specimens were hurried off to market. This room was so arranged that it would preserve squasles, and the owner eould keep them till the supply in the market was exhausted, and theu comuand his own price, and he made money on this crop. And so it is generally. If a mau makes a specialty of something, concentrates his thoughts upon it, studies it till he is complete master of that one thing, he does it better and makes more of it than if his time is divided, and his labor spread over too much land.-Mass. Ploughman.


## POULIRY ITEMS

Martin Doyle, the cottage economist of Ireland, in his "Hints to Small Holders," observes that a few cocks and hens, if they be prereuted from sctratcling iu the garden, are useful and appropriate stock for a cottage, the warmilh of whiel causes hens to lay eggs in winter-no trifing advaurage to children when milk is scarce. The French, who are extremely fond of eggs, and contrive to have them in great abuudance, keep their heus so warm that they lave fresh eggs even iu winter. Now, in our country, in a gentleman's fowl yard, there is not an egg to he got in cold weather, but he warmth of the poor man's cabin insures him n egg eren in the most ungenial season.
It has generally heen supposed that there would be a great difficulty in rearing cliekens latehed in February aud March ; on account of the cold, hut, with proper accommodations and couveuienees, we have fould it more ceraiu than those hatched in June. Many persous fail iu raising chickens for want of a little attention to then at this season of the year.
Some of the early laying hens will begiu to show a desirc to incubate, and if carly ehickens are desired, it is best to humor this propensity and let them sit. See that they have selected a safe and warm place, where they will not be disturhed by other hens depositing their eggs to the general fund. Eleven to thirteen egss, as fresh as possible, should be given her, aud a date, 21 days in adrance, slould be marked in a conspieuous place on the nest box. To have the poultry-yard profitable, the fowls should not be kept until they are old. There is no objeetion to preserving a favorite cock, so oug as he is active and lively, but hens after three years will not produec as mauy eggs as hose of one or two years. Much, however, is depending on the breed kept, so far as good ayers are coneernel.-C. N. Boment.

Does Keering Hens Pay?-To this question the Claremont (N. H.) Advocate furnishes the following practical answer:
"Mr. James Baker of this town has handed is some figures showing the net product of his "heuery" for the past year, whieh may auar solution the question, Do hens car 118 layers-to feed whiel it cost him 895.32. As a return for his outlay he credits his little flock as follows: Amonnt of eggs laid, 335 doz.; number of eggs sold, 1314 doz.
Value of eggs sold..................... $\$ 298.00$
Hens and clickens sold..................28.00
Expense of keeping.
....95. 32
Net iucome.............................. $\$ 230.68$
Stock of hens now on haud, 125-which he alues at \$25 more than his last year's stock. The hreed of hens which have thus rewarded Mr. Baker for the good care he has taken of them, is the White Leghorn, which have the eputation of being everlastiug layers, no displosition to set, small eaters, lay steadily through he winter, no ramblers, and their eggs are fair and large."

If men were perfectly contentel, there would o longer be any activity iu the world.


The thatse.

## THE CHECK REIN FOR HORSES.

Tue following extracts, on the use of the clicclk reill for horses, are from a pauphlet re cently published by the Society for the Pr vention of Cruelty to Animals:
The check rein may probably be of some use in "treaking a coll," and may perlhaps help to "get up lis head" until he has been "taught his paces;" but, after, it cau answer jibe freting the corners of his moutl, wasting his strength, huring his wiud, injoring his sight, lessening his speed, abridging his ser vices, shortening lis days, throwing liim down and breaking his knces. All these, it is fearlessl $y$ asserted, often procced from the us of this cruel appendage.
When loose, the horse's neck is usually extenuled as straight as his back ; in this manner horses would generally work. It is the natural position, aud the ucarer we approach to it the better for the animal, for he is theu at his
case; and though hittle remeurbered, his pulmonary action, or breathing, uniupeded. I is absurd to make a bend or augle (if at all acute or sharp) in a water pipe or hose ; so it
is absurd and cruel too to bend back out of is absurd and crucl, too, to bend back out of its natural line the wiudpipe of the horse by
the use of the checes rein. In the former case a full volume of water cannot be obtaiued: in the latter, the tree breatining of the aniunal, so essential to its coulfort, and even to its life, is
hindered. The effect of restraining a horse by the check rein is to prevent him from geting up to the collur. If the bit is in the least degree affected by the check rein-in other words, if it not entirely louse in the monththe loorse is checked, and, besides being kep fron the free exercise of his streughth, he is
prevented from leaning the weight of lis boly inno the collar.

There is one infallible proof, eonstantly ob tained, of the crueity of the use of the check rein and of its injurious effects, thongh we bcheve very few persons are atrare of it. Whenever a horse has heen worked with a tight check rein, the corners of his moutlı becoun raw, inflaume, fester, and eventually the mouth
becomes cnlarged on each side, in some cases
it to the exteut of two inches. Even before the bit has proluced those visible effects, if thi corner of the month under the bit be touched, the animal will fliuch as if from hot iron. Let this be the sigu with every master aud serraut To what are thesc enlargements attributable What causes them? Nothing but the friction of the bit in the effiort of the horse to get up to his work. How dreadful to see a horse, heavy laden, his ueck bent into a perfect curve, his mouth open, his eyes ready to start out of their sockets.
Kind Treataent of a Horse and its Reward. - We a arc so frequently called upon to record acts of cruelty by teamsters, that it is pleasure to publish the following:-
Thursday a team belonging to Bowers, Pratt \& Co., heavily loaded with irou, while passing through Congress strect, became imbeded in the snow. The humane driver, instcad of kasling lis horses, procured a shovel aud cleared away the snow from the runners, then steppiug up to the shaft horse, he said, 'Now Billy, we are in a bad fix; do ally you eau-wil the appeal, rubbed lis head against the drive as if in assent. The team was successfully started without a blow being struck. A well known gentleman in State street, haviug wit nessed the seene, was so pleased that, ou re-
turning to his office, he immediately addresse turning to his office, he immediately addressed a note to the owner of the team, enclosing a ten dollar bill, wilh a request that it be give -Boston Traveller.

Farmers' Hiniscellany. $^{2}$
UTILITY of Agricultural papers.

Ecovomy is a nost conmeudable trait in any individual, or in any calling or profession; but especially is it cssential to the farmer. But the farmer, in his liudable olservance of this important principle, should be oin his guard, lest his economieal prropensities sloould degenerat into parsimony-the meanest of all passions. Economy, in the general acceptation of the teru, implies a judicious cxpenditure of means or money; or their expenditure for such purposes and in such amonnts as will result in the greatest good. It would not be ccouony for he firmer to refnse to pay out a dollar, when it would return him a profit of two; on the
contrary, it would be the height of folly. It is miversally admitted by all intelligent and hiuling minds, that good, ably conducted agricultural papers are most importaut aids to lie fatmer ; and that un wise, or progressiy farmer will attempt the management of cren
the suallest farm without the assistauce of one or more agricultural journals. A farmer will often obtain information upon a single subjeet that will benefit him fir more than the yearly cost of the paper; yet he will have fifly-two such papers, eaeh treating upon a great variety of subjects. Then these periodicals come
to the farmer at the precise time when he requires the informatiou-for each number troats apon work appropriate to the season. When lie farmer consults special works or books upou any subject, lee obtaius but onc man thoughts or knowledge; but the periodical contains the combined wisdom of many miuds Iu a multitude of counsel there is wisdom.
The wisest faruer cannot know all that may The wisest faruer cannot know all that may de knowa. The able agricultural journal is the cdge of its numerons patrons and contributors -a treasure-lnouse, where the furmor may seck or riches with eonfidence aud hope. We know it is said that a man may have too unuel
of a good thiug. We thimk, however true this old adage may geucrelly prove, it canuot hold rood in regard to agricultural journals. W are satisfied that any farmer of moderate prac liee will be benefited far beyoud their cost, even if he should subscribe aud pay for half-adozen of the best agricultural jouruals in the country-providing he reads and practices their teachings. His profits would be greater the year's end.
Now we want 10 say to every farmer in paricular, when asked to subscribe for the "Fara axd Fireside," do n't say, "I would like it, but I take so mauy papers now, I canuot af ford it." Sou cannot afford to do without it. Your two dollars will return to you four-fold. Not only subscribe yourself, but ask your ueighbor, and ask every man you meet at home or abroad. If they refuse, show them he superior merits of the paper-its neat and unique style-the fine, white paper-its clear print-the amount and quality of reading.voted to advertisements, aud one-half of tbe remaining fourth to a list of premiums to canvassers, like some "popular" journals, this enire space is filled with useful and interesting matter; and sucin a paper is furnished cvery
week for the extremely low price of two dolweek for the extremely low price of two dolFriend Foss, of course, knows his own business best; but it is certain that, at the present exorbitant prices of printiug material, such paper camot be afforled at such a price unles iberally sustaiued. Doubtlcss he placed it a this extremely low price, under the impression that the farmer and citizens generally-espec
cially all public-minded men-would feel an interest and pride in the enterprise, suffcieut o give it a liberal support. Farmers, at least, ought to fecl some pride iu having a well-conducted journal, levoted to their particular iuterests, in their own neiglborhood. It will be greatly to their intercst to have such a home paper to advertise their wants and wares, to say nothing of the greater value of its teachiugs. The "Farm and Fireside" is valuable,
one who cultivanes the smallcst garden, a sint gle trec or rose-bushl, or kecps a single
pig or hen. In lact, it contains pig or hern. In lact, it contains matter varie and interesting enough to please :ill classes o rcaders. Farmers, and all fries gress! it rests with you to say
terprise shall be remuncrative
publisher Javiur put lis huml not to it he will not look back. Your interest and pride should prompt you to do all in you Power to sustain such an enterprise. Send thi of your frients' and neighbors' as you cim in duce to believe they will be bencfitecl therebsy "My two dollars will make no dif rence. If it secms but little
aptiociated by the pullisher. Your sub scription will connt one towards the hhousands to give us a good paper, if we will do our pant and we know he will to it. Every sulscrip
tion received will cncourage the publisher and cditors, and increase the worth of the paper.Take as many other journals as you think fo Faray axd Fireside.

History of tie Amerion Cent.-The firs opper eent was prodnced in 1782 by Rober and was named by Jeffersou, two years later It began to make its appearauce from tie min in 1792. It then bore the head of Washing
tou ou one side aud a chaiu of thimeen link ou the other. The French Revolutiou soon ner ereated a rage for Frenchideas in $A$ meri of Washiugten, the head of the Godess of Liherty, wilh her neck thrust forwand au lowing locks. The chain on the revcrse was
replaced by the olive wreati of peace. Bu the Fronch liberty was short-lived, and so was its portrait on our cent. In its stead a staill, cillet clame, wilh fine Grecian feature:, and or fify years ago, and continued uutil aibout en years since, when tire much smaller and more convenient uickel ceut appearel, with Ilying eagle in the place of' Liberty's head, in
order that it uight uot be mistaken for the fiv lollar gold piece. In the present new cent the Liberty hcad has beeu restored.

Pears Preserved by Ice. - Quite a succes reported of an experiment in the transporical serving House iu Malden, Mass. That geutlc man lias received a letter from Mitanzas, say ing that pears which were taken from the
"house" and packed in the writers trunk ou the 25 th Dce., kept perfectly until he reached Havaua, ou the sth ult. A tew of them, no quite ripe enough to eat, were still ou hand. This venture indicates that the exportation of our sumuner and autumnal fruits by steamer n winter time, may be
le brauch of business.

Tue Population of London.-The entire opulatiou of London is set dowu at three mil lions, which is considerable larger than the population of all England in the days of Richard the Second. The London of Shakespeare's time wasavillagebeside the overgrown metropolis of to-day, siuce even in the reign of Jumed the rust it had but little orcr oue hun dred and fifty-three thousand inhabitants When Charles the Sceond, miscalled the Merry Monarch, was ou the throne, there were ncarly ander Williom the Third the increase was about ten thousand a year. It was not till the beginniug of the present century, however, that Londor could clain to have a million of dwel ers, the second figures being first realized in 1810. In 1831 it swelled to a million and hatf; 1849 it had passed two millions, and so has goue ou until now, when it umbers three millions and upwards, madc up of the richest and the poorest, the wisest and most ignorant, he best and the worst, of mankind.

More snow has fallen in Cleveland (O.) this inter than during any previous winter for thirty-five years.

## LOST ARTS.

In regard to colors we are far bedind the anpaintings of thousands of years the Egrytian least faded, except ereen. The Tyrion purple of the entounbed city of Pompecii is as fresh to day as it was three thousand years ago. Some of the stueco, painted ages before the Christian
era, broken up and mised, reveated its original ustre. And yct we pily the ignoranee of tho Egyplian prinee who was contemporaneous fill Solomon and Cleopatra, at whose feet Cesser laid the ricles of his empire. And in regird to metals. The edges of the statucs of the oielisks of Esypt, mend of the esterday. And the stoncs still remien losely fitted that their scams, laid with morpenknife. And heir surface is pxceedingly hard-so lard that when the Frenchartists eugrascd two lines upon all ollelisk brought from
Esypt, they destroyed, in the: tedious task, many of the best tools which could be manufactured. And yet these ancicut monumeuls on them in olden tiule.
This, with other lacts of strikiug character, proves that they were far more skillcid in met-
Is thau we are. Quitc recently it is recorded that when an American vessel was ou the to my on board the vesscl, und another nuadea Fron.
Fiction is very old. Scott hed his connterparts two thousand years ago. A story is told
of a warrior who had no tiue io wait tor the hot, role forward, and tound, to liis suprise, hat the cold rir had tcmpered his iron iuto an
cxeellent steel weapon. The tempering of since. was old troo thousand years ago.
Ventilation is deemed a rery modern arl, his is not the fact, for aperturcs, unquestionafy made for the purpose of ventilation, are went so far as to rectilitit ihair tombs, while

Peef-Cutrive cp and Preserving.-In cutting up beef for saltiug, regard sloould be
had to the size of the pieces, and their relytion to each other when put dowu. Iu other words, a family rescmblance should be purned iu the difierent strata, as placed in the be fouud eonrenient to cut into pieces suitcd a days consumption. For preserving meat casks, giviug a slight sprimkliur of pieccs in boiling together, in four sallons a pickle by pounds of salt, three pounds brown sugar, thrce ounces of salipetre, one onnce pearlash for one hundred pounds of meat. Ficep a flat
stone on tle meat, that it may be inuuersed in he pickle. Put down in this way; beef will and and rather improve by age.

Dink for Mitche Cows.-Cows that gire min wher will add mucs to their pront iving them a bucket full of warm watcr trice he family with it. Every oue has noticed ow an cxtremely eold day will affect their milk, or when they have become wet iu the summer. A little salt with milk floating They will drink at the pump all the better for a little salt.

Bridere, how came you to burn the bread ?" "Ocl! an' is it burned it is? Snre, Then, 12 'am, but its no fault of mine, for
wasn't you after telling me las' thing afore you int out, a large loaf must bale one hour, an made three large loares, so I baked cm three hours jisi ; for what else should I do?"

Av c.xchange says that it is just as sensille move to undertake to get married without eadrentising.

## Fhe fratm.

## UNDER-DRAINING.

## Writen for the Farm and Fireside,

The inportauce of thorough draimage of the soil to the suceessful agriculturist, is becoming more apparent, from season to season, as the benefieial results derived therefrom, in the lim-
ited exteut to which it is practised, are develited exteut to which it is practised, are devel-
oped. In the Nerw England States there is a large quantity of the best undeveloped soil, that would be greatly benefitted by underdraining; and if we are desirous, as a class, to keep pace with, aud sustain a position among the agriculturists of the day, we must turn our attention more effectually to this subject. We
shall be obliged to do it to beeome nore selfshall be obliged to do it to beeome unore self-
sustaining; for, as the West and other agricultural produciug sections beeome filled up, and other interests beeome developed, there will be a mueh less surplus of many products of the soil, and much diverted to other markets.There is already a proportional falling off in
the surplus productions received from the Test, aud the price becomes so enhanced that We cannot afford their purchase, as at present. That the soil and climate of the N. E. States will admit of the variety of productions from the soil necessary to supply the wants of our owu thickly settled population, there is not the least shadow of a doubt. Then let us prepare for any future emergency by so improving the soil aud its capaeity as to develope all its re-
sources. This we owe, not only to ourselves, but to posterity. Instead of investing our surplus money in adding to the broal acres already our own, or in stock of doubtful dividends, let us invest more in the improvement of the aeres we already possess, in under-
drainiug, subsoil-plowing, and more thorough drainiug, subsoil-plowing, and more thorough
culture generally. It will not be my objeet in culture generally. It will not be my objeet in
the following, or at the preseut, to give any specific directions in the art of drainiug, o coustrueting draius by any specific rules; but
morc generally to state some of the adrantamore generally to state some of the advantages aud beuefits arising from a thorough, deep underdraining of the soil.
The first aud most obrious benefit arising is, iu earryiug off all standing or stagnant water; gives a means of ready eseape to the exeess
that falls as rain, without the washing of the soil, as would occur wheu obliged to ruu over the surface iu passing off. It also arrests the ascent of water from beueath, from whaterer cause, and frees the surfaee and subsoils from
undue moisture, or the lingering presenee of any uoxious substance which might impede o injure the growth of the roots of the plants therein. The constant descent of water through the soil, causes the air to follow in its course, or, as the water settles awar, there would be a vacuuun, which in naturc is an impossibility, as the air pervades all things. The next fall of
rain displaees the air, and as thic water settles rain displaees the air, and as the water settles
amay, a nerv portion of air is drawn in to follow. This process is eonstautly going on While the soil is in au uucongealed state; the
rains carrying some of the most important substances, absorbed from the air or other sources, ueeded as vegetable food and imparting them to the soil, while the air which follows as the water settles awray, is all important in promo ting the healthy gromth of all vegetatiou.-
Other important consequences which follow Other important consequences which followt
the freeing the soil of water are, that it gradually beeomes dryer, warmer, sweeter, looser and more friable ; all of which, combined, Work out the practical benefits of a chauge of
soil, as well as a change of climate the constant preseuce of water im the soil, there is au evaporation going on at the surface, which, from its natnre, produces cold. Remore this, and the temperature is changed, the coldness of many soils disappears; the backWardness of Spriug crops, and the lateness of
Fall harvests, will be less complained of. Fall harvests, will be less complained of.-
Heary under-drained lands can rarely be worked in carly Spring for Suminer crops; aud frequently are so wet in Fall that they camot be well plauted to any crop; the frosts of Winter very frequently throw out the roots of any young plants growing in snch a soil, killing theur, or, at least very much injuring them; often compelling the farmer by these reasons
to change his system of cropping. Good
drainage works a complete revolution in all drainage works a complete revolutiou in all
such soils, bringing them into such a state that they may be worked at any time, when any soil can be worked. Heary rains dry out, so that the soil may be worked in a ferw hours. The removal of the superillous water in a soil is equivalent to a decpening of the same in its consequences, for it allows the roots of plants to descend where the soil was before occupied with it ; the air also penetrates and diffuses it self wherever the water has been, thus warm ing and aerating the same; a larger space is thus allowed for the diffusion of the roots of plants, iu search of food, in whieh frequently an abundance is stored, many substances be ing found there which have been washed dowu by the frequeut rains, from the upper soil. The action of all kiuds of manure is much more beneficial in draiued soils than in undraiued, consequently disappointments are

The foregoing are a ferw of the many bene
fits that may be claimed for under-draining.It is claimed by those experienced in uuder draiuing, that the soil returns the investmeut in three years; so that if the farmer have suf ficieut capital to carry on his improvement three years, he cau afterwards thus iuprove
his whole estate without employing any other capital.
February, 1867.
WHENCE THE IMPROVEMENT IT FARHING
Timothy Titcomb, in his Rural Life, says: The improveneuts made in farming and farmiug implements have not been made by farmers themselves, but by outsiders,--me chanics and men of science,- who have mar-
reled at the brainless stupidity which toiled on u its old track of umreasoning routine, and looked with suspicion and discouragemcut upon innoratious. The reason why the farmer has uot been foremost in improving the ustruments and methods of his own busines is, that his mind has been uufitted for improvemeut by the excessive labors of his body. support of musele, has, of course, none to direct to the support of thought. A man whose streugth is habitually exhausted by labor, be comes, at length, incapable of mental exertion; and I camot help feeling that half the farmers in the country establish insuperable obstacles
to their own improvement by their excessive toil. They are uothing more than the living machines of a calling which so far exhausts their vitality that they have neither disposition nor power to improve either themselves or their calling. *** There is no doubt about he fact that a life whose sole energies are expended in hard, bodily labor, is suelı a life as God never inteuded man should live.

I am perfectly aware that I am not revealing pleasant truths. We are muich in the habit of glorifying rural life, and praisiug the intelligeuce and virtue of rural populations; and if
they believe us, they caunot receive this with pleasure. But the question which most interests them is not whether these statemeuts are
true. Is the philosophy sound? Does a severe and constant tax on the museular system cpress meutal development, and tend to make ife hard and homely aud unattractive? Is uot the American farmer, generally, a man who has sacrificed a free aud full mental development, and all his finer sensibilities and affectious, aud a generous and gevial family and
social life, and the dignities and tasteful proprieties of a well-appointed home, to the sup port of his muscles? There are instances of a better life than this among farmers, and I should not have written this if those instances had uot froved that this everlasting devotion to labor is nmmecessary. There are farmers who prosper in their calling and do not become stolid-
whose homes are the abode of refinemeut, whose homes are the abode of refinemeut, aim is to elerate their calling. If there is a man on the carth whom I honestly honor it is a farmer who has broken a away from his slarety to labor, and applied his mind to his soil
"Mind must be the emancipator of the armer. Science, intelligence, machinery,hese must liberate the bondman of the soil
see what has been done for farming within my the skin. A toru or broken skin greatly imbrief inemory, I an full of hope for the future. The plow, under the hand of science, has become a nerw instrument. The horse now hoes the enru, mows the grass, rakes the hay, reaps, hreshes aud winnows the wheat; and ever ear adds nerr machinery to the farmer's stock o supersede the clumsy implemeuts which once bound hiu to his hard and never-ending toil. Wheu a farmer begins to use machinery to apply his mind to farming so fai as he can make it take the place of muscle, then he illuminates his calliug with a new light, and lifts hiuself into the dignity of a man."

## WINTER WORI ON THE FARER

We often hear faruers say: "It soou will This is a then we shall have nothing to
This is a great mistake. It has beeome a trite and true saying, that there is always something to be done ou a farm. It is so. true farmer never need be unemployed unnecessarily. To be sure, the more coufined aud heavy manual labor must be performed duriug the other three seasous, but winter brings its share of duties, which will require coustaut atteudauce from the farmer whose motto

The winter days being short, the proper care of his stock will occupy a goodly portion of it; and here let me remark, that nothiug pays bet ter than good care of amimals duriug the months they are confined to the yard and
stables. Another item of wiuter work which stables. Another item of wiuter work which
should always be performed, is the cutting, hauliug and piling of a year's fuel. The workshop will take a large share of the time, fo we assume that every farmer is, or ought to be, mechamic enough to repair his tools, car kiud. There will be much of this sort of work to attend to in prepariug everythiug for the more activc duties of the coming season. Here let me remmrk that farmers should always pairs, and the construction of such articles they would be likely to need. Another and great branch of labor whieh must be attended to at this seasou, is planning - brain labor Every farmer should have a rough draft of his farm on paper-he has it in his head-to which he can refer, and on which he can make such alterations aud additious as he sees fit, to be carried into operation in due season. In this plauning business he will fiud ample work for the long evenings aud unoccupied hours. And lastly, the winter season is the time for read ing, stady, aud replenishing and refreshing his mind for more active duties. He must be "book farmer," to some exient, else he will fall behind the times. In all of these labor aud dnties, and the cultivation of those neighborly, social qualities, for which the seasou is peculiarly appropriate, no farmer need lack finding enough to do aud profit by

## DRESSING POULTRY FOR MAAREET

Poultry will always sell mueh morc rapidy, and ofleu at higher rates, if well dressed than if poorly dressed. The followiug direc tions are giveu, as the result of much cx perience, by a poultry dealer :
Food in the crop iujures the appearauce aud sale; therefore keep from food tweuty-four hours before killing.
Opening the veins in the neck is the best mode of killing. If the head be takeu off at first, the skin will recede from the neck bone, epreseutiug a repulsive spectacle.
Most of tne poultry in market is "scalded" or "wet picked;" "dry pieked" is preferred by a few, and sells, to a limited exteut ouly,
at full prices. Poultry may be picked dry at full prices. Poultry may be picked dry
without difficulty if donc withont delay after killing. For scaldiug poultty, the water shonld ve as near the boiling point as possible without actually boiling. The bird, held by the legs, hould be immersed and lifted up aud down in the water three times. Continue to hold plucking the feathers with the other, without a moment's delay after taking out. If skilfully feathers may all we way, the feathers and pin-

The intestines should not be "drawn."After removing the feathers the head may be taken off and the skin drawn over the neck bone and tied. This is the best method, though much comes to the market with the head on.
It shonld next be "pluuged," by being dipped about two seconds into water nearly, r quite, boiliug hot, and then at ouce into cold water the same leugth of time. It should entirely cold, but not frozen, before being cked
In packing, use clcan, hand-thrashed rye straw. If this cannot be had, wheat or oat straw will answer, but be sure that it is clean nd free from dust. Place a layer of straw at he bottom, then alternate layers of poultry ud straw, taking care to stow snugly, back upwards, legs under the body, filling the vacancies with straw, and filling the package so that the cover will drive down very closely upon the couteuts, to prevent shifting on the vay. Boxes are the best packages, and should ontain from 150 to 300 pounds.

Salt for Gapes.-Every oue has had their say about gapes; now let a Buckeye tell you how we manage this matter. Formerly we ed the young brood with corn meal dough, losing more or less with the gapes every sea son. Latterly we have salted the dough, and now raise some two hundred chickens per sea ou, withont losing oue from gapes or any oth r disease. The chickens are bright, vigorous and healthy, and always commence laying early in the fall. Now we have some forty hens, which give us au abundance of cggs. Farmers should not hesitate to adopt this plan

A miserly old farmer, who had lost one of his best hands in the midst of haymaking, remarked to the sexton, as he was filling up the rave, "It's a sad thiug to lose a good mower a time like this; but, after all, poor Tom ras a great eater.

A Horse Chatnter.-A fellow being called a witness in one of the Euglish courts, the adge demanded:

What is your trade?
A horse chaunter, my lord."
hat?"
, my lord, aiu't you up to that ere "I

## I require you to explain.

"Vell, my lord, I goes around anong the very stables-they all on 'em knows me-and I sees a gem'man bargaining for an' or'se just steps up like a tetotal strauger, aud says
"Vell, that's a rare 'un, I'll be bound,"
He's got the beautifulest 'ead and neck a I ever seed," ses I. "Only look at 'is open nostrils-he's got wind like a locomotive, I'l be bound hc'll travel a huudred miles a day, and never once think ount; them's the kind of legs vat never fails. Vel, this tickles the genl'man, and he sayst 0 ' himself 'That cre 'onest countryman is a rare judge of a 'orse; so, please you, my lord, he buys 'im and trot off. Vcll, then I goes up to the mau vot keeps the stable, and I axes 'im, 'Vell, vot are you going to stand for that ere chaunt ?' aud he gives me a sovereign. Vell, that's vat ittle orse chaunting, my lord. Some chauuts canals and some chaunts railroads.'

To Relieve a Cough.-This is the scason for colds; and colds are the forerunners of consumption. Attend seasonably to the first, if you would avoid the last. For years we have found the following preparation the best for the ure or relief of a cough that we have evc ried: Take two omuces of flaxseed, two ounces tiek hqnorice, half a ponnd brown sugar, half a pound raisins, one quart of cider. Boil the Whole down to onc pint; strain it off and put it aside for use. Wheuever the cough is troublesome, tak
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ADVERTISEMENTS. $-A$ limiled number of agricultural nd vertisements will be pobllshed. Price, FIFTEEN OENTS a line,
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All letters, remitinnces,
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G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY
AGRICULTURE, HISTORICALLY CONSIDERED.
For ceuturies after the cstablishuent of Clristianity, and before the necessity of the laws which now govern, civilized society was
recognized, Agriculture, or the art of tilling the soil, had uot received the importance merited, The rude barons of the dark and middle ages were too much engrossed iu making and repelling raids, to derote much tiune to the more peaceful pursuits of husbandry; and thcir stalwart vassals " armed to the teeth, considered such pursuits as worthy only o women or idiots. Fortunately for maukind, and the industrial iuterests of the hnuan family, the uonasterics, then the abodes of hosppi tality and science, devotec much example fosculture, and botu by precept and example fos-
tered this useful art. $A s$ peace gradually diffused her blessings over Christendom, the science progressed; the culture of the vine,
olive and fig was suecessfully prosccuted in all parts of the Spanish dominions, aud the Moors, the most polished and elegant people of the fourteenth century, paid great attention to the cultivation of plants and flowers. Hany practical secrets of immense ntility to the farmer are still practised in Tripoli aud the Barbary States; carried thither by the refugees, who, When expelied from Europe, songht an asylum with their brethren of the same faith.
The sitnation of the Low Countries, particularly Holland, was favorable to agriculture; and in the fourteenth, fifteenth and sixteenth centuries, the indefatigable Duteh aud Flemings were the scientific gardencrs of Europe. The crusades, which nnited all the nations of the then known West in the closest bonds of friendship, were also of vast service to the science of horticulture; and the gallant Knights, Who fought on the sacred soil of Palestine to rescue the sepulchrc of Christ from the grasp of the turbaned infidel, brought with them on their return, many plants and flowers, which are now naturalized thronghout Christendom. The Pharmacopeia was also greatly curiched by contribntions from the Holy Land; flowers were then the fashiou, and all the medixral Sovereigns delighted in Pleansances, or flower gardens. Fabulous sums were giren for favorite plants, and the tabies of the great were claily laden with regetables then expensive and
rare, unt now common. On the discorcry of the New World, Europe was flooded with its produetions, and Ireland is indebted to Sir Walter Raleigh for the root which has so long constituted the prineipal food of a large payt of her population. Catherine of Arragon, the first Queen of Henry the Eighth, of England, was fond of vegetables, and brought in her train the first gardener who ever raised lettuce in Great Britain. During the rcign of that monarcl, salads were frequently sold for their weight in gold, and the purreyor of the magnificent Cardinal Wolsey, complained, that thongh "he offered any price for green food, he could get none."
The taste of the populace had been greatly improred during the reigns of the Plantagenet
Princes; the gross dishes, so much enjoyed by the Saxons, had gradnally disappeared, and simpler food was snbstituted in their room.The sagacious Elizabeth saw the adrantages that would accrue to her Kingdom from the advancement of agriculture, and bestowed rewards on all who made important discoreries. held the country at peace, and deroted mucl
time to the then modern improvements, and made it their boast that they could then feed all their retainers, without going off their lands. all their retainers, without going of their lands.
The eivil wars that followed after the death of The eivil wars that followed after the death of
Charles the First, and during the Protectorate, Charles the First, and during the Protectorate,
prevented much progress; nor was it till after the aecession of William and Mary to the va eant throne of James the Sceond, that agrieulture reecived any patrouage. Speeial aets o Parliament were passed to "protect the farmer, and the importation of suel animals as would be uscful in the tiling of lands, particularly encouraged." Most, if not all the gardens of that period, were laid out iu the Duteh taste. Grcat attention was paid, and immense sums lavished on exotic flowers and fruits to grace the boards of the nobility, at halls, masquerades and other festivities. Sinclair and Young may be deemed the fathers of British Young may
agrieulture.
The eurigrants who sought the shores of Ameriea, brought with them the tastes and habits of the ancestors from whom they dcseended, and the traveler is frequently astonished at seeing in Cauada the agricultural implements used in France in the time of Louis the Fourteeuth. Wheu the yoke of Great Britain was discarded, and the independence of the Colomes acknowledged, multitudes flocked to the Young Republic from all parts of the world. The fertile and grain produciug ficlds of the West allnred many settlers, who introduced all the improvements that fell uuder their notice; and that part of the country has largely repaid their honest perseverance.Pennsylvania is greatly indelted to the illustrious fuancier, Robert Morris, who was a great judge and liberal patron of agriculture; he also first introduced Green-Honses in the
United States. Pennsylvani
Pennsylvania and New Jersey were exceedingly enterprising in the production of regeta-
bies and fruit, which could not be raised in New Eugland aud certain parts of New York. After the purchasc of Louisiana, the Unitcd States could hasc declared that their populaion might be fed and clothed without foreign aid.
The Eastern nations, inclnding the ancient Egyptians, have long been famous for their profieiency in this "mother of sciences," as the ancicut Greeks delighted in styling agriculturc. The religious tenets of the Hiudoos debarred them from the use of animal food. The cliunate was genial, the soil immensely prodncive, and under the sway of the Mogul emperrs at Delhi, hot-honses were constructed on the largest scale, and the imperial table was daily ornamented with fruits and flowers of the world. Clive and Warren Hastings, who firmly consolidated the empire of Great Britain n the East, averred that India then far surasscl Europe in the science of Horticuiture.
The Chinese and Japanese have long been equainted with all the practical details of horticulture, and the pleasure gardens of the rieh abound iu the rarest flowers, and the most costly fruits. Every inch of land that can be hroughony available purpose, is cultivated throughont the celestial cmpirc; and substanthe world, as useless, are extensively employed as fertilizers. The Perurians and Mexicans
aloue, of the natives of the New World, had nade some advances in agriculture. The Spanish historians speak with rapturc of the chinampas, or floating flower-gardens of the Aztecs. To this day the Indians are passionately fond of flowers. Mexieo abounds in all
the productions both of the temperate zouc the productions
and the tropics.
Hereafter, we shall refer to the history and progress of American Agriculture,
Tre are more particularly intercsted.

Tife Importation of Seeds.-A number of importers and growers of forcign sceds arc abont to send a petition to Congress, asking hat the tariff be so changed as to admit frec of duty all foreign secds intended for growing or planting purposes. They ask this on bchal of the great agricnltural interests of the coun-
try, to whom, they sar, it is of importance to hare a sreat abundance of pure garden sceds, the importation of which is at present restrictled by a very high duty.

Piscictuttre en Mane.-A correspondent Friting from Augusta, Maine, says that Mr Davis, of Luhec, from the Committee on Fish cries, has reported to the Hotse a resolution relative to the restoration of sea-fish to the rir ers aud iuland waters of Maine. This resolution authorizes the Goveruor to appoint two commissioners, whose duty it slall be to ex amme suel rivers and other waters as they leem sufficient to the consideration of the subjeet of the restoration of sca--isis to our tion of new varieties of fresh water fish, and c protectiou of fish generally in inland wa Authority is also given to introduce into waters as they may deem best suited therefor, spawn of the black bass, land-loeked salmon, and other varieties, if they deem it expedient, prorided the expense do

Hot-bens will be wanted iu February and March. Have the sashes and frames in rcadiness, now that there is lcisure. Paint, re glaze, and have all in. working order. Accu
mulate a supply of mauure for the same; the best is that from horse stables, long and shor togcther. Manure for ploughiug and spading in, should be looked out for, and all available matcrials, whether from the house, privies, stables, piggeries or heu-houses, should be

The Cayary Brd Trade - Thcre are large importations of Canary birds in the German Hartz mountains in Hanorer. The number of them that arrived here in the past year is cstimated by large inporters at from 15,000 to 0,000 , worth $\$ 60,000$ or $\$ 80,000$. The mortality among the birds ou the passare is more than twenty-five per cent. In this country they are brcd to some citeut. One man in and another in Buffalo one hundred and fifty

The Potato.-A French newspaper states rith regard to the parasites founcl in the potato that "the mieroscope reveals to ns the exist ncc of a small black spot, of the diameter of can be detected some 200 feroeious animals of a coleopteric form, which bite and tear cach other with continned fury. It is easy to com prehend the potato disease when such an in cstine warfare is raging.

The Cattle Plaget.-During the week ending December 29,1866, the last offieially reportcd, the Euglish Privy Coumcil states that nine animals were attacked by cattle plague in Great Britain, an increase of three as comared with the previous week. The numbe peared has been 253,807 , and 52,646 healthy eattle have heen slaughtercd to
plague froun spreadiug.
Interestixg to Milknex.-In the Supcrior Criminal Court, in Boston, Heary Waite, charged for the third time with selling adulterated milk, pleaded guilty, and Judge Russel sentenced him to the House of Correction for the term of sixty days. Subseqnently the sen ou paying a fine of $\$ 50$ and costs.

Live Stook in Miniesota. - The St. Paul
Pioneer says that there are now in the State
$\$+8,000$ horses, $421,8+2$ cattle, $259,366^{2}$ sheep,
and 286,416 hogs. The cstimated raluc of all the live stock in the State is $\$ 21,6 \overline{2} .501$.

Orajges. - The St. Augustinc (Florida) Examiner, speaking of the great crop of oranges, says that sixty thousand will be picked from onc grove. A gentlenan writes that "they ang in rich yellow cinsters from trecs on thi their rich perfume."

Sale of a Troottriag Honse.-The celchrated
Ethan Allan" was sold in Boston on the 2tth nlt., to B. E. Simmons, of Ners York. Th priec paid was $\$ 10,000$.

THE COMMON SCHOOLS OF PENNSYLVANIA. Tue report of the Superiutendent of Comon Schools of Penusylvania gives the follow-follows:--There were in that year 1863 sehool distriets in the State; 13,146 schools; 16,141 ttendance of 458,066 . The total cost of the school system for the entire State, including the year $\$ 4,195,258,5 \pi$. The inercase in the umber of school districts was 26 , ill the nnmttending endance at school, 18,946 , and in the atost of the system, s.581,020,02. Not iucluding Philadelphia, the inerease in the per eentage uition per month, four eents; in the number f male teachers, 493 , in the number of female cachers, 63 , in the salaries of male teaciere, o the cost of tuition, $2220,743.67$; in the cost purchasing grounds, building, renting and repairing houses, $\S 222,209,77$

## what a squirrel did.

We cut the following from the Newburyport Herald
re should, perhaps, have refused, on the prin-
ciple that the receiver is as bad as the thief, had ye known where they were obtaiued bcfore it striped sqnirrcl, which he had laid up in a thich be had carried up one by one, trom a rec an cighth of a mile distant. The hole run into the tree in a horizontal direction, so that nuts would have rolled out witlout small, as the fication in its arrangemeut, which Mr Bunn proceeded to make with a good deal of archicctural skill, his movements being laily watehd by our informant. He first built up a brcastwork of clay, stieks, nutshells aud other
rubbish at the mouth of his magazinc an incli or two high, and then filled it up with his proisions, till it would hold no more. He then dded another course of mason work and auther deposit of nuts, and so on till at the time nissary, the wall was ahout a foot high. The peculation was considered justifiable on the ground that man was created lord over all the beasts of the field, and that it was no worsc horse or an ox do it. Besides, onr friend findly gare the four-legged slare his time for had laid in scason, and in a week or two he family.
The Auericax Safety Ren.-A few days go Chapman's Patent Safety Rein was pnt to the severest test. Gen. Dix, a notorious ruuaradster, beeause it was found impossible to control him, was made the subject of the trial. The horse was lashed into a savage run with he whip, and when the reins wore pulled upcommon snafle bit was used, and the power Beforctety rein worked like a magical charm. Before the trial it was hoastingly* asserted that Gen. Dix could not be controlled by any inrenon, and many of the gentlemen present confivay and a reueral smash ap. But so comhorse that they at once aeknowledged the prac tical ntility of the Chapman insention. - Turf, Field and Farm.

5 Secretaries of Agricultural Soeieties in Pcnusylvania Nerr Jerser and Delaware, will ohlige us by scuding a list of their ofticers for

HOW TO OBTAIN THE FARM AND FIRESIDE.

SERD A STAMP. - Speclmen numbers of the FARM AND SRND a Stamis
FIrsine whll be
three

Trireside 䟺eadings.
the old chimiey.place.


How cheerful, while the storm without
Mumed the earth and iced the night,
The ruddy glow gushed laughing out The ruddy glow gushed laughing out
Ou merry groups and faces hright! How chimed the crackling freakish flame
with rosy mirth or thought ful esse With rosy mirth or thoughtful ease
Or, may he, syllabled the name Or, may he, syllabled the name What fairy scenes, with golden lands,
What pageants of romantic pride, What pageants of romantic pride,
In the weird deep of glowing brands In the weird deep of glowing brands
Saw the fair hoy, the dreamy-eyed; Tilu, musing bere, his spirit drew
Strong inspiration, and his years, By Beauty's subble nurture Enew Here, as the swooning embers sent
A faitut fuub throngh the quieet gloom,
In the warm hush have lovers hlent In the warm hlush have lovers hlent
The fragrance of their hearts fresh The fragrance of their bearts
And, veiling in the soft-drooping eyes
Her tremulous joy, here blusked the Her tremulous joy, here blugked
Here o'er pale form in funeral guise

This spot the pilgrim, 'neath strange skies,
Saw in his wayside dreams ; here stood Old friends with gladness in their eyes
Here grew the heautiful and good Here grew the heautifuland good-
Sweet friendship-faith serene and sur Manhood's strong purpose,
courage to labor and endure,
$\qquad$
Here leaning in the twlifght dim,
$\qquad$ My beart goes upward in the prayer That made the night so full of peace Hums with sweet sounds-they faint, they cease,
And night ${ }^{\circ}$ er all broods calm and clear.
hiary of tie heath.

IT is by no means an uncommon obsery tion, that did any one uote down the remark able occureuces of his own life, those of h
friends with whieb he is well acquaiuted, o such as become known to him on good author ity, in the course of a few years how curious eollection it would form. The following is au exauple:
It must now be nearly half a century ago, when one fine summer's day, about the hour o noou, a little girl, who could not have been more than ten or twelve years old, was seen on a particular part of -Common, or Heath in Kent, (not very far from the house of wealthy baronet,) suspendiug a pot on three sticks set upright in the grouud, after the manner of gipsies, over a fire whieh she bad kindled beneath it. She was dressed in rags, and
seemed miserably poor and forlorn. The child seemed miserably poor and forlorn. The child
was alone. The singularity of the circumstance excited the surprise of two ladies, who were takiug their uorning walk on that airy and agreeable common. They looked around expecting to see a party of gipsies, to whom they conjectured the child must belong; but, thongh wide and open, not a living creature,
save tbe little girl boiliug her pot, was to be save tbe little girl boiliug hel pot, was to be
seen far or near. Their curiosity was raised seen far or near. Their curiosity was raised
and much increased, wben, on a nearer approach, as she turned her head toward then, though burnt and browned with the sun and wind, they saw at a glauce that the face which looked out from beneath a bonnet worn out of all color and shape, and the arms wbich were but partially covered by an old tattered cloak, were neitber of the gipsy character or complexion. The features were small, round, aud the
eyes and hair of true Saxon origin-blue and eyes and hair of true Saxon origin-blue and
light brown. There was also an expression of artlessness in the countenance, which, it must be eonfessed, is not yery generally tbe distinguishing inark of the daughters of Egypt.
rimess of the employment and the personal peculiarities of the child, it was impossible that two ladies of good hearts and beneroleut intentions, could other than feel interested for her. Tluey proceeded, therefore, at once to question her, beginning with the kindly and encouraging expression of "My dear," as they askcd wbat she was doing there?
"Boiling my pot for my breakfast," was be reply:

And what have you got in it?
"Two turnips that I took out of a field."
"Is that all you have got for your break
"All, except some bits of bread.
That's a very poor breakfast.
you belong?
"To nobody."
"To nobody? and you so young! How did you come, and where are you going?" I don't know
"You ueither know how you came here nor where you are goiug? What a strange
istory. What is your name, and where did you come from? You must have come from some place?
"My name is Mary, and I cane a long way "off; lout I can't tell where."

How did you get here?
I walked ; I've beeu mauy days walking." I never beard so strange an account as you give of yourself. Where did you get that
'I brougbt it away with me.
Then you must have come from some persons with whom have been liviug. Tell us now the truth. Have you not beeu with gipsies?

A blush rose in ber cheeks as she replied, " Yes, I have been with gipsies.
"Where are they? and where did you leave bem?"
She paused a moment, looked dowu and then said, "I got away from them, for I did not like their way of life."

And mben was it? aud bow have you lived since you left them
"Very hard," sand the child. "I begged my way aloug the roads, and with the few lalf-pence I got I bongbt a litile bread to save me from starving. I have no where to go. I
She burst into tears, and there was something so forlorn, both iu voice and countenauce, as she spoke these words, it was impossible to doubt their truth. Tbere was notbing in it of the whiue of a made up tale to excite compassion, and she rather souglt to wipe away her tears unobserved, as she turued aside her head, than to make a parade of them.
"I am sure," said Miss G-, the daughter f a neighboriug baronet, "there is sometbing very uncommou in this child's story. Poor creature, she is really iu very great distress. bet us take her home, and mamma will know to do for her." can what it would be the best
Her friend assented, and Miss G-_turned the child and told ber tbat if she would
come along with her, she would give her some good advice. The little girl followed gladly enough, bnt she would not leave the pot behind her, for that and the miserable attire on her back was all the property she possessed in the world.
Lady G-
Lady G-was a woman of known benerolenee; but she was not one who exereised it not, by hasty eaution and judgment. She did courage vice and low cunning, under the idea fortuualy distressed the industrious but unfortuaate poor. The truly aflicted sought
her doorr, the idle aud vagabond passed on, her door, the idle aud vagabond passed on,
certain that iuquiay would precede relief. Yet with all this, Lady G—_did not carry caution to that cold aud extreme extent which rendered her suspicious where there appeared them or waut and sorrow that carried with was their own evidence of sincerity. This
"That child," said Lady G-_, after hearing her daughter's account of the meeting on est. I can see it in her looks. I can see and her distress is real in every line of her face, whieb is a very pleasing one; and in the few

## words she has spoken tbere is such a touching

 tone, very different from hypocrisy. Sbe shall bave something to relieve her hunger, and then we will question her."Tbe little creature's tcars were seen to start n her eyes at the sight of the food, for sbe was famished with waut. The meal euded; once more sbe was conduted to the presence of the ladies. Lady G- with much gentle ness commenced her iuterrogations, after having kindly, but in a way, suited to the capacity of a poor untaught girl, endeavored to impress on ber mind the duty as well as the importauce to herself of speaking the truth.
The following particulars were artessly narrated:
Tbe child began by saying that she was borm in Bath. Her father was in business in that city; she told bis trade. Her mother-in-law treated her so harshly aud uukindly that on some gipsies coming into the ueighborbood, as she was allowed to run neglected about, and glad to be out of the sight of her severe stepmother, she got acquainted with them, and was finally iuduced by their persuasious to run away and join them. With these gipsies she had lived two or three years, going about the country with them. She did uot know if her not. At length, uot liking the way of life of the people among whom she had fallen, she determined to leave them on the first opportu nity. She had stoleu away from them, tak iug nothing with her but one of their old pots with a view to eook for herself a turnip or auything she could get to support her, so tuat she might not die for want of food. Sbe had wandered about the roads and waysides beg giug, ever since she quitted the gipsy camp and with every half-pence she had picked up in this manner had bought a peuny loaf at any village she inight pass in her rambles. She did uot know where she had been wanderiug,
but at last she had reached the common, where the young ladies found her that moruing.
Lady G—b bad little or no doubt tbat th child's tale was true; and thinking that to cast out so young and unfrieuded a creature again on the wide world would be to give her
up to destruction, she resolved to afford her present sbelter, at least till she eould ascertaiu by iuquiry that all sbe stated was correct. Haviug obtaiued from the child the name aud address of ber father, sbe determined at once write to Bath, beggiug au immediate reply, In the iuterval the poor little wanderer wa attired in better clothes, and placed under the especial care of a steady female servant,
with a charge to keep a strict cye upon her. In a few days an answer eame from Batb coufirming the gitl's story, aud expressiug an earnest wish for her return home to live with her fatber. But the little Mary evinced so much terror at the thoughts of going back to her step-mother, that Lady
She had been greatly interested by the sim plicity of her young charge, and the servant to whose especial care she bad been committed, spoke very favorably of her. Lady -amily proposed, therefore, to keep her in the family, and to try to make a servant of her,
beginuing with some humble duties in the household. The child's gratitude was of the liveliest kind; tbere was nothiug bad iu her; indeed, her natural dispositiou seemed docile and amiable. But sbe had received no instructious; all her good qualities must, there fore, be inherent. This was very promising, and her benefactress, after a few weeks more of probation, finding that she might be trusted with other ehildren, sent the bttle Mary to the village school. There the ehild showed so much aptitude for learning, reading, writing, etc., that sbe soon becamc the head of the class, and made such progress that on leaving school, two or three years after, she was promoted in the household, and became lady's maid to her benefactress. Iu this situation she contizued for several years, repaying the kindness and geucrosity of Lady G-by the most assiduous fulfillment of her duties, and the warmest attachmeut to ber person.
Finally-and few stories of romance con clude so satisfactorily as this tale of real bie the trustworthy and respectable house stew

G-, with an unwearied interest in her well being, furnished the house for the good couple very handsomely, and made the bride the mistress of the village scbool, where she had been fostered and educated. Greatly was that excellent lady pleased to see that wben her favorite attained tbe bight of good fortunecberished by her superiors, beloved by every one-the full-grown woman in her prosperity carefully preserved the old pot as a precious rehic of the lowly and afflicted state from which, by a good Providence, she had been so mercifully rescued, when, as the forlorn little Mary, she prepared to boil her turnips on a heath in Kent on the most eventful morning of her life.

## VERY GOOD.

A tall, raw-boned Yankee was riding diminutive specimen of the donkey tribe through the muddy streets of Gothan ; aud the animal beiug very stubborn, Jonathan lound it quite difficult to induce bim to accelerate his speed.
He used the pursuasive eloquence of a hick ory stick, however; at each blow he would drawl out, "Git up, Bonypart ; git up, I say." A little Frenchman, in passing near, heard, with rage, the name of his illustrious country man applied to the ugly beast, and counueneed heapiug a volley of abuse ou the head of the offending Yankee.
"Sair," shouted the Gaul, "vat for you call dat ugly beast Napoleon! By gar, sair, I shall 'ave ze grande satisfaction!"
"Git up, Bouypart!" was tbe response.
"Saire, monsieur, sair! I say vat for you call zat vagabone horse Napoleon?"
"Git up, Bouypart!"
Here the Frenchman's rage boiled over, aucl stampiug his feet upon the pavement, he reamed:
"Oh, by gar, I sall 'ave ze grande satisfac tion! I sall 'ave ze reveuge. I 'ave one dan seep-dog at my 'oune; I go eall 'im Guillaume Was'ingtou, by gar!
Tee hat was passed around in a certann congregation for the purpose of taking up a eol-
lection. After it had made the eirenit of the clutreh, it was hauded to the minister, who by the way, had changed pulpits with tbe regular preacher, aud be found not a peuny iu it. He iuverted the hat over the pulpit cush ions aud shook it, that its emptiness unight be kuown, theu raisiug his eyes towards the ceiliug, he exclaimed with great fervor, "I thank God that I got baek my hat from tbis cougre gatiou."

Dryden was so foud of reading tbat his wife oue day exclaimed: "I wisb I were a book tbat I might always be in your so iety." "I wish ycu were an almanac," he replied, "so that I could cbange every year.

A rural pastor prayed ferveutly for rain during a severe drought, whieh began to fall iu torreuts just as the service closed, when two farmers walkiug home together were getting cully wet, and oue remarked to the other Tbe parson does pray with a good unction." "Yes," replied the other, "but he lacks judg

Zimmermañ.-This eminent plbysiciau went from Hanover to attend Frederiek the Great iu his last illıess. Oue day the king said to him "You have, I presume, sir, helped many a man into another world?" This was rather a bitter pili for the doctor; but the dose he gave the ling in return was a judicions mixture of truth and flattery: "Not so many as you majesty, nor with so much honor to myself."

A GOoD old womau, a dear friend of mine," says John Newton, "was asked upou her death-bed if she was comfortable iu her unind "Very far from it," she answered, "Then you are uot willing to die?" "Quite willing, she said. "If uy Father chooses to put me to bed in the dark, I can trust him.
Several young men have appeared at fashionable reeeptions in New York receutly iu something like court dress - maroou velvet something like court dress - maroou
coats and breeches, witb silk stockings.

## The Wrarm and Wireside．

Ta anm
G．W．And S．S．FOSS，EDITORS．
SATURDAY，FEBRUARY 2， 1867.

## AGRICULTURAL CHEMISTRY AND FARMING

Tuere lies a wide gulf＇between theoretical and practieal farming；if it were not so，we should not observe farmers acting in eomplete defiance of the well established dogmas of Ag － riculture．Rotation of crops，for instance，so frequently and so fully rentilated by theoreti－ cal writers；but where is this carricl ont to its legitimate extent，among us？Under－draining， another equally certain benefit，we see little of， in all our agricultural excursions．Economy of the excrementitions matter of the barn－yard， and judicions composting of the same；this too is generally overlooked；and，indeed，every other well ascertained principle which demands system to carry it ont ；hence the late Professor Lapes characterized the agriculture of this country as in＂a state of semi－barbarism；＂and no man was better qualified to judge of the matter than he．

Much has been advaneect by theorists that is well founded and proved by long practice ；but much is adranced in treatises on the nutrition of plants，that is not quite as fully proved． Some years ago，a great demand was created （in the vicinity of the office of an agricultural journal）for analysis of soils，as the first step） the inteligent farmer should take towards im－ proving and cultivating his soil understanding－ ly；but so little agreement was evinced among the learned analysts，as to the comparative val－ ue of traces of certain ingredients in the soil， that we now seldom hear of a farmer paying twenty dollars for an analysis of his soil．The thing was overdone．But there are mneh more important differences than these between an－ thorities．The very sourec of fertility to plants is by no means agreed npon．There are some who regard humus as the great desideratum； othcrs are continually on the search for ammo－ nia．One writer elaims that the humns is sup－ plied in the manure restored to the field from the barn－yard；another persists that this is im－ possible ；and so of many other essential ele－ ments．The writer who can conciliate these discordant theories，will confer a great benefit on the reading and investigating firmer．

Penasylvanta Agricultural Soorety．－At the late meeting of the State Society，held at Harrisbure，it was decided to have a trial of Agricultmral implements，under the supervision of the Society，during the coming Summer． The place has not been clesignated，but will probably be in a eentral section of the State． The legislature will be asked for an appropria－ tion for that purpose．The Society will receive proposals，until the ． 19 th of Mareh，for the lo－ cation of the next State Fair，to be held on the 24 th， 25 th， $26 t \mathrm{l}$ ，and 27 th of September． Philadelphia is the best and most remmerating locality that can be selected．

From the Treasurer＇s Report it appears the receipts of the Society，from all sources，the last year，were a trifle over $\$ 13,000$ ！This is a meagre exhibit for a Society cmbracing solarge and wealthy a territory as the great State of Pennsylrania．It is a sad comment on our agricultural thrift and progress．

Back numbers of our jomrual can be furnished to all new subseribers．As the con－ tents are not of a news character，but comprise valuable essays on agriculture and kindred subjects，they will be＂good for all time．＂The illustrations already used，are worthy of preservation．In faet，the Farm and Fireside should be preserred for binding at the end of each volume．

The New Orleans Times says the sugar crop of Louisiana this year will reach 50,000 hogs－ heads，against 16,000 last year，and that only extraordinary obstaeles will prevent a produc－ tion of 100,000 next ycar：

Hexry Ward Beechers says cholera is

## LOCAL AGENTS．

We wish to appoint a local agent，for this journal，in every town and county in the United States．Our terms are liberal and worthy of attention．Apply，at once，to the Publisher．

Agrioultural Sooieties．－Scerctaries of Agricultural Socictics in the United Slates，are invited to send us a list of their oflicers for 1867．By complying with this request，we can be of much service to them．
a Wool Tariff．－Information from Wash－ ington，from a highly respectable sonree，says that Mr．Wells＇s recommendation of a fi＇e trade tariff on wool will not be adopted． sincerely hope this will be the case；but Congress is a veit uncertain and mareliable boly．They will adopt and pass almost any neasure，or poliey，which is enginecred by skillful financial agents or lobly－men．When the wool－grower is properly protected by Congress，it will be after he has subsidized a najority of its members．

Two fishes came through the pump of the new artesian well at Novembay，Wis．，a few lays ago．The well is one hundred and seven feet deep，tubed the whole distance，and elose－ ly filled at the top with a forec－pump，so that the fishes ean come from nowhere but at that depth under－ground．They are about two inches long，nearly white，and do not resemble any variety common in these waters．One of them was injured coming throngh the pump and died，the other is alive．There was no in－ dieation of having struek a stream when the well was finished，althongin the water eame in inexhaustible quantities，accompanied by ex－ ceedingly fine sand．

Superior Liquid Blacking．－Equal to any made．Use ivory black in fine powder，？ pounds；treacle 8 pounds；refined or dropping sweet oil 1 pint ；goodmalt vinegar one gallon； stale but good beer，two gallons；oil of vitrol wo ounees，soft water distilled，six gallons． Mix treacle and water well together，and to powder add oil tillwell mixed；then add port er and vinegar in pan；stir well together one hour with stick，then fill for use．
$\dot{\Lambda}$ statenert made to the Senate Committee on Agriculture declares that the annual con sumption of unsconred wool in the United States is little more than one－third of the es－
timate in his annual report．It makes the total wool supply for the fonr years ending June 1865 ，amotnt to $800,000,000$ pounds， 300,000 ， 000 of which were produced liere， $279,000,000$ imported，and $220,000,000$ introduced as man－ nfactured woolens．

We believe the Canadians have good reason oppose anneration to this conntry in the fact that，in the eastern provinee，fresh bee can be had at 4 cents per pound；mutton， 7 pork， 10 ；butter， 12 ；ponltry， 5 ；flour per barrel，\＄6．We enjoy no such privileges this side of the line．
The disparity in the price of wheat between The Atlantic citics and．San Franciseo is so great，that it is cstimated that on a cargo of wheat，which recently arrived in Philadelphia from San Francisco，a profit of $\$ 75,000$ was calized．
＂Prax cxcuse a bit of sarcasm，＂said Smith to Joncs，＂bnt you are an infamous liar and sconnclrel．＂＂Pray，pardon a totch of irony，＂ replied Jones，as he knoeked him down with the policr．

Cellaps．－Pick over the garden verctables potatocs，apples，iEe．，on stormy days，and re more all that are decaving．This is essential on the score of health as woll as economy．

Green Peas were offered for sale in the Tal lahassec，Florida，markets on New Year＇s day．

Loos．AGEsts．－We wlah a $1.00 . \operatorname{tr}$ ．Agestr，th obtaln gub－ scribers for tee Farm and Fireside，in every town in tb
Statce．For terms，apply to the Publlaher，at once．

WOONSOCKET AGRICULTURAL SOCIETY．
mecting of the froonsockel Agricultural ociety will be held at the hotel of Cook，Ma and Co．，Woonsocket，on Tuesday next，to general Assembly for an act of ineorporation．

Deorise in Fiovr．－Consumers will lee glad learn，or would be if retailers ever liear of such news，that during the week the best grades of flour have deelined from 3．in to 50 cente，and lower grades somewhat less．The receipits at the western markets were considerably in ex－ cess of corresponding dates of previons years． As one drawback here，however，stoeks in the hands of bankers and dealers have become low，and there is，to some extent，an export demand．
The loeal inillers have not purclased half the average．The stoeks of flour are libcral，bnt of whent are very light．In Baltimore and Philadelphia millers have stopped grinding be eanse they have no wheat，and the stoek is be－ ow last year．At Chicago and Milwaukee，the principal sourees of supply，the stocks at the latest dates aggregatec only $1,200,000$ lushecls， against $2,500,000$ bushels last year．$-N$ ．Y．$E x$ press，Saturday．
n刧arriages．

leaths．


The 锶arlixts．


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|  | Las III． |
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|  Workhn oxen－$\$ 150,200$, 230， 300 ta palr． <br>  |  |
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| Shect and Lambs－In lots，\＄150，200a2 55 cach；extra $\$ 3$ aj 00 ，or from 3 ल． 5 c 数 th． | LLEE \＆NEEnLes，．．．．．．．．．．．．．．．．．．．．Manuracurers of |
| Irices of 1104 s ，Tallow and Skins－Hides 9\％2c 7 ll ．Tallow 5c 第 tb ．Calr Skina 20 c 管 1 t 。 |  |
| Telts－\＄1 111 2j eack．－＿ |  |
| NET YORE Jan．28．－1n Cattle bas end |  Extablushed in 1818 |
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| and fair al lialsc， |  |
| Mllcb Coura were if anything firmer， $2 t$ prices ranglig at |  |
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Goon Inoome for a Dull Year．－Government has derived over $\$ 175,000,000$ from Internal Revenue in the six．months and a half which have clapsed since the commencement of the current fiseal year，July 1,1866 ．This gives nn average weelly revenue from excises alone of nearly $\$ 6.300,000$ ，or enual
to a yearly aggregate of about $\$ 328,000,000$ ，against the estimate of $\$ 285,000,000$ for the whole year，made br Commissioner Rollins in his last annual report．It wiil be remembered that the official returns of the aygregate reecipts from excises for each of the lasi three fiscal years were as follows：18fit， $\$ 117,145,748.52 ; 1865, \$ 211,129,529.17 ; 1866, \$ 310,906,984.17$ ．

Partic cems．

## THE FIRESIDE．



 Nor join the siddy dance．
From the gay world we ell of retire
To our own family and free


 | Xo it iterne adinh stranger ne |
| :---: |
| To spoin our beartelt joss． |




 That mantiage，righty understooc
Gires to the tender and the good A paradise helow．

Our habes shall richest comforts hring：
If tutored right ithe If tutored right，they＇d prore a spring
Whence pleasures erer rise；
We＇Il form their minds with studious care To all that＇s manly，good，and fat
And train them for the sclies．

 And thus onf fondest lores rep



 To want no more than may suffice，

 Tor lose the present buir．



 Tor frulse our ones，with enti


 nid minsiste vilt hede eead；



## 理articulture。

GRAPE CULTURE，－＂OUT DOOR．＇

## Writen for the Farm and Fireside， by r．robinson scott，philadelphia

Axthovgi the praetice of raising grapes un－ der glass is no longer a mystery，or cren a di
ficult matter to an intelligent individual， the successful eultiration of the grape， doors，＂on an extensive scale，and in many in－ stances to quite a small cxtent，remains an un－ certain undertaking．Iet page upon page and column after column of our rural periodicals have been occupied with the discussion of this Fery subject．What is the matter？Are the American fruit cultivators non－plussed，or is it only the uninitiated who thus whine over fail－ ures and disappoiutments？Not the uninitia－ ted only，for the wiseacres give it up，as an un－ certainty．Will the writers to be employed on the＂Farm and Fireside，＂be ablc to aid us in the dissemination of any useful information？
We have been recently told，by those who profess to speak by the card，that the causes
hitherto adduced，viz：soil，situation，aspect or
eren atmospheric influences，are sufficient to account for the failures which have occurred， One thing，howerer，is certain ：many cultiva－ tors have enriched themselves，if not by grow－ ing fruit，at least by growing vines．We wish now to look after the millions of grape vines， disseminated over the country，during the past ten years，and discover if the prospect of a partial crop is to he seen in the distance；and if not，why not？Are there not mauy tracts in．this vicinity，and in our State，ou which a cultivator of skill and means，could grow the Sueh a soil is not half a mile distant from the point from which we write；and that on the banks of the Sehuylkill；yet a large grower has failed，somewhcre on the banks of the Schuylkill．Has he failed from auy defcet in
 any reader of this article who is conversant with the history of the rineyard，mentioned硍recently in sereral rural periodicals as heing a failure，state the history of that vimeyard，and let us reason from what we know．Because
the wrild grape luxuriates in a swamp，climb－ ing over tall trees and hangs in clusters of per－ fect，though umpalatable，fruit，the cultivated grape must not necessarily be expected to do so under any such circumstances，unless it be submitted strictly to the sanc routine，unlim－ ited in time or space．Nor because the same sort of wild vine may produce a similar result on a dry hill－side，while the cultivated grape will not flourish，apparently equally favorably located，must we jump to the conclusion that breached the secret of nature＇s uuerring master－ work．

The secrets that lie coucealed in the action of matter in the bosom of the earth，are still ＂secrets＂as far as the out－door grape is con－ he informed．Enough has been done，hower－ ＝er，to eucourage the hopeful cxperimeutalist to progress，and we feel assured that out－door drape culture wiil oue day be a certain thing童 $a m o n g$ us

The profitable cultivation of the grape in
确experimental gardening；it is experimental， for in no single instance that we can quote，信have the results beeu，without exccption，satis
 has been realized in some districts of the coun－位try；such as Ohio and Missouri，we do not de－解y；but that the returns have been in a series of years such as were expected or warrauted by the theoretical data whiel led to the exper－ iment，we ccrtainly elain．The results so far， iment，we ccrtainly elain．The results so far， methods of planting，training and pruniug；in many instances deduced from European prac－ tice，with the vitis vinifera；and in others， to be better suited to this climate and to the American varieties of grape．We do not pro－ pose here to detail any number of these exper－ iments，one fact is well ascertained，that on
 Underbill of the Croton Vineyards，New York， and the plantations connected with the estab－ lishment of the late N．Longworth，of Cincin－ nati．Others have failed from time to time and hare had
We recollect being present，for a few min－ utes，at a cliscussion before the Fruit Growers Society of Eastern Pennsylvania，when this subjeet was introduced．The adaptation of the soil in the ricinity of this city to grape cul－ ture，was the topie which most interested us． Among other facts was adduced the success of a Mr．Kern in planting a vineyard in the valley of the Schuylkill，a ferv miles from Philadel phia；or，at least，on the ground contiguous to that river．I am informed，hy recont inquiry， that，the last season，the crop failed to be a success．We propose，at the eariest opportu－ nity，to inrestigate the history of this particu－ cause of failurc lay．The grape is generally cause of failurc lay．The grape is generally
believed to flourish best on dry bill－sides，on gravelly loam；such，it is said，is the nature of
the soil above alluded to．．It is also affirmed that high manuring does not suit the constitu－ tion of the vine；or，at least，that it deterio rates the flavor of the wine．This is quite reasonable．We presume，however，the grea desiderata to success lies in the judicious prun ing，traimng，aud cropping of the vines，pro－ vided the plauting has been judiciously doue， and the soil in good condition．Now，on this topic of pruning，there is little agreement among cultivators．The system generally pur hy annual cutting $i n$ ，is beginning to he op－ posed，and the condition of the luxuriant wild posed，and the conding over trees and bearing heary crops，are pointed to in support of the ahan donment of the close pruning system．The pcculiar atmospheric conditious which so un－ favorably appear to affect the foliage and fruit of the grape vine，are by others supposed to be the great cause of failure．Insects are also mamed with a lare share of the injury． to all and each of these causes，a portion o the failure must under various circumstance and in various seasons he attributed，so that to be asked to give any satisfactory explanatiou of the failure of a single rine or vineyard，the facts and circumstances must all be taken into account．
February 1， 186

## THE CHESTNUT TREE．

## GSEFUL AS TELL AS ORNAMENT

## Written for the Farm and Fireside，

Among all our forest trees for planting，to give shade and comfort around the homcstead， or to add heauty and graudeur to our cxtended donains，none are more deserring of adoptiou than the Chestnut．Rapid in its growth，frec from all annoying insects，hardy，as a tree
healthy and cleau of foliage，sound，regular and handsomely graccful in form，growin well in any soil，free of lime and wcll draiued the chestnut aftords us a tree of value in shade or heauty，equal to that of many others，and adds a erop almost yearly of uuts，that always command ready sale in market，netting to the
owner of trees，fifteen to twenty years planted， from twelve to thirty dollars，according as the uuts are plenty or scarce in market．
There is a great deal of difference in the size of the fruit of our native chesnuts，some of them being almost as large as the French mar－ row or the Spanish．All are readily grown from seed，or they can be propagated hy side－ grafting in the Spring．Some doubts hare been expressed as to the hardiness of the mar－ row chestuut，but we linow a grower in north－ ern Ohio who has them eighteen years old， and healthy
February， 18
The Gardener＇s Privileges．－The ques tion was once asked by a very beautiful wo man，＂Why is a gurdener the most extruordi－ follorrs：＂Because no man has more busimess on earth，and he always chooses good grourds for what he does．He commands his thyme； he is master of the mint；and he fingers pen－ nyroyal．He raises his celery every year，and
it is a had year indeed that does not hring him it is a had year indeed that does not hring him minister of state．He makes more beds thal the king of France，and has more genuine ro ses aud lilies than are to he found at a country wake．He makes raking his business mor health and fortune，which ferv others find；his wife，morcover，has enongh of hcartsease，and never wishes for weeds．Disorders fatal to others never hurt him；he walks and bustles
and thrives most in consumption．He can boast of more bleeding hearts than you can， and has more laurels than the Duke of Wel lington．But his greatest pride，and greatest envy of his companion is，that he can have yew when he pleases．＇

Iowa Apples．－Mr．Burr Andrerrs showed the editor of the Deventport Democrat a bas ket containing 100 apples which weighed 125 pounds，or an average of 20 ounces to the
apple．He offers to wager $\$ 100$ that this cannot be beat by any orchard in the United States．

## 物iscellany．

Tie Minerals in our Bonies．－In the ody of a man weighing 154 pounds，there are about $7 \frac{1}{2}$ pounds of mineral matter ；consisting f phosphate of lime， 5 pounds 13 ounces；car onate of lime， 1 pound；salt， 3 ounces 3,76 grains ；peroxyde of iron， 150 grains ；sil ica， 3 grains－making 7 pounds 5 oz．and 49 grs．，with minute quantities of potash，chlorine and several other substances．The rest of the system is composed of oxygen，hydrogen，mi trogen and carbon；one hundred and cleven pounds of the oxygen and bydrogen being combined in the form of water．
Though the quantity of some of these sub－ stances is rery small，it is found absolutely ne－ cessary to health that this small quantity hould be supplied；hence the importance of rariety of food．If we furmish uature with al the material required，she will select such as the system needs，and that always just in the proper quantities．

Thivgs Woreth Krowing．－A bit of gluc dissolred in skim milk and water will restor ld crape．Half a eranherry bound on a corm will soon kill it．An inkstand was turned ore upon a white table cloth；a servant threw ore it a misture of salt and pepper plentifully，and all traces of it disappeared．Picture frames and glasses are preserved from fies by paint ing them with a brush dipped into a mixture made by boiling three or four onions in a pint of water．Bed bugs are kept away hy wask gh the crevices with strong salt water，put on with a brush．Soft soap should be kept in dry place in a cellar，and not he used unt three mouths old．
Iv a work entitled＂English Eccentricities，＂ recently published in Londou，may be found the following extempore prayer，attributed hy the author to a certain Mr．Ward：

Lord，thou knowest that I possess nine houses in the eity of London，and that I hare recently bought an estate in the county of $\mathbf{E}$ ex．Preserre，therefore，I pray thee，the $1 \pi$ ounties of Middlesex and Essex from fres au earthquakes；and as I have an hypotheeated estate in Hertfordshire，look also in eompas ion upon that county ；as to the other portion of the country，do as thou milt．Lord，eonsoli－ ate the Royal Bank，that it may honor its notes．Let all my dehtors be or heeome hou－ st meu．Girc a prosperous and speedy pas Fhich to the sloop Dermaid，for the insurance of which $I$ ann responsihle．Preserse me from rohbers aud brigands．Make all my servant． raithtul and devoted，that they may ratch ore day or hy night．＂

As to Bearn．－Von Helmont tells us that Adam was created without a beard，but that after he had fallen and sinned，beeause of the inful propensities whieh he derived from the ruit of the forbidden tree，a beard was made part of his punishment and his disgrace，bring ing him thus into nearer resemblance with th heasts，towards whom he made his nature ap proximate．The same stigna was not inflict upon Ere，because even in the fall she re－ tained mach of her origmal modesty，and herefore，deserved no such opprobious mark on Helmont observes，also，that no good au－ el ever appears with a beard；and this，he ays，is a capital sign by which angels may b
istinguished． listinguished．
Sugar in tiee Sandwion Islanns．－Th portion of the people of the Sandwich Island who for some time past hare been engaged in raising sugar，have found its cultifation quite profitable．They cxported $3,005,603$ pounds in 1869，and $5,262,112$ pounds in 1863，whilst 1864 the exportation had almost douhled having reached $10,414,441$ pounds．They als upply the entire domestic demand．Nev sugar plantations are constautly startcd，whils the area of land as yet untouehed which is said to he adapted to sugar cultivation，is very large．
If you are looking at a picture，you try to give it the advantage of a good light．Be as a picturc．

The Farm and Fireside is devoted to Agriculture，Horticulture，Stock－Raising，Rural Architecture，Market Intelligence，Literature and the Arts．It rcaders．The Literary Departmcnt is intended to instruct and amuse the farmer＇s better half and his clildren．Nothing will＇be published offensive to good rcaders．The Literary Departmcnt is intended to instruct and amuse the farmer＇s better half and his chaldren．Nothing will be published offensive to good
morals．In all its columns this journal will adrocate the best interests of the farm and the fireside．Terms $\$ \$ 2,00$ per jcar，in advance．Single copy， 5 cents．


Frawn ixpluitorture.

## A PENHEYLFATITA BARIN

We do not present the accompanying embellishment as a picture of the best bam in use; though, in sereral essential points, infinitely superior to the large majority of barns in use throughont the country. In some portions of Pennsylrania it is in high íavor with farmers; but, to be quite candid, we lave met with those laving suth a barn in nse who like it better in appearauce than practice. The picture, as presented, leaves all interior arrangements to be gucssed at; but hating made ourselves familiar with them, we find sercral objections, -the following being the most important:
First, a "ground floor" cellar, with thick stone walls, incapable of ventilation by lateral draught. We cannot stable stock in a edllar, nor even a cellar kitchen with one open front, without incurring risk of divers diseases ineident to damp walls and imperfect ventilation. Besides, we argue that, in order to secure the best condition of health and comfort to stock, the stable onght always to hare a sub-cellar to receive the manure and secure pertect draiu-

Our second olyjection applies to the enfrance floor und "bay" arrangements. Opposed 10 all backing down, or out, from any good work, c object to the one door principle. Drive in one crud, and ont at the other, is all go-ahead rork, and affords free ventilation when required, as it often is, by setting wide open both big doors. Two other strong oljections to a sitc entrance are, first, that unless the barn is out of proportion in width, there is ouly length enough admit one load of hay or graiu at a time; and if there comes up is sud-
den shower, as there often does in haying time, and there are two wagons loaled, only one can be got unter cover; whereas, groing ength-wise, in an cighty fect barn, three may entrance is, that all material put in mnst be entrance is, that all material put in mnst be
side of the ba one pitching puts the lay back We intend to present, by and hy, a moded viated, and several practical improvements in roduced. Owners of firms, or country es tates, having improved burns, may sencl ns photographs of them; and, it approved, w will have them engrasel for the Farne and Firesite.
ce and coe houser.


We are in the midst of the ice harvest, and a few hints on this valuable cron may not be
inappropriate. We have been acenstomed to speak of ice us a luxury, and to suppose that only the well-to-do could indulge in it. If ice is a lnxury, it is the cheapest luxury that can the largest liead to compreliend the number of ons of ice that are erery year wasted for th want of harvesters. We hare been surprised
to notice how small at hole we made in the lithe lake from which we lave been accustomed for years to take the thirty or forty tons requisite to fill our ice honse. The lake is estimate o contain a square mile; and as cach cubic lake alone will yield over a million of tons, a one haryest; and as the ice will make abont a fast as it is harrested, there seems scarcely
limit to the amount which one such lake will furnish; and this abundant harrest is reaped without the expense of planting or enltivating A lnxury so cheap as this, all may indulge in It is as free as the grass on the western prai rics. Not erell an excise tax is exacted npon
it. It is literally "without money and with out price." Why do not more avail themselre of this cheapest of lnxuries? Mainly for two
reasons. The first i , imnorance of its value and the second, the ider that an ice fouse is neeessarily an expensise structure. Lat n reat-grandmothers, a econtury since, ridiculed

bility. Timber rots so rapidly in contact with the earth, kept damp by the ice, that for an underground ice house we shouid recommend
stone, furrowed out with plank stone, furrowed oul ink flarcoal or saw dust
stone and stone and plank, fine charcoal or saw dust
may be placed. The lining of plank will in may be placed. The lining of plank will in
the course of time decay, but the stone walls will remain good for posterity. The bloeks of ice should be sawn perpendicularly, and of
ninform length and width, so that they may be nniform length and width, so that they may be packed closely. As with all this care some cracks will remain, thcse must be filled with pounded ice. The hauling and packing should
be doue on a cold day, with as little exposnre of the cakes to the sun as possible. When the ice house is filled, a few pails of water poured over the ice will tend to solidify the mass and prevent any circulation of air. Straw or sawr
dust shonld cover the whole before the mild weather of Spring comes on. A covering o six inches of saw dust is all sufficient; bnt as few ice honses are perfect non-condnctors, the ice gceerally melts a few inches on each side, as the summer advances, and this space must
also be filled with saw dust. As a square exposes less surface than an oblong, this is the best form for an ice house, and one with its interior a perfect cnbe ; that is, with its length, breadth and height equal, is the perfection of shape. A cnbe whose side is ten feet, will hold thirty tous of ice, enough for any ordinary family ; but as it costs but little more to
build a house twelve feet each way we should build a house twelve feet each way, we should
reoommend the latter size. The latter will hold 1728 cubic feet of ice, almost twice as much as the former; and if we have more than enongh for ourselves, we can enjoy the luxury of giving it away, and there is no ques tion that this is a luxury whether the ice itself is one or not. If the ice house is a cellar a
drain will be necessary to carry off the superfluous moisture, unless located in a sand o gravel bank.
We have thrown out the above brief suggestions, hoping that ice, oue of the great crops of New England, may be better appreciated.
The West may boast of her large crops The West may boast of her large crops of
wheat and corn, and the South of her rice and cotton, but with onr numerons lakes and our thermometers at ${ }^{\circ}$, we can excel them in a crop of icc. It is no small compensation for our cold climate, to calculate the amount of comfort which onr zero weather is storing up for the torrid regions and our own hot Summers. The only trouble has been that this
blessing, so near our door, has not been suffiblessing, so nea
ciently valned.
February, 1867

## Embellishing the farm.

Trere are many things that can be done on farms to beautify them, at times when other work is not pressing, which will greatly enhance their value in the estimation of
taste, and which may not be expensive. No farm house can be left without tre around it, to furnish shade in warm weather, and be inviting; and when such a farm is offered for sale, no onc will purchase it but a man
void of all taste, and snch men do not pay very high prices for farms.
Every farm house, and the surrounding buildings, should be in good repair, and well painted. The fences should be neat, especially those around the front yard, and immediate-
ly adjoining the house; and the gates should be strong and handsomely constructed, and all kept well painted, so that when a traveller happens to pass that way, he will exclaim, "that is a pretty place!"
It is true, these things do not always give returns to the owners in dollars and cents, ex-
cepting in cases of saring luidings cepting in cases of saving buildings \&e. from
decay, by the application of paint; but they afford much pleasure to the owners of such beantiful places, ifthcy possess any taste.
For what do we live? Is it solely to secure
what food and raiment that is necessary to What food and raiment that is necessary, to
keep soul and body together, or is it to cnjoy, in some degree, the bcantics of nature and art, which this world affords? "Behold the lilies of the valley, they toil not, yet Solomou in all
his glary was not arrayed like one of these." his glory was not arrayed like one of these. nificent flowers that dot every field in their season? Who made the thousands of varieties
splendid roses, and other flowers that adorn
our garden? It was the same Being who our garden? It was the same Being who no good purpose?
Farmers, you greatly mistakc your duty in his world, when you consider that you have nothing to do but to dig the earth. The very
dispositions of your daughters are molded, in a measure, by the means you afford them to cnltivate the floral kingdom-what may be grown in your yards and gardens at a trifling expeuse. So, too, is the acerbity of temper in your sons, ameiorated and tempered by cultivating a desire for the beautiful. Look wherever yon
may, and yon will find the farmer who ignores all respect for tidimess, and the embellishments of his home, where he is, probably, to spend his days, or a large portion of them, and you will find a man withont auy of the finer feelings of which limman nature is susceptible, selfish in ticularly desirous as a neighbor. On the other hand, when yon sce a beautifn dwelling, though it be ever sq small, with its
portals covered by climbing roses, its fruit yard neatly laid out, and well stocked with flowering shrubbery, its garden highly cultivated, and the whole showing a statc of thrift and prosperity, you will find a family who are ornaments in society, and who are living as What designed man to live
W hat signify the few dollars that it may cost o beantify yourhomes? You caz carry nothing ont of the world with you, and why not enjoy your lives, by making your homes attractive? Farmers, think of this, and turn lessening the products of your farm.

## 

WHAT IS THE BEST TEMPERATURE OF STA
BLES FOR WINTERING STOCK?
The temperature of stables best adapted for the health and thrift of animals is scarcely ever discussed. We do not remember to have secn try to determine the point. Some farmers talk
 ing stock, saying that the more warmth you get, the less food is required. Others would have stables quite cool, at least at that degree of temperature which results from boarding the sides up and down after the old style of barns, leaving the cracks or jointings betwcen the boaris open. They contend that in such quarters stock come out more healthy and lively in spring, and that if it cloes take a little more fodder, the gain is greater, on accoun
of the more robust condition of the animals. We remember to have heard this matter discussed by two extensive and experienced dairymen at the meeting of a town club, the one advocating stables built with stone walls and
partly under-ground, and the other stables standing high and with the old fashioned siding referred to. The latter disputant referred to some experiments which he had made to test the matter. Hc had two stables of the de and the other with walls, and partially under ground. He divided his stock keeping about half in each. Those in the urderground consumed the least food, but on turning them ont to water, the cold air scemed to pierce them with cold even in moderate weather, while the others seemed warm and comfortable. Toward spring he found them in a weak and unhealthy condition, and he was convinced the animals had been kept too warm. Hence he had
abandoned the stable, aud had never used it after for winterimg stock.
Of course there are extremes which must be avoided. If the stable is too cold, there will be a waste of fodder to keep the stock warm. If the stable is too warm, the animals will be subject to disease and in bad health, and the
loss from the latter evil will, perhaps, overbalance that of the former:
From experiments madc in England for the ture diff seeing at what degrec of temperaput on ferent animals would thrive best and put on fat, it was found that the temperature
bet ween 55 and 60 degrees was
the best results for animals of the short horn
breed; and it was found that oxen generally sweat at a temperature iu which heifers thrive admirably.
The question is of more importance than one would naturally suppose from the small
amount of investigation that has been bestowed upon it. Are we to run the risk of a wasting expenditure of food by prespiration under exccssive heat, or are we to iuduce the animals to waste it to keep up auimal heat by exposure to too much cold? And, then, another question eomes in here-will uot different classes of auimals, as well as animals of the same class,
but of different ages, be subject to different consequences from the same degree of heat? In the same stable some animals may be too hot and others too cold from different constitutions.
It wonld seem that we need some carefully conducted experinents to arrive at a point
which may be regarded as a standard. Our barns are now being constructed so that tem peratnre can, in a great meas ure, be controlled, and if there is a degree of temperature where animals thrive best, and at the same time with the most economical use of food, the fact is worth knowing. Our practice is very imper-
fect, and you can scarcely find any farmer who has given a thought to the subject, and yet in his practice he may be losing money in
a nseless waste of food or imperiling the health of his stock. The question seems the mor important to us, at this time, because the price of hay and grains, as well as stock, seems o be growing dearer and dearer every day In many sections of the dairy region the barns are being torn down and improved buildings
erected. If we knew just what was best and most economical, our buildings could be ar ranged to meet these conditions. We do things often too mach by gucss, and guess work often makes a waste of money.-Utic Herald.
TO BREEDERS OF THOROUGG-BRED AYR SHIRE CATTLE.
Thc undersigned, a Committee appointed by the "Association of Breeders of Thorough Bred Neat Stock," to collect the Pedigrees of
Ayrshire Cattle, request all breeders and owners of such stock to send in fnll pedigrees of each animal, with the fee of Fifty Cents each, that they may be registered in the Second Volnme of their Herd Book, on or before the frst of July next.
George B. Loring, Salem, Mass.
H. T. Colunss, Collinsville, Conn.

Willam Rtrnie, Springfield, Mass
Fss J. N. Bage, of West Springfield, Mass., favorably known in many public agricultural labors, has 'modertaken the cditorship of the new Herd Book, to whom all letters and mon ey should be addressed.

The Breeding Sow.--She should be square built, with short nose and ears, short legs and back, with latter hollow; shoulders should be
heary and deep; should not breed until a year heavy and deep; should not breed until a year
old, and never but one litter the first year Then, if she proves a good milker, let her raise two litters a year. I speak of her being a good milker. This is as essential in a brecding sow as in a good mare. Such an animal will raise better pigs, and, of course, her progeny will be better hogs for markct. I find that hasty pudding and milk for the supper aud breakfast,
and corn for dinner, constitute a very good and corn for dinner, constitute a very good
diet for a breeding sow. A great many farmer have fallen into an error in not allowing plenty of straw for a bed. Many bnild a warm pen in order to avoid giving mnch straw. Let he run to a straw stack and she will build a nest
to suit herself. If this is not convenient, she should have plenty of straw in the pen. At tend to these matters, and I will warrant no
trouble in raising pigs in the coldest weather. trouble in raising pigs in
Cor. Prairie Farmer.

The Country Gentleman is informed, on what it considers good authority, that uothing is better for withdrawing the frost withont injury to frozen ears, cheeks and fingers, than bing it on gently for a few times.

## Fatural 抩istary.

## EARTH WORMS - HOW AND WHAT THEY EAT.

Messrs. Edrtors: -I see that you have pub ished an article about the habits of earth worms, which useful little creatures seem to be nuch underrated. They may eat earth, a your anthor asscrts, but I have never seen hem do it, althongh I have seen them eat ther things with great voracity, and have also een them reject particles of earth which adhered to thcir proper food, such as dead spears f grass, roots and leaves.
I liave watched them feeding for hours at Ime, and retain a lively recollection of several rhenmatic attacks, resnlting from the wetting I got while so watching them. They feed at he surface only when the withered vegetation wet with rain or dew and is in a soft an liable state. When their food found at the surface is dry, and too harsh for their mouth to manage, they retire to the congenial depth of the ground, delighting in heaps of "long" manure, which they reduce to a homogeneous nass of compost with great rapidity, by conuming the vcgetable and undigested part thereof, thus transforming the matter from vegetable to an animal claracter, leaving the mass at its lowest chemical status, and so or the food of plants. Indeed, I doubt if an atoms of vegetation can decay and be again fit ood for other vegetable organisms without a ntervening decomposition in animal digestive apparatus. At all events, it is easy to prov that earth worms are the compost makers, an f we do not give them time to properly man ufacture their "product" while the manurc in the compost heap, they will appear in the heir work in the fields yields and by their boring and opening of the soil.
Their manner of eating is worth noticing. If yon seat yourself upon a grass plat or bc side the strawberry bed, during a light rain in warm weather, and have the patience to sit perfeetly still for ten or fifteen minntes, you will see innumerable worm heads protruding cantiously from the ground, and feeling around ntil a spear of soft and recently killed grass i fond. The worm touches it first with the extreme point of the head and then the poin retracts inward, much like the toe of a stock ing when yon touch it with your finger to commence turnimg it: then the worm shortens it length, the other end being fast anchored in the hole: this action makes a bight in the spear of grass, and the worm crawls along the outside of his supper until the parts diverge 00 much, when he takes another pull, and so on until the grass is loosened from its own roots and safely swallowed. I have observed that if a particle of earth adhere to the food, is shoved along as the swallowing progresses, and not allowed to enter the mouth. The final act of swallowing the end, and biting off he lump of root which is sometimes attached, I have never seen, as that is performed within the hole : bnt I have frequently seen the warm e-appear with a pellet of earth balanced upon his head, or it may be only the piece of root 1 dis supper was clean, which he deposits at the surface beside his hole, wheu he prowls around or more food while it is good.
When two worms seize oppositc ends of the same spear, the pulling and hauling is most comical, reminding one strongly of his early days when he strung grains of corn upou opposite ends of a string and fed two rival gobblers. The worm fight generally ends by the brcaktrength they both swallow nntil their head strength they both swallow nntil their heads tonch each other, when they both "get," lear-
ing the morsel, which they will not toach again. I have often seen these worms break ing off the dead parts of strawberry leaves, re jecting the living parts and have also seen then apparently suckimg the pollen from strawberry lowers. In the fall large tnfts of dead leaves may be seen drawn partially within the worm holes, possibly by way of stoppers to kecp out
the cold.-Cor. Scientific American.
 Tue
hibited.

Agrioultural Jocrvals.-It is impossible to exaggerate the advantage to the farmer of reading-yes, of studying-all the agricultural newspapers which
he can obtain. Therc are in this conntry at least one dozen publications of the kind, which, if he can possibly aftord it, the farmer slould subscribe for. No he can obtain. Therc are in this conntry at least one dozen publications of the kind, which, if he can possibly a tord it, the farmer should subscribe for.
one who has done so and read then will deny that at the end of the year he has ssved liis money over and over again-and yet how many farmers there Who do not take one such journal-to say nothing of a dozen? Farming is, hoveverer, every day getting to that stage when reading and a high grade of in-
telligence will no longer be a matter of opinion, but a downight question人2

## The Fixda.

## DIFFERENT KINDS OF GRASS.

Kentuoky Bu.ce Grass is the prineipal grass for permanent pastures. It is known by other names, as June grass, from the time its seed
ripens; grecn grass, from its color in the Northern and Middle States aud Virginia; but in Kentueky and the Western States, where the climate and soil of many parts of those States are very favorable to its growtlh, it is known by the name we have given it. Here it aequires, from the vigor of its growth, a blue tinge of eolor. From its tenacity of life and from its general use, it will be found to occupy all waste fields in a few years. Although it is the weakest of all grasses in the first year of its growth, yet it roots out all other grasses, it forms the thiekest of all sods, and will continuc to produce bountiful annual pastures for at least fifty years, and perhaps indefinitely. In some parts of the United States there is a grass coarser than this cultivated, called the English blue-grass ; it is an English variety, as its name indicates; but, like most of the grasses of that
country, it is ill adapted to such a dry elimate country, it is ill adapted to such a dry climate
as ours. When begiming its growth from the as ouns. When beginming its growth from the seed it is easily killed by the July drought, and it never sprears in a eontinuons aud hear-grass.
sucli as is formed hy the Kentueky blueIt endures the cold of the winter, remaining greeuer than the Keutucky blue-grass, and may be advantageously mixed with it, beeause, growing iu strong tufts, it upbolds the long, sleuder blades of the Kentucky variety.
The Oroeard Grass.-In Englaud this grass called the eociksfoot, from the rescmblanee of its seed-head to the foot of that fowl. As
it is a grass not properly appreciated in this country, we will dwell longer on its description thau on any other. Cocksfoot is proLably the best known and most productive of our indigenows grasses. It grows naturally to a height of from two to two fect and a half, and produees au immense quantily of nutritious leaves and foliage. Its only fault is that its habit of growth is tutty, whieh gives a somewhat uusightly appearanee to pasture land. It is not, however,
so liable to get tufty when combined with other so liable to get tufty when eombined with other Cocksfoot soon arrives at its full productive powers frou the time of sowing, aud yields an extremely large hulk of hay, reproducing its herbage also very rapidly after being cut. It is well adapted to sow, either for hay or grazing, in any course of rotation whatever. When kept low it is a most valualle grass in pasture for the first four or five years, as after that time it seems to die out if constantly depastured by cattle, more so if by sheep, and gives place to the smaller, finer leaved sorts. The cocksfoo lives and thrives best on a medium, loamy soil, giving a rather meager return when grown upon very stiff elay or light sand. It is exceediugly luxturiant when growing in deep, moist soils, under the shade of trees. Wheu grown upon a fertile loam, with a frec, porous subsoil, into which its fibrous roots can penetrate to some depth, it then becomes productive in an extraordinary degree ; but if grown tupon a thin, surface soil, with a stiffish subsoil, the produee is much less, and the plants are also liable to he drawn out of the ground by the cattle when grazing, owing to the slcnder hold which the
roots can take. The cocksfoot grass is fouud to compose in large proportion the herbage of some of the most famed pastures in Devonshire, Lincolnshire, \&ec. It yields a weight of hay muel greater than that of rye grass, and
its hay is also much superior in nourisling its hay is also much superior in nourishing properties, and contains most nutritive matter when the seeds are ripe. The blue-grasses uave
a spring and fall growth only ; during the summer their yield is small; timothy is slow in its growth after it is mown, but the orchard grass grows rapidly during all seasons. It is the earliest grass we have, and it remains green during the winter. Its strong tufts uphold the snow, and hence it is well suited
grazing, by sleep, in deep snows
Thmotiry.-Ncarly all the hay which enter into the commeree of this country is made from
this grass. It has greater weight and more nutriment in the same lulks than any other kind. Its great yield, its adaptation to lands too moist or wet for grain crops, the time of its maturing
being after the grain harrests, make the timo thy the very best of all our grasses for lay. Cut at that time, when it retains the ripened seed, it unites more thau other grass the uutri tion of the seed with an undiminished value on the stalk and leaves. The elange it undergoes is very gradual, and henee delays from the de mands of other work, or unfavorable weather are not usually injurious. Its defects are, that it does not start early iu the spring; that the aftermath grows slowly, althonglh it is rery nutritious, and that when fed alone as hay, it is binding from its heating qualities. For the farm stoek it is best to feed it 'with the less heating tod
This grass is indigenous to Great Britain where it is called eatstail, from the resemblane of the paniele to a cat's tail. But in this com try it has derived its uame trom Timothy IIanson, who was the first to luing it iuto publie
Red Cloyer.-Although this plant belongs o the leguminous family, yet in common use the word grass embraces clover, aud from tiis fact and its use as a grass for hay and pasturage it is here notieed as a grass. It oceupies a higher position than any other grass in the ccouomy of the farm, for its hay is unequaled tor farm uses. Its second erop yields a seed of great commereial value. As a pasture, from the beginning of May to the first of September, it is superior to any other; and, as a tertilize for the soil, hy plowing a full clover crop under, it las no equal in any other plant. To its ing root, which penetrates deeply, adding to the depth as well as to the fertility of the soil. As a pasture it is hetter adapted during the summer season to fattening purposes than any other grass for all farm stoek, but especially for cattle, hogs, and sheep. Its adaptation to fine summer butter-making has rendered the hutter of New York very superior; and its suitalleness for loggs has assisted much to swell the pork produet of the West to its greatness. The red clover is of two kinds-the small, blooming twiee in the season, the second of whieh is seed-produeing, and the large, whicl blooms hut onec. The latter is not yet generally
known, being linited to a few localities. It is far more productive than the small, grows com paratively better on poor soil; but the hay is coarse. The time its secd ripens renders it well adapted to mixing with timothy, whieb, by its
strong growth, assists iu holding up the elover, strong growth, assists iu holding up the elover,
for it falls on the ground wheu raised by itself aloue. The oljections to clover are, that, hav ing a root with a crown, it is forced upward by the expansion of the soil in winter freezing, and is ofteu frozen out. To a consideralle extent this may be helped by rolling iu the spring. It is a biennial plant, and not perennial, and hence requires to be resown often. But it read ily seeds itself when not pastured too closely in
the fall, and meadows of mixed clover and the fall, and meadows of mixed elover and
timothy will cndure many years without breakiug up.
Red Tor.-In low, moist, or wet situations, the red top is an excellent meadow grass, for it is finer than timothy ; but in dry grounds it is other kinds, yet yields lightly.

California Agriodliture.--The San Franciseo Bulletin reports that in Califoruia there are alout $4,000,000$ acres of land enclosed and 1,750,000 under cultivation, as compared with The greater part of the iuerease is reported from the miuing counties, the people of which are begiming to turn their attention to agriculture. There were in 1866 over 500,000 aeres planted with wheat, and the yield for last year was about $12,000,000$ bushels, as combushels of barley were raised in 1866 .

Experiments in Sueer-Ralsing.-The Maime Farmer says that H. G. Abbott, of North Vassallioro', has for several years been making experiments in sheep-rearing, in the effort to obtain a medium brced hetween the Spanish and natires, so as to combiue a good quality of
Wool with mutton, each point being about equal in value. He has suceeeded in producing a flock of wery fine appearance and quality

The TPoultry 䈠ard

## POULTRY AND POULTRY HOUSES.

As in the management of mïch cows, with fowls, it is as neeessary to fieed and to
quarter, and to eare for and srlect your stock vith judgment. An ordinary breel of hens, rell housed and well fed, will he of more profit to their owners than the like number of est laying tribe
It beeomes us, therefore, to build houses for our poult:y, convenient for their habits, and enuvenient also for our own; for if attendance trouble, they will often be neglected. In building, therefore, let the house be handy for the hens, and as handy for yourselt as possi-
ble ; and of the two, we would say, iu preferble; and of the two, we would say, iu prefer-
enec, make it luandy for feeding, and for eleanng and warming aud ventilation, as the hou or season of eael comes round.
Let their feeding hoppers and water fornains be in the building, or they may oe easionally lose a meal when you are too tired
to go after it. Let the facilities for cleaning heir apartments he always at land; or the atmosphere of their domitory may clance to eason let your windows work easily ; and hy all means white-wash the interior of the house oosts, nests and all.
It is well known that hens are modest birds and seck seclusion and privacy while the symptoms of approaelingegy-labor are stroug upon hem. It is thought hy many that the produeion of cggs is like the yielding of milk in Cow, somewhat under the control of the creareut to stimulate the instinct of nature, and coas a fowl of prolifieacy hy consulting their tastes and whims, and making the nests as ecret as possilule.
The principal cousidcrations of a poultry ouse are warntb, light and ventilation. Warm will be healthier and will lay more eggs. Venilated in summer and in mild winter weather; because fresh air is alsolutely essential to all
animated nature aud partienlarly to the forml. Well lighted, because the fowl delights to be in a cheerful place, aud to bask in sunshine admitted through the wiudows of their tenements in cold weather.
Whatever the breed or number of fowls iu ended to he kept, provision must lee made for their confort and safety. Fowls attaelied to arm-houses lead a happy life. They have air they wauder about the farmyard, visit the adjacent fields, travel over the common or down the lane, troop about the barn, aud en-
joy the greatest freedom. But horr are they housed at night? Ofteu iu a proper and wellconstrueted pouitry house, with pcrehes juhicously arranged, and with clean and cou times in places utterly unfit for them, they are allowed to fiud a place to roost whero they ean, prohally in some exposed place in a tree others shelter in adjacent out houses, and some in the stable.
This want of order cannot be too much coudemued. The hens having no proper laying places, seleet such as chance may offer them, cealmeut, consequeutly a safe and convenient fowl-house should have their exelusive dormi-

Farn-yard poultry are in geueral healthy and vigorous, uimble on their feet and light on their wings, and the feathered denizen
of the yard of limits;d; pa
$=s$ iu a illage, may well
But in poultry is w.ing, as in every other pursuit, we must commence without counting the cost, nor fancy that the purelase of fowls stbe only or chief thing, and that when ouce other kind of farm stock was set adrift, and expeeted to do without regular feeding and attendance, the result would be a miserable failure and loss; and so with poultry; suceess
need never be expected without the uccessary outlay of eare and attention.

Oxioss any Potrmer:-Scarcely too much
ean le said in lraise of ouions for fowls. They scem to be a preventive and rencedy for varions diseases to which domestie fowls are lia whe
Having frequently tested their excellences, we can speak understandingly. For gapes and minous aro therefore
pecially
eot, foung clicks, as namy as they wil They should be fincly elopped. A sinall addition of corn meal is an improvement.-(fien-

To have bens lay in winter, you must give Whiscellany. FARM WORK IN WINTER.

Ir is ofteu said that farning might be made profitable, could the fariner adrautageously emeares and duties of that season. It is true when the earth is locked in frost and buried with snow, little ean he doue to adrance the labors of the coming Spring. But when the earth is unemeumbered wilh snow, even i about the farm and buildings, as readily as at auy time, in mild seasons. Stones can be mored and grounds eleared for the plow and rillage or to the fields; material prepared for feucing; bean poles aud pca lirush cut and fitted for use ; a year's stock of fuel preparech, and many similar jols that the watelful and intelligent farmer will readily rceognize. can be as adrantageously done at this season as at any done amidst the pressing eares done amidst the pressing eares aud hurry of sides these, many trilling thiugs, though indis pensable to the tarner's sucecss or prosperity should he attended to at this leisure season,
which will greatly forward and facilitate the Work of the comiug Spring; such as the formation of plaus, proeuring new tools or repairing old ones, proeuring all necessary seede, and marketing erops if any yct remain. These are
all neeessary jobs, if bringing in no imunediate profit; and, if uow omitted, will occupy nuch valuable time next Sumner, when you will
hardly know what to do first. Unimportant as they may seeun to some, uo prudent farmer will ncglect them till the hurrying season. Any farmer wbo is up with herimes, and coes husiner, need not he idle, eren in Winter. If the
 son, the mind surely can; and this is an impor taut duty and wadl result as profitably as any legitimate labor.

Tue Duke of Rutlaud is well known as one of the most extensive landholders of England.
His estates in Leiestershire extend over one sistecuth of that country, aud eomprise 39.00 acres, which are let to 12 年 farmers in farms of from 50 to 750 aeres caelh, and, yield an aunual ental of $\$ 500,000$ in gold. A prize cssay, re ciety in England, does not regard this massing f large amounts of laud under one propricto s of any benefit, but says that "Leicestershir owes its surpassing fertility and highl rental to pains takeu in its improvemcut.

Eoting Suebl- - The most approved form A suleep is general roundness of shape and the ribs well arehed, the hack and loins broad flat and straight ; the limbs should be short in proportion to the body, the head small, the ears thim, the skin soft and clastie, the wool soft to the touel, thick, and coming well forward to the face, but not corering it. The faee and forehead should he clothed wilh short
hair, and the eyes should have a lively expres-

Oer Womperfel Climate.-Here we are in the midst of what is conventionally called "winter," with roses blooming in the open air, strawberries tionagas in summer, orange trees in blossom where there are any orange trees at all, bonquets of open air riolets selling at a bit on the strects, secon
crop apples that have just ripencd exhibited in market, aud grapes that have nerer suffered from contaet with sawdust, sill plump, plentiful and cliea at all the frrit stands. Gardening to supply the city with early vegetables has aetirely commenced around the bar,

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SATURDAY, FEBRUARY 9, 1867

## MANURES AND FERTILIZERS.

No farmer is unmindful of the value of manure, or of the importance of making as mueh as possible from his stock and by comsatisfied as to the most araitable method of ap plying their manures or fertilizers. They may be applied both in liquid and solid form ; the first having the advantage of producing early and quick eriect, and thus returning a profit in
the shortest possible time. But American farmthe shortest possible time. But American farm-
ers have not nsed liquid manures to any great extent; perhaps experimenting in the garden, or oceasionally on the flower bed. Near large being a ligh market price, there ean be little donbt of liquid fertilizers being by far the best and eheapest. Solid manures, from the barn yard or from the compost-heap, have the add
vantage of less preparation; they also afford a larger variety of ingredients and are generally more durable than the feitilizers of commerce. All kinds of manure should be proteeted from the weather, either in sheds or under-
gromad stables. No intelligent man will fucstion this. If left out for the rain and sunshine to aet npon, it will lose much of its value.
The soluble ingredients will be worked away by water, or the ammonia escape by evapora tion. Fermeuted manures are always wastin
away by volatile notion, and unless protecte from the weather, or composted with of he substanees, the ammonia will certainly escape.
We frequently see this proved in the application of fertilizers to the surface of land, i top-dressing and broad-cast manuring. Guano be plowed under, rather than left ou the sur face.
It i It is a nice point to understand what fe
tilizers are best adapted to certain soils tilizers are best adapted to certain soils. Som
require mineral ingredients, some lime an plaster; others the lighter mannres, like guan and the different phosphates. Bonc dust has powerful effect on nearly all soils; and when pure, is one of our eheapest and most durable
fertilizers. In process of time, all soils change their eharacter to a certain extent; some by having their natural constituents abstracted by plants; others lyy extra feeding and oceasional
fallowing. We shall pnrsne this sulbject at a future period; and, in the meantime, woul recinest our farm-tionds to give us their exand artificial.

## QUESTIONS.

Pemit me to ask a few qquestions through the medium of your jommal. I hope they will clicitanswers.
Are the Bramah, Chitagong and Cochin China, distinct varieties of forls, or are they only subvarieties of the Shanghae or Asiati breed? W-hich is the most profitable breed to raise for eggs, and which for poultry? C.m a farm, provided they are separated in different euclosures at some distance from eaeh other, dred together?

What is the best method of reclaiming worn-
ut lauds? out lands?
What are the best and clueapest fertilizers, next to stable manure
What is the valne of good peat as a fertilizer aud what is the best method of preparing it for the soil?

Tobseeo raisers in Western Massaclrusetts will be glad to hear that sales of the artiele have recently been made. In Hatfield, one
fammer sold his cripp of $186 t$ at $2 t$ cents, and the fammer sold his cripp of 1864 at 24 cents, aud the
wrappers of the 1866 crop at 18 e . In Hadley, a sale is reported at $1 こ @ 20 c$. One or Amherst are reported at 11@12c. SRND A STAMP.-Specimen numbers of the FARM Ayd
Fireside will be forwarded to any address, on the receipt of in

## FISH BREEDING

So easy of accomplishment is the clomestication and propagation by artificial breeding, of several of the best varieties of American gamefish, and so important is the sulbject of a better and chcaper supply of fish, at all seasons and at points remote from market, that the wonder is that none of our popular and profitable jommals have taken the suljeet in consideration; teaching the pulbic how and by what means to aceomplish so clesirable and profitale a pursuit.
As we have often "dropped our lines in pleasant places," tempting the tront, salmon and pike ; and as the great family of fish has no journalistic representative at present, we propose to write a series of articles for the Fapm and Furesine on the cnlture of fish, being conficlent in the ability of onrselves and assistants, to inculcate an elementary eduea-
tion on that neglected art. If we fail to nterest ond benefit our readers, it will not be for laek o: enthusiasm or experience.
We have now, in the hands of artists and ggravers, some beautiful illustrations of varins poud, brook and river fish; and shall prepare plain and practieal aricles aescriptive of their peeuliar labits, fecmndity, and value for
the table. In addition, we propose to follow the table. In addition, we propose to follow pleasure and profit. There are few farms, or conntry seats of five or ten aeres, in the county, upon which an eligible site for a fishpond cannot be formd; and the cost of preparation and sueeessful propagation will not require an average ont-lay more than that of an ordinary poultry establishment.
Phladelpina Society for Pronoting Ag riedlune.--The February meeting was not so finly attended as that of the previous mouth. As our journal goes to press several days in adance of its clate of publication, we are comings until next week.
There is a prospect that this Soeiety (the oldest Agricultural association in the United States) : will become rejnvenated, and its in-
Huenee greatly enlarged. We cannot see why inenee greatly enlarged. We cannot see why is monthly meetings should not muity. Its members number many of our best farmers and retired agriculturists; and as o praetical ability, we know of no society its uperior. We employ a special reporter to give our readers a full aceount of its proceed
ings. This will add another feature of interest to thic Furm and Fireside.

Tue total hog crop of the west for the winer of 1866 is stated at $1,406,239$, as com Chicago paeked 382,000 the present seasou; Cincinnati 330,000 ; St. Louis, 136,000 ; Louis ville, 162,000 ; NIilvankee, 86,000 ; and Indiauapolis, 50,192. Iu 186.5, Chicago packed 501, Lousville, 91,000 ; Nilwaukee, 12,000 ; and In dianapolis, 36,000 .
Trout Fisingg on the Iee.-The Bangor Whig says that splendid tront are canght this season throngh the iee of the lakes and streams of Maine. Hon. Hannibal Hamlin and his nephew went to Mt. Desert last week, in de-
fiance of cold whieb would have daunted an Esquimaux, and brought home about a sleigh load of these splendid fish.

The Budd Fam, containing one hundred and fifty-seven acres, sitnated near Darison's Mills, in Middlesex county, New Jersey, was
sold at auction on the 1 th of January, for $\$ 70$ per acre, the purehaser being Abraham Voorhoes, Esq., of New Brmuswick. Before he left the premises he sold the farm to Ralph C. Stults, Esq., for \$T5 per acre, thus making nearly $\$ 800$ by a transaction which occupied but a few mimntes.

## LOCAL AGENTS.

TVe wish to appoint a loeal agent for thi journal, in every town and county in the
United States. Our terms are liberal and vorthy of attention. Apply, at onec, to the Puiblisher.

## UNINTELLIGIBLE SCIENCE

IT is unfortunate for the general cliffusion of the great truths of science, that learned men have always amused themselres, as it were, by hrowing dust into the cyes of the unlearned; lothing the listory of their investigations in pedantic and technical language. We can comprehend why the medioal man shonld wish to conceal the nature of his remedies from the nervous patient by using a hieroglyphic to whieh only the profession possess the key; but it is quite inclefensible that inresting and elevating snbjects, shonld be mass of readers who have not time to master the slang of each branch of science, by the adoption of an arbitrary vocabulary; itself requiring study. Althongh in nature every-
thing is sublimely simple, the imitiated render cverything eomplieated by overlaid explanation, coneealing their ignorance, perhaps, by ormidable words.
We wonld be pleased to see a clange in the matter of scientific clescriptions. Each writer should endeavor to divest his artieles of all verbiage, and come down to the common sense of common people. Of course, there are techniealities which are the very fundaments of iutelligible seience; these cannot be gnored; but there are many others which instead of being anxiliaries to clearness, are nere "helps to obscureness." There are huudreds who have not had the advantages of au education, who hare no access to a library, and camnot afford to possess one of their own. Neither will the active duties of their everylay life allow them to take up a plodding, systematic course of study. They possess much general intelligenee, acquired in spare moments from misecllaneous reading, and de-
pend for an aecumalation of such intelligence perhaps solely on their weekly jourmals. Hence we conceive it to be the duty of the editors and contributors of such journals to be as terse and porspicuous as possible. It example: when speaking of the witch hazel familiar to almost every one, why not call by that name instead of IHamumelis Virginica,
or say slaty granite, instead of Gneiss? Or, i or say slaty granite, instead of Gneiss? Or, pensible, why not at least follow the technica term with the common term in parenthesis? Fortunately, agricnltural science is not much befudded wit verbose technicalities The experionces of common men, convesed to the world through the vehicle of simple Anglo Saxon, are building it np in importance and stability. Where it rerges into chemieal botanical and geological seicuee proper, it be eomes fedions and obseure to unlearned men. and elearmess of exprens induce them enter those broad fields of instruction and de light, it should be clone; their edueation to a full realization and understanding, would then ve comparatively an easy matter, for we lear that the most easily which delights us most.
This eatrencbing of science behind a breastwork of technical terms and jaw-breaking nomenclature, is what makes an attack upon it seen a formidable one; often it is mere ubbish-learned lore, thrown up by the pades of pediuntary and displas. Untutored yet practical men, are deterred thereby from presenting their diseoveries and experienees This is wrong; it is the aid of just such me that journalists are the most solicitious to secure. Thoronghly proved facts are to b preferred to vague theories; practical sngge tions in bad grammer, to silly vaporings in the
elegance of langnage. Scienee is made up of facts, discoveries and the results of multitu dinous experimenis; hence each of these, hough seemingly a trifle, is of importauce in he grand lesult.

A Hapry Fresside.-Home is the residenc not merely of the body, but of the heart; it place for the affections to unfold and deve and play in; for lonsband and wife to toil milingly together, and make life a blessing. The object of all ambition should be to he happy at home; if we are not happy there, we
cannot be happy elsewhere. It is the best proof of the rirtues of a family circle to see happy fireside.

PENNSYLVANIA AGRICULTURAL SOCIETY.
IN our notice of this State Society, last week, we inadvertently owitted the names of the

 Peters, Dauphin ; John H. Ziegler, Dauphin; Jobn Way, Jr., Haideman, ex-President Thomas P. Knox.
 Libinimid.,-Henry Gilbert, Dauphin.
The Society adjourned until the third We

W00I.
Tine following tabular statement shows the ariation in prices of fleeee and pulled wools tire United States druing eaeh month for the past four ycars:

| 1863. | 186. | 186 | 1866. |
| :---: | :---: | :---: | :---: |
| 58@ 75 | 73 \% | 85@107 | ${ }_{35}^{45} 96$ |
|  |  |  |  |
| arch.. Pleece. 9680 |  | 700 ${ }_{60} 97$ |  |
| Fulled. 8095 | ${ }^{60} 88$ | ${ }^{50} 5$ |  |
| $\xrightarrow{\text { Fleece. } 70}$ Pilled. 80 | $\begin{array}{lll}70 \\ 65 & 87 \\ 78\end{array}$ | ${ }_{50}^{60}$ |  |
|  | 73 650 83 | 50 <br> 50 <br> 50 <br> 80 |  |
| Flecee..651/2 77 | 75105 | 50.80 |  |
| Pulled. 63.78 |  |  |  |
| Fivece.. Filled. $63^{63}$ | ${ }_{70}^{85} 100$ | ${ }_{45}{ }^{5}$ |  |
| Fleeee. 63 | ${ }^{90} 5125$ | 50 40 80 |  |
| Sept.... Freece. 60 | ${ }_{75} 110$ | ${ }_{60} 8$ |  |
|  | ${ }^{630} 80.110$ | ${ }_{50}^{45}{ }^{40}$ |  |
|  |  | 45 40 40 40 |  |
| Pulled.. 6780 | \%5 1100 | 40 65 |  |
| Mreece..75 Pulled. 70 76 | ${ }_{50}^{90} 115$ | ${ }_{40}^{50}$ |  |

The average priee of domestic flecee wool in the United States, from 1827 to 1861, was, for fine, 73 1-10 cents; for medium, 42 8-10e, aud or coarse, $3: 5-10 \mathrm{e}$. Average price for fonr years, from 1861 to 1866 , (during the war), for
fleeces, 63a8se; for pulled, DGa61e. Average rriee for the year 1866, fleeces, 45a72c ; pulled, 29a6+e.

Beef-Cuthing up and Preservina.-In ap beer for salting, regard should be had to the size of the pieces, and their relation o each other when put down. Iu other words, family resemblanee should ve preserved in the different strata, as placed in the barrel. When designed for family nse it will be found convenient to cut into pieees suited to a day's
consumption. For preserring the meat the N. E. Farmer says: "Paek the pieces in asks, giving a slight sprinkling of salt between ach piece; eover with a pickle by boiling together, in four gallons of water, eight ponnds of salt, three pounds brown sugar, three
ounees salipetre, one oumee pearlash, for one hundred pounds of meat. Keep a flat stone on the ment, that it may be immersed in the pickl. Put down in this way, beef will keep a year, and rather improve by age.

Hon. Levi Baptlett of Wamer, N. H., writes to the Country Gentleman that on a fum adjoining his there were raised this year fifty bushels of ears of pop corn, on threefourths of an acre, for which the farmer receired $\$ 1.50$ per bushel- $\$ 75$ for what grew

Mr. Colby, of southern Illinois, has inventa machine for catehing curculois by horse power. It is simply an extension of the hand shect and jarring process. Two men and two boys can visit 1000 trees per hour.

HOW TO OBTAIN THE FARM AND FIRESIDE. SEND Two Dolsass to the Publisher, by mall ; or, if there
be a news-dealer near you, order it of him. The Farki Anv mysteries of the mechanic arts.
practical duties of their calling.

## Fre Frielal.

## concentration in cropping.

Writen for the Farm and Fireside.
Tue expcrience of all mereantile or manufacturing husiness life, exhihits the faet that, concentration of mind and thought on one particular hraneh or pursuit, is necessary to insure suceess. The man who attempts the prosecution of all branches of merelandising, or to superintend and direct the movements of various manufactories, generally fails. If this he so in pursuits where intelligent assistance
can be employed, it is evidently apparent that can be employed, it is evidently apparent that
he who, in rural life, attempts to prosecute all the raried operations of the farm, garden and nursery, with only such assistance as can be had from common lahorers, will meet with many a failure, oflentimes leading to a discouraging helief that there is no profit in the cultivation of the soil.
It is a common rule to adrise, and to pracice, the numberless ocenpations of the farmer, gardener and orehardist, with the occupancy of the soil; whether embracing a territory of ten or a thousand aeres, and whether the occupant has one dollar or a humdred thousand of capital. It is true there are instauces, near large eities, where the growing of some one erop for the daily market is made the leadiug feature ; but, as we have said, the rule thronghont the country is the reverse. These instances however, gire eridence of the fact that a steady atteution to the cultivation of some one or two crops, produces certain and remuncrative returns; and celery, pie plant, strawberries, etc., each in their turn exhihit profits of no mean amount when skill and attention are given them; while the man who grows a little of each with a hundred or more varieties, finds his account of profit and loss generally made up with the heaviest itenis on the loss side.As in merenutile or manufacturing life, so in the cultivation of the soil, the eye to direct to profit must he well inforned; and as in business or mechanical life it is not possible for
one mind to grasp thorouglly and intelligently all sulbjects, so in rural occupations, where the skill is cren more requisite to success, and where knowledge is only had hy constant daily study and practice, it is utterly impracticable for one man to guide and practice with success a diversity of crop growing.
While we would not discourage the growing a little each of all the small crops that assiss in the making up of house wants and family comforts, yet the eridence all over this country, as well as alroad, is, that he who seeks profitahle returns in a pectuniary view, must confine himself to the prosecution of such labors as he fully and thoronghly vaderstands.
The owner of a thousand acres, with his hundreds of fine cattle or sheep, finds no profit in tha growing of strawberries, and often ridicules the idea of making money thereby; while the grower of a five acre patch of strawberries who by chance happens to raise a colt, laughs at the idea of profit therein, after he has fighured up the time deroted to its feed, breaking, de., added to the expense of hay and meal, for four years support, ere it is of practical ralne. And yct caclı man in his pursuit of cattle raising, or straiwbery growing, foots up a yearly balance of profits. Each pursuit, therefore, gires evilence of its ralue
as a paying occupation, while it also exhihits the necessity of knowledge and concentration of thought :and attention thereto. It is not requisite tor profit, eren in the culture of small fruits or of garden root crop products, that the loeation should he near a city-although suel location would, of course, add thereto. But it is esseatial that sufficicut of cach and every
thing he grown to enahle the grower to derote time and knowledge sufficient to its culture to insure a prodnct of quality commanding ready sale when taken to market. Small fruif, such as strawherries, raspherries, etc., can be dried or canned, or jellied to a profit, and often the
ralue of lends, with cost of lalor in their reduction, fully compensates for the increase of price when grown and sold as green or fresh fruit near large cities; while the larger and less perishahle fruits, such as apples, pears, de.
have the ndvantage when grown on cheap In three years tlie proprictors cxpect to have lands. Railroad transportation is now every where, and the cost yearly being reduced, so that a paying crop near a large cily may he made equally one when grown miles away therefram, provided the grower concentrate his knowledge and lahors to its perfection, and that on a scale enalliug him to market it without more loss in ralue of time than the amount of the erop.
February i, 1867.

## medicinal qualities of pumpkin.

At a recent discussion in the New York Farmers' Club, a correspondent writes of the rirtues of the pumpkin
"I will give you a simple, yet very raluable cure, for inflammatory cheumatism. A woand painfully inflamed. A poultice was mad of stewed pumpkin, which ras renewed every fifteen minutes, and in a short time produced a perfeet cure. The fever drawn out hy the poultices made them extremely offensive a they were taken off. I knew a mau cured of
serere inflammation of the bowels hy the same kind of application. I think such subjects as this proper for discussion in a farmers' cluh."
Dr. Snodgrass-I have no doubt pumplins make a good poultice. Whaterer holds

## and warmth best is the most suitable.

Dr. Suitif-Iu my travels in Syria, I found pumplein seeds alunost unircrsally cateu by the qualitics. Not because they are diuretic, hat as an antidote against animalcule which infest the howels. They are sold iu the streets a apples and nuts are here. It is a medical fac that persous have heen curcd of tape-womm by the use of pumpkiu seecis. The outer skin be ing removed, the meats are oruised in a mortar into an oily, pasty mass. This is swallowed by the patient atter fasting some hours and it ak es the place of chyle in the stomach, and the tape-Trorm lets go its hold of the membrane
and hecomes gorged with the suhstance, and in some measure probahly torpicl. Then large dose of castor oil is administered and the worms are ejected before they are able to renew their hold.
Dr. Tmimble said that it is supposed that hots in horses hold on with hooks upon the stomach in the same way, and that they let go when the horse is fed with sweet apples.

Ex-Goveraon Andersor of Ohio recently purchased 10,000 acres of stazing land in Lyons County, Ky., and is now stocking with choice sheep

## 1s iscioulture

## FISE BREEDING.

Messhar. Francis and Alfred S. Davis, of this town, have obtained a tract or land on the side of Beech Hill, through which runs a small strean, and raised an artificial pond of some trout, This has already been done with good suce:ss and profit by experienced parties in other places, and the Messrs. Daris are confident of a successful result to their experiment Duhlin pond, which are of the hest quality of any in the county. The process adopted something as follows: Two ponds are neces larger one for the older oues, which must he kept separate, to prevent licir eating up the maller fry. The spawn is obtained about the month of Oetoher, by squeczing the femald
trout through the haud, when it is placed in the sparming house adjoiniug the smaller pond which consists of a large how with the proper depth of ruminis water orer a sandy botiom. Here the spawn remains till January. when it hatched, and after a proper lengtl of tim they thrive, in two years they grow to be from two to six inches iu length, when they are admitted to the school of larger fish in the othe poud. Their growth is more rapid the followfish are fed with chopped meat or other food.
many thousand marketahle fish. The vicinity of these improvements is also one of the and will not long fail to be iuproved. - Kene Tepublican.

IIow to Freghe: Salt Pish.- Mahy perons who are in the habit of freshening there is a right and a wrong way to do it. Auy one who has scen the process of evaporaion going on at the salt works, knows that salt fulls to the bottom. Just so it is in the pan where your mackerel or white fish lies soakag; and as it lies witl the skin and side down, the salt will fall to the skin, and re-
man there, when if plaeed with the flesh side own, the salt falls to the bottom of the pan nd the fish comes out freshened as it should ; put in. If you do not helieve this, test the matter for yourselyes.
Mi. Taber of the New York Tribune, makes Le following statement as to the cost of kecping a cow during the month of December last. Ie hought what he considered the cheapest forl, and save her what she would cat up clean. The recorit stands:

## 

The cow is of mediumsize, comes in in Ma hence only gives a small account of milk, still ents per quart at the were sold at twels leaving a profit of nearly $\$ 5$. Another cow furnished milk for the fimily. At one time he gave her the huckwheat hran freely, butt slie (id not ilvive as well uponit, nor was the verage supply of milk kept up. The hay wias ing the methe

## 

## HOUSE PLANTS.

Crtruas of house piants, such as geraniums, fuchsias, reikenas, etc., such as every one One of the hest materiais for the purpose wa have found to be clear fine charcoal dust, bout like fue sand in the size of grains. Use lrainage: then fill to within halt an inch of cep with the charcoal, putting your cut tings in all around and near the cdge, with out. If you can, get a little piece of langing whole, letting the enttings protrude through , and letting it (the moss) hang down all ore the siles of the crock. Set it on the mantel piece, or on a little brackel shelf in some part wamth, and at the same time. if you cand, heat he light; water once thoroughly, and after ward just enongh to always keep it moist, but he crock ornamental for the time being, and
at the stme time serve to kepp a more even condition of moisture on the outsidc.
Iryacinths in winter flowering should ha the bulh placed so that its base only ean
touch the water ; and, for the first two weeks, cither place the glass in a dark roon, or wrap paper. Atter the roots have started well, take off the paper wrapper, draw the bulh from the
glass, and, emptying out the water, cleanse the glass, and replace with fresh, soft rain glass where it will have plenty of light, air and warmeth. If possible, never let the tempera ng in glasses, go helow 35 degrees Falne stow -IIorticulturist.

It is stated by an English horticultural paper hat Prof. Schuitzenstcin asserts that purc pamp, spring, or river water contains an incrhaustible supply of nutriment that is the
real staple food tor plants; and that the knowedge of this is calculated to throw light on
many puzaline plecnomena in vesetahle ply siology and culture. The art of making wa or nutritious should be the true aim of horticulture and agriculture.
A nice flower garden is the cheapest and most attractive ornament any clwelling, whetls-


## THE TEETH OF A HORSE.

## At flre years of age the horse Inas forty

 leeth-twenty-four molar or jaw teeth, iwelve incisor or front teeth, and four tusks cr canine ceth, between the molars andAt hirth, only the two nippers or middle in cisors appear.
At oue year old, the incisors are all visible
on the first or mill set. lofore three jears, the permanent nippers
have come through. At four jears old, the permanent dividers At five the moutl is perfect, the second set At six the hollows under the nippers, called
the mark, has disappeared from the niper, and diminished in the dividers.
At seven the mark has clisappeared from the dividers, and the next teeth, or comers, are levelled, though showing the mark. and the horse is said to be aged.
Ifter this time, indeed, good authorities say after five years, the age of a horse can only be
conjectured. But the tecth graciually change their form, the incisors becoming round, oral,
 by the slape of the teetin, and other marks of INFLUERCE OF SHOEING ON COINTRACTED In old and had cases of contraction, not ouly the hoof and frose bat the internal parts of the foot, including ereu the bones, are diminished forcing apart the heels by mechanical means, although it may reliere the pain and lamenes, by taking away the pressure of the horn mpon
the internal parts. The same result ean be oh-
$\qquad$







The frarm and Wiresinle.

The Farm and Fireside. publisied every saturday.

## ADVERTISEMENTS.-A Urited number of agricultural ad

 ncli insertlon. Speelnl advertusements, nt the bottom of the pages, twentr-five oexts per line each fnsertion. Nocuts are ullowed in adverthements, and no unusual display. The Puhlisher holds the rlght to reject any advertlsement at sultable for these pages.
all lers, remiltances, $\qquad$
FOSS, Publl sher

## 理, I. Saciety.

annual meeting of the rhode island HORTICULTURAL SOCIETY
The annual meeting of the Ilorticultural Socety was held Wednesday evening, the Presi dent, Royal C. Taft, in the chair.
The records of the last meeting and the last nnual meeting were read and approved.
Rev. Daniel Leach offered the following resoutions, and moved their passage :
Wiereas, Samuel S. Foss, of Woonsocket has recently undertaken the publication of a weekly journal devoted to Agriculture, Hort
culture and other kindred pursuits; therefore

Resolved, That we hail, with pleasure, the ap.
Resolved, of the Farm and Fireside as a happy pearance of the forming interest manifested in Agricultural and Horticultural pursuits
Resolved, That the eminent ability, tact and good taste, that have ever been evinced in conducting the the complete success of
guaranty of the complete success of the present Fireside to the liberal patronage and support, no only of the members of this Society, but of all others seeking information on the subjects which it treats.
Resolved, That we welcome the editor of this periodical as a co-worker in the noble work in
which we, as a Society, are engaged, and that we tender to him our hearty approval of his undertaking, our congratulations and our promised aid.
Resolved, That a report ot the transactions of this Society, of its monthly meetings and such ral interest, be furnished for publication in the "Farm and Fireside."
Mr. J. E. Lester seconded the resolutions and spoke in favor of their passage, and the resolutions passed.

The following named gentlemen were ad mitted to membership: James H. Palmer Ricbard Sequira, Philip B. Stiness and Sidney Dean.
The annual report of the Treasurer was resented, read and accepted. It slows the receipts were $\$ 603.33$, leaving a balance in the Treasury of $\$ 410.79$

The Society then proceeded to the election. Mr. C. F. Philips nominated Royal C. Taft for re-election, and he was unanimously re-elected, but positively declined to serve as Presiden another year.
Mr. J. F. Jolls then nominated James Y. Smith for President, and Mr. J. E. Lester nominated Josepl H. Bourn.
Mr. Bourn declined to be considered a can didate.
Upon motion, an informal ballot was taken, and each candidate had 17 votes.

A formal ballot was then taken with the fol lowing result: James Y. Smith, 28 ; Joseph H Bourn, 15, and James Y. Smitlı was dechared elected President for the ensuing year
On motion of Mr. J. F. Jolls, seconded by Colonel Wales, the election was made unanimous.

Mr. Lester nominated Wm. S. Patten for vice-President, and he was re-elected by acclamation.
Mr. C. F. Philips nominated W. W. Brayton for Corresponding Secretary, and he was elected unanimously
Mr. E. B. Snow was unanimously re-elected Recording Secretary
On motion of Mr. J. E. Lester, A. W. God ling was unanimously re-elected Treasurer.
Elisha Dyer and Royal C. Taft was elected Finance Committee.
Dr. J. B. .Chapin moved, and it was voted, that a committee of five be appointed by the President to select names for members of the various standing committees for the ensuing year and report at the next monthly meeting. The President appointed the following named gentlemen on that committee: Dr. J. B. Chapin, C. B. Manchester, Dr. W. F. Channing, C. V. Kennon, Wm. S. Patten. On motion of Rev.

Daniel Leach, ex-President Taft was added to committee
Mr. Kiennon moved that the Society subscribe for the Farm and Fiveside.
On motion of Mr. W. W. Brayton, it was voted to discontinue all the periodicals now taken by the Society, as they have no "local rabitation" to preserve them in.
The subject of providing a place for the meetings of the Society, exclusively under their control, was then discussed, but no definit action was taken upon it.
The President called the attention of the So ciety to the surplus in the treasury, and upon motion of Mr. C. F. Philips it was voted to invest it in the purchase of seven shares of Com. mercial Bank Stock.
Mr. W. W. Brayton moved tlat the notices of the meetings of the Society be published in all of the daily papers in the city, and that the sulject for discussion at each meeting be insert ed in the notice.
Mr. Patrick Farrell, gardener to Cyrus Taft, contributed a very fine boquet of cut flowers, for which he has voted a gratuity of $\$ 1.00$.
Mr. Charles Wright, gardener to Geo. W. Chapin, contributed two beautiful white roses Marchal Neil and Salfatara, for which he receiv d a vote of thanks.
On motion of Mr. C. F. Philips, a vote of thanks to the retiring President and the other officers for the past year was passed unanimously.
Adjourned.

A Good Cow.-Mr. L. N. Mason, of Northridge, Mass., informs us that he has a cow five years old which in seven mouths, made butter enough to supply his family, after which one hundred and fifteeu pounds were sold; and he adds: "I still retain enough for family use hrough the Winter.
Will Mr. Mason tell our readers just how many pounds the cow produced in the seveu mouths?

CULTURE OF SMALL FRUITS IN NEW JERSEY
FEw of our readers are aware of the enormous amount of Small Fruits raised in the Vestern sections of New Jersey. A writer in the Tom River Courier, compiles the follow-

In the immediate vicinity of Moorstown, Burlingtou county, New Jersey, there were growu in 1862 more than 6,000 bushels o strawberries, which, at the moderate rate of $\$ 3.50$ per bushel, produced a return to the farmers of that vieinity of at least $\$ 20,000$. On ten days an average of 600 bushels a day aud oue day 700 bushels were earried to Philadelphia, from that neighborhood alone, by one avenue to market. Large amounts are takeu to the same eity over other roads and by water conveyance, and to New York by rail. The quantity thus seckiug a market probably quite quals that above named in amount and produetive returns; and we doubt not that from this small distriet of a few square miles 12, 000 bushels were produeed, and realized to the skillful growers upwards of $\$ 40,000$ in the year 1862. Oue farmer, whose strawberries are sent to New York, devotes forty acres to this erop; and another received for one day's pieking, seut to that eity, $\$ 300$. Two hundred and ten bushels of strawberries have been raised on one aere, whieh sold at nine cents per quart, realizing $\$ 600$.
By the reports made to the West Jersey Fruit-Growers' Association, in 1864, from the ownships of Burlington, Chester, aud Cinnaminson, all in Burliugton county, there were under cultivatiou and producing fruit, during the preceding season iu said town ships, 272 aeres of strawberties, 40 aeres of raspberries, aud 99 aeres of strawberrics; 200 and 25 in Cinnaminsou. The aggregate produe was 12,596 bushels, or 403,072 quarts, aud the mount reecived therefor $\$ 45,345$. The gen cral average yield per acre was 55 bushels.
The above is much below the possibilities of strawberry production. One unusually large erop of Ilovey's Secdling and Lady Finger was reportcd, which returned from 146 aeres 800 q
aere.

Four townships reported in 186 an area under cultivation in strawberries amomanting
to 488 aeres. The total product of these 488 eres in bearing was $27,92+$ bushels of fruit ielding the sum of $\$ 161,633$.
In Burlington county, on ten aeres of thin and, from which the sand formerly drifted like clouds before the rrind, six hundred and fity bushcls of Lawton blackberries wer gathered in 1862. The same plantation yield a seven hundred in 1863, and iu 1861 eight hundred bushels. A resume of the report made to the West Jersey Frnit Growers' Asarea devoted to small fruits in the countries of Burlingtou and Camden, affords the following gratifying exhibit:

In strawberries,
$\begin{array}{ccc} & \begin{array}{c}\text { Ylelding in } \\ \text { bushels. }\end{array} & \begin{array}{c}\text { Which sold } \\ \text { for }\end{array} \\ \text { Acres } \\ 488 & 29,924 & 8164,633.60 \\ 40 & 1,600 & 15,360.00\end{array}$
$\begin{array}{lrrr}\text { In raspberries, } & 40 & 1,600 & 15,360.00 \\ \text { Iu blackberries, } & 1892 & 0,189 & 44,107.20\end{array}$
Affording au aggregate yield, on $717 \frac{1}{2}$
of 38,713 bushels, bringing $\$ 224,100.80$.

Big Cianticleer.-Wm. F. Wright, Esq of Lime Roek, a few days sinee killed a Chita gong rooster which weighed, when dressed, eleven and a half pounds. The bird was cighcen months old. At the same time Mr Wright killed eighteen ehiekens which weighed one hundred and fifty pounds, dressed weight

## marriages.




 In Pawtucket, Jan. 16th. Mr. Horace H. Prerce, of Woon
ocket, to Mise ELILA M. HCMFs, of South Aulchorough.
 In Dudley, Jan. 2ja, Mr. Peter Stoxe to Mise Mary
Pacle, hotho of Dudey.

## fleaths.




age Worceater, list inst., Miss Emelinze keaoh, of Black
In we, aged 58 years.



In Raytueke

In onild of of on ba

lin rhangon eomn: ",
In yllford, Jan. 29th, W. Hurbr batohelder, nged



## BRIGHTON MARKET,-FEB. 6

## ambe, istis; Swine,

Prices. Beef Catlle-Extra, $\$ 13.25 \mathrm{a}$ a 813.50 ; Girst qualit
 8.5.5a $\$ 10.007$



Cair Sking, 12@20e
Prices remaln unchanged from our last quotations. There ha
heen a falr demand. The supply from Nnsine is larger than it


Weerly review of the new york WHOLESALE MARKET.

At the close there is more esteadness. The stock 18 rectuced to


NEW YORK WOOL MARKETAluertising mpartment

Bhode Esland.



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| :---: |
|  |

The Fratm and Fireside.

## FARM SCHOOLS.

The the Editors of the Farm and Fireside:
From the poor success which has attended From the poor success which has attended
the various attempts to educate the farmer up to the standard of other professions, by providing for him an available collegiate eourse of
study, with practice combined, it would apstudy, with practice combined, it would apWhat are these obstacles, are they apparent or real? We eannot satisfactorily reply to this query hy reference to the experiments carried out in this or other States, to a legitimate re sult; as no such have been satisfactorily tried but we may throw some light on the question by recalling a few of the incideutal experiences of the past twenty years, here and elsewhere.
Little good cau result lyy, charging failnres to incompetent management, as has been done in the case of the Pennsylvania Agricultaral Col lege, or that at Ovid, New York, or that a Havana, in the same State. We should search dceper and endeavor to discover the funda mental error.
If we commence with the systeru of Farm Schools, or "Model Farms," as they are routine adopted and earried out with apparent success, in the foreign institutions we shall sce that the identical obstaeles which exist here af fect the system there; thongh not to such an extent as to overthrow it. Here, lowever
greater obstacles ocemr, not known there while many of those pressing severely on the foreign establishments, cannot affect us here Having enjoycd a brief system of training at the Clasnevin (Dublin) establishmeut, now speak with at least a little knowledge of the subject. The late lamented Dr'. Eran Pugh, having made himself familiar with the European systems, declared them unsuited to onr wants, and pronounced them in fact ralueless as a method of imparting a thorongh scientific ancl practieal agricultural cducation. When placed in charge of the College at Centre County, he was not withont his misgivings at to its future, and indeed was at times almost, if not quite, ctcspondent of its ever answering the intended purpose. This we have heard him repeatedly admit. Withont attempting him, as we had not charged our memory with hem, we can, however, without hesitation, state what two important causes were: first,
the great want of earnest desire to pursue farming as a profession, which elaracterizes our young uen, in comparison to their clesire to attach themselves to other learned professions. Next, the manual operations of the farm necessarily interfering with their literary and more attractive studies, increasing this iu-
Now, while the first objection does not ap-
ply to foreign eountries, the second does apply to those Model Schools where farming is tanght practically and theoretically. This is borne out by the results of the eventual choice

 when to these two important reasons for the tice of Agriculture has for the American educater youth, are added various other discouragements and drawhacks to the successfnl es tablishment of Agricultural Colleges. There need be little angry feeling exhibited towards the unsuccessful managers of the varions inattention of the carnest promoters of the grand object should be turned to the removal of those fundamental canses which have, and ble and remunerative profession.
How does our local Model Farm succeed in connection with the Polytechnic College? Has the indcfatigable Dr. Kennedy been able to overeome the obstacles which have so borne
down lis friends in other quarters? He should, at least, be conversunt with the "Why aud because" of the insufficiency of American Frarm Colleges, so far as they have been tried Philadelphie, February 6, 1867.

Mr. Pardee, of Illinois, has found that lime slaked in salt brine, sown broadcast, had kept slaked in salt brime, sown
insects from strawberies.

## MUSCLE AND MACHINERY.

The great objection to farming hitherto has
the lord of the poultry-yard, we have the ol ${ }^{\text {d }}$ saying that-

## He"ll surely rise with sed to bed,

"rs also furnith thcir
Frogs also furnish thcir signs, becoming brown before a rain sets in, bnt remaining y el low so long as it is absent; aud there is a cui ous weather-glass made in Gcrmany, the mate rials enteriug into the composition of which are tivo frogs, two small ladders, aud a cylindrical vessel of water. Frogs and ladders being duly pnt into the water, if the froggies climb their ladders and look over the vessel's side, foul days are at hand; if they remain below, the sky will continue fine. Spiders and snails are the most remarkable of all the
weather prophets. When the former make mir morning is sure to be fine; if they make them in the morning, the coming day may be relied on for a drive or a walk. Hence the saying:

## When you see the gossamer flying, Be you sure the air is drying."

An instance is on record of an officer, confined in a prison duriug the wars of the revolution in France, having so closely and accurately observed the habits of some spiders that were his sole companions, that he was able, by thei movements, to foretell a frost fourteen days before it came, and thereby turn certain defeat of the army into glorions rictory. Bnt snails are remarkable weather indicators. Like frogs, their colors alter on the nearing of rain, and some species indicate rain ten days before, by tnbercles which appear on their bodies, and seem intencled for the purpose of imbibing moisture. As a general rule, these creatures, according to their habits, two or three days beforc rain, may be seen climbing the trunks of trees, or seeking shelter under leaves, or
making their way to open places. We thus see that by a careful assortment of spiders snails, frogs, and a few domestic ammals, eomhincel with a good barometer, and accurate obscrvation of the language of the clouds, and the songs and eries of birds, any person may easily become a weather prophct of no mean practical wisclom.

## JSEST OF THE HUMTING-BIRD

Tue nest of the humming-bird is a minaele of perfection is domestic ecomomy. For beanty fitness and safety, the wisdom and taste dis played in its arrangement are unapproachable. Bcdecked in a plumage of emerald, ruby and topaz, remarkable for the delicacy of its form and grace of its motion, unsullied by min from the elouds, or dust from the carth, feeding npon the nectar of the flowers, its habitation shonld be iu character, and so it is. Shaped like a half eup, it is delicately formed of linch ens colored like the branch on which it is fixed, cns colored like the branch on which it is fixed,
and lined with the soft down of plant blossoms, of mallein leaves, or the young fern. It i delicately soft, sheltcred, and undistinguishable from the bark of the tree, of which it seems a most natural excrescenee-a moss-grown knot. Two white eggs, as large as peas, adorn the nest, upon which, as asserted by some natrralists, the cock and hen sit by turns, for ten or trelve dlays.
The litile birds, scarcely larger than fies, enter upon their existence in a chamber tapestried as with velvet, aud are fed with the swects of flowers from the maternal tongne. The tiuy honsehold exhibits not only a commendable neatness, but exquisite taste and delicacy in all its arrangements. Can gentle humanity derive no lesson from sucl
Dodgc, Ohio Reports, 1861.

An Unhealthy House.-A clark house is always an unhealthy house; alway's an ill-airec house, always a dirty house. Want of light stops growth, and promotcs scrofnla, rickets, etc., among children. People lose their heath cannot get wrell again in it. Three, out of many negligences and ignorauces in managing the health of houses gencrally, I will here mention as specimens: First, that the female head in charge of any building docs uot think it necessary to visit every hole and comer of it every day. Second, that it is not eonsidered essential to air, to snn, and to elean rooms when nninhabited. Third, one



## 

## HORSE CEIPPING

Few，comparatively，of our citizens are aware of the manner，usefulness，and extent of that practice of sharing the hair from horses，which is technically known as horse clipping．Unlike buman hair，the hair of horses falls out every spring，leaving the skin quite barc，and alto－ getber of a different color from the old hair．
Growth then commeuces again and continues steadily till cold weather，when the coat reacbes alnost its maximum thickness，and forms a substantial and warn covering for the three cold mouths．Human hair，ou the contrary， having ouce fallen out，cannot be replaced．
The clippiug of tue horse is done usually or aiter the opening of tuc winter season．
The operation requires two men，one to The operation requires two men，one to hold
the horse and govern him，while the clipper， with sharp shears in his right hand and a tine eomb in his left，goes over the bide inch by incia，and cuts the hair as clean and smooth as ward，and the curh always iutervcues between Ward，and the curh always iutervcues between
the stcel aud the flesh，blood is uever dramu． Strauge to say，the animal rather likes the per－ formance，aud stauds quietly durimg the seven
or eight hours which are occupied．When nore rapid work is required，two clippers ean operate on the same horse，one taking the fore－ quarters and bead，the other the hind quarters， and in some cases four or fivc mel are em－
ployed．Tery seldom is an animal found that objects－searcely a horse in a hundred．The
most clelicate point appears to he the head． most clelicate point appears to he the head．
Some lorses feel a little nervous wheu the seiz－ zors are flying ahout their ears．Owing to its hony and irregular character，its indentatious and protuberan
difficult to clip．
difficult to clip．
Clipping was
Clipping was uever so much in vogue as
during this scasou．The benefits resulting fro during this scasou．The benefits resulting from
it are numerous，and it adds greatly to the beanty of the lorse．Those elegant，velvet－ skinned，monse－eolored，faun－colored and otber peenliarly tinted stecds that one sees tearing througn our streets before light sleighs，are horses of another color that have heen elipped． The common red horse，when his hair is off，
has a far different shade． has a far different shade．
At first glanee，to the unitiated，this practice of stripping the horse of his coat just when he would seem to need it most，seems cruel．Re－ ally，the contrary is the case．It opens the而

## 

 with anotber point，and that is the case with which a horse is cleaned and kept clean the lat bair is off．Not less than one－hal and owners and grooms thus share with the horse the advantages resulting from clipping．A clipped horse requires less hay than oue unclipped，and his ration of oats can be reduced from nine quarts daily to six quarts or the equivalent，the amount of blood required to and the a full coat of hair being considerahle demaud on the nutritive forces．A clipped horse can go faster and farther than the same horse not clipped，a fact that has been abuu－ dantly prosed．And there are other minor act vantages whicb it is not necessary to refer to in our limited space．
Clipping has been known in England these forty years and more，and bunting borses were
its suhjects．Its bencficial effects bave caused the steady increase of the practice，so that not only all driving borses，but very many of the climate heiug more mild and equal than ours． Froun Britain the practice has extended to this ouutry，and was never so popular as at the square，for instauce，therc are no less than nine clippiug establishmeuts，and in three of them au aggregate of sevcu hundred horses have
been clipped this season．How many the rest elipped，and how many clippers there are in other portions of Boston and its vicinity，we cannot say，but they are quite numerous． Probably a couple of thousand horses have been ander tbeir slears sluce the middle of Noveun－ ver－Boston Traveller．

## trainiva colts．

Eet the educatiou commence with the
birth．Tbe colt sbould be fed with a little oats in a pau；it will soon lcarn to feed from your at the same time the band should frequeutly be passed over the hody and oceasionally carried down the limbs．The tiny feet should at leugth be raised，and afterwards the hoof be gently tapped．These things should be re－ peated till they are submitted to without any erideuce of fear being excited by tbe liberties ken．
When weaning has by the process of nature een accomplished，the colt should not be turned out and ncgleeted until it is old enough

## FARMEPS＇WIVES

ished，the previous lessons being enforced with greater emphasis as the age progresses．When kept in the stable it should be accustomed to the harness，wearing it a few bours in the stall．He should next be taken out and led
geutly about，to get accustomed to the rattling of the chains．No attempt should he made to put the colt to work before he is tharee and a

If tbe colt has been treated as previously rected，there will be butle difficulty in break－ ing him to harness work．Put bim by the side of au old ancl steady borse，and a light wagon withont a load，and handle him gently， until he is made to uuderstaud what is re－ quired of hin．Wheu about to put him iu siugle barness he should be brought out and have the wagou sbowu bim，being allowed to smell it and examine until he bas bccome familiar with every part of it．Erery part of the wagon and haruess should he strong and
well made，so that tbere can be no possibility well made，so that there can be no possibility
of breaking．When he is put in the vehicle， ery strap should be buckled securely and none left to strike against him．He sbould then be made to adrauce，aud the wagou gent－ ly pushed from bebind，that he may uot feel its weight for a short distance．The borse should on no account be allowed to trot uutil he is perfectly familiar with the sound of the may he trotted gently，but sbould uot be put to his speed nor lept in laruess until he tired out．
Most carriage horses are too imperfectly broken．Their education is too hurried，and seems to be considered perfect as soon as the onimal will merely take to the collar． fceling cmploymeut of the bearing rein，which disables the organs of respiration and reulers the ligitest draft a burden．When starting to crive a youug borsc，the driver sbould mount bis scat cuietly，gather up the reins，and get chis borse under way quietly by spcaking or chirruppiug；never starting with a wbip－
allowing bim to iucrease his pace by degrees o the speed required，instead of forcing it on a sudden．Keep at a regnlar gait ；do not go by fits and starts．－Am．Stock Journol．

## 

Beautiful Experments．－Fill a wide－ nouthed glass jar with water，and cover it over with a piece of＂foundation＂（the ladies will
understaud this），cover that with a layer of eas，pressing it down so that the peas will lay in the water．They will then swell aud sprout， the roots growing down iato the water，their fibres presenting a heautiful appearance．Set inis a window，and vines will grow up whole is rery haudsome
If an acoru be suspended by a piece of threa o within half an inch of some water coutained iu a liyacintb glass，and so permitted to re－ main witbout beiug disturbed，it will iu a few water，aud sboot upward its taperiug stem， with bcautiful little green leaves a young oak tree，grown this way，on the mautle shelf o room，is a very interesting object．

Iow to Propagate Dailias．－I plant the bulbs in hot beds，just as I would sweet pota－ ines ；when the plants get up four or fiye or bulb；these sprouts I cut up into little pieces， making the lower eut just helow an eyc． These cuttiugs I put out iu sand，and they soou
strike roots aud grom．The taber will send up otber sprouts，which when of sufficient size are cut off and treated in the same uanner． A large number ef plants are thus made from a single tuber or root．By this method the finest flowers can be produced．If you plant the whole buls，whe eye on $i^{t}$ ，the plants will grow very lapidly and stroug，bnt it will all go to stalk and leaves，and the flowers will be in－ different．Most people plant out dahlias too early；the first of June is plenty early euough． The best flowers are those wbich are produced ate iu the season．The treatment of the plants，
skill．

The reading of essays by the ladies is one of the exercises which give life and interest to the ineetings of the Springfield（Vt．）Farmer＇s Club．From one of the cssays by Mrs．Daniel Rice，publisbed in the Vermont Farmer，we copy the following paragraphs：－
Did you crer thiuk of the amount of thougbt requisitc to plan three meals a day for three luundred and sixty－five days in sue－ cession？To prepare enough aud not too nucb，aud for those living at a distance from the village，to remember that the stock of flour， sugar，tea，ete．，etc．，is replenished in due time？Do yon ever tbiuk of the multitude of her cares and duties？She must rise early to prepare breakfast or orersee it．Perhaps there are children to wash，dress，and feed，or oo get ready for school witb their diuuers． Tbere is bakiug，sweeping，clusting，making beds，luuch for the men，may be－dimner and supper to be made ready at the proper time－ the washiug，starehing，folding，and irouing of clothes－the care of milk，including the mak－ iug of butter and cbeese－and the inevitahle wasbing of dishes．In autumn there is the additional work of picking，preserving，can－ ning of fruit，drying of apples，boiling cider， uaking apple sauce，with tbe still more un－ pleasant task which falls to ber lot at butcher－ ing timc．Theu there is haying，harresting， sheep－sheariug，etc．，when more belp is need－ ed，briuging an increase of her labors．Trice a year comes bouse cleauing．By the way，of the foes a house－keeper has to contend with，dirt is the greatest．She may gain a omplete victory aud thiuk to repose upou her but it is only temporary．Tbe enemy soon returus，and even daily skirmisbing does not eep it at bay．
There is the mending too．Sewing machines are great blessings，but they can＇t set a patcb r darn the stockings．I do not mention hese things by way of complainiug of wo man＇s lot iu general，or asking for her any rights which she does not possess．I don＇t know as there is any remedy in the present state of the world．It seems to be one of the vils of lite，which must be borne as we bear all other ills－but what I do ask is a due app－ preciatiou of the important part that woman acts，and a concessiou that ber labors，mental nd physical，are as great，all thiugs eonsider－ ed，as those of the other sex．Women are not so childisb that a little sympatiny uow and crifirent of tbeir efforts and orse the makes them inagine their cas bancls，＂it doth I tell you，men and＂and any a poor，crushed，broken－down wife and mother，is dying for want of it．

Get Eneugh Sleep．－We have often heard young uncn remark that four or five bours leep was all tbey wanted，or that the human system required．The habit of going without ufficieut sleep is very injurious．Thousands， o doubt，permauently injure tineir health in hat way．We live in a fast age，when crery－ hody seems to be trying to pervert the order of uature．If follss will persist in turning niflit into day，it is uot to be wondered at that few last out the allotted term of life．No mat er what be a mau＇s occupation－physical or mental，cr，iike Othello＇s＂gone，＂and living in dleness－the coustitutiou eamot last，depend pon it，without a sufficiency of regular and refreshing sleep．John Hunter，the great sur geon，died suddenly of spasmodic affectiou of the heart，a disease greatly encouraged by the waut of sleep．In a volume just published by medical man，tbere is one great lesson that bard studeuts aud literary men may leam，aud hat is that ITunter probably killed himself by aking too little slcep．＂Four bours rest a aigbt，and one after dinner，caunot be deemed rufticient to recruit the exhausted powers of the hody aud mind．＂Certainly not；aud tbe consequence was that Munter died early．It men will insist on cheating sleep，her
sister，death，＂will avenge tbe insult．

From 5 to 8，000 reaping machines are made auuually at Rockford，IIl．

CEMENTS．－A correspondent sends us the following，in answer to an inquiry for a cheap substitute for building－stone，or for a substauce which will
＂set＂easily and assume auy form in a mould：A German professor lias found out a cement for fasteuing iron in stone which in forty set＂easily and assume ay form in a monld：A Gcrman professor lias found out a cement for fasteuing iron in stone，which in forty－cighlt hours be－
comes nearly as hard as the stone itself．This consists of six parts of Porlland cement，one part of incely－powdered lime，burnt not slaked，two parts of comes nearly as hard as the stone itselt．This consists of is parts of Porland cement，one part of nicely－powdered lime，burnt not slaked，$t$ tro parts of
sand，and one part of slaked lime．This，when well mixed and redoced to one mass of cencut，witb the necessary quantity of water，is put in the crevices or openings of the stone and the iron，botb being previously dampeued，and after forty－eight－bours the irou will be found securely fastened in the stone


The Farm and Fireside. published every saturbay.
$\qquad$
 each insertion. Spectal advertisements, at the bottom of the
pages, TWENTT-FIVE oENTS per line each luertlon. N euts are allowed inad the right to reject any advertseme. not suitable for these pagcs.
All letters, remittances, tc., shourd be addreased to

SEvd a Stasp.-Spectmien numbers of the lapas a Fireside will be
three-cent stamp.

## 

## steail plovghs.

trial of a notel affalr from exglani.
Publie euriosity has been largely cxcited ithin a feer days by the appearance on our theroughfares of a cumbrous machine, a steam engine drawing a train of ploughs. This stcam plough, as it is technically known, is an invention which is the properyy of Messrs. John Fowler if Co., of Leeds, England. It has been in use iu the valley of the Nile, for some time, aud there, we are assured, is an estab lished improvement.
Mr. Max Eigth, formerly chicf engineer on the staff of Pasha Haln, when that pasha Leld the viec-royalty of Egypt, comes with the ma chine to superintend experimeuts made will it. Having wituessed in Egypt the operations of the plough, he is couvineed that it will be as successful here as it was on the Nile, aud yes terilay his favorite iuplemeut was tested ou the fair grouuds. A large company witnessed the trinl, among whom were several geullemen whose occupation from boyhood had been that of a planter.
The question to be decided is the practicabil ity of steam power for agricultural purposes, aud especially for hreaking ground. We have traveled many miles in the furrows of steam plonghs ou the prairics of the Northwest, and lave seen numerous trials of differeut inventors to improve on the unule and ox teams for ploughing; but for praetical use these inrentions were very gencraily set aside by the funmers of that section. The necessar's expense of supplying fuel and water for the er gine, and its great weight eansing it to siak in soft ground, were the main Liudra
sicamp plough in Iowa and llinois.

This invention of our Euglisli firiends obviates some of the dillicultics in the way of the Western Yaukee invenion, by the power remaining stationary: In the case of the Yamkee steam plough the cugine traversed the eutire distauce to he ploughecl, pulling the ploughs as a te:m of oxen would.
Iu this invention of Johu Bull, Esy., a couple of mul-road locomotives are required, one at eaeh end or side of the field. The ploughs are cight in number and are geared on a long irou frame work, which is bilanced on the axle of a pair of whecls, four plonghs being litcheil to each cnd of the fraunc. Each eugine pertorms the work of drawing the ploughs from the opposite side of the field, boll being furnished with a eoil or wire cable, and wheu one is pulliug the ploughs the other lets ont its cable, realy, when the signal is given from the othe eugine, to commence winding up, and thereby draw the ploughs across to its own side of the
field. As the work progresses the cuginecrs field. As the work progresses the cuginecrs
more up their engines as faras is needed, to be in proper position for the next pull. The amount of ground broken by each drafl would require eight pairs of mules iu the ordinary way of working.
will fuel ond water ' attendants, aud a couple of pilots to navigate the ploughs properly aeross the ficld to compete wilh sixten inules and four drivers, with one large or four small sized "gang plonghs," now extensively used in the corn and wheat euture in the Northwestern States.

Nothing more will be known of the adrautages of this steam plough, or its disadrantages, after a week's experiment here, than if it had not beeu tricd at all.

It was really anusing to hettr the numerous sugrestions, as well as the varions objections One would condemn it hecause the willh on furrow did not suit limim another thought it dit not turn the swath over flat enough, while some thought it the greatest sulstitnte for "nizgers and mulcs " inveuted since the proclamation. Everybody seemed to be interested, mor particularly in the ctulatity of the work doue, and not in the cheapuess of stem power, (if it be cheaper.) as compared with mules for ploughing. Cheapness is the question to decide. That is what we are atl affer. Which costs the most to suphort in time of ploughing -an iron horse or a mule? That is what the want to kuow. We care notlings about the quality of the work or the experiment. That used.-Nero Orlecuns Puper.

## protect your peach trees.

Tre following remarks from the Illinois State Jounnal are worthy the attention of horticulturists. Colonel Wools, the writer, is the intelligent Secretary of the Illinois State Saniary Bureau:
Mulching trees, as recommended by your correspondent in the Jourual of Saturday, is oot wilhout its beucfits to the trees, and to the soil immediatcly aronud them, but it will do hic effects of intense eold.
It is not the early budling and blossoming of the peach tree that we should dreal and take measures to prevent. If a peach trec in this section survives the frosts of a sercre wiuter, and retains vitality enough to bud and full crop of fruil, despite the freezings and thawings of April and May. It is the terrible cold of Dccember aud January iu this latitude, Chat destroys or weakens the productive powers of the peach trec. Any observing horticulturist could easily be convinced of the truth of this theory by referring him to illustrative in stances in the history of his own experience. But my preseut purpose is not to advance a thenry, but to propose a remedy, by earnestly advisiug the repetition of a very successful experiment.
Take rags, paper, corn hutks, har, straw, on of the tree, and effectually excluye the tauk rays of the sun through Fehrazy and Minch, and it will rarely fail to reward you with fine rruit. Hay ropes make cheap and easily ap gileld corering. It shoald be put on hefore fre is formed. It made of hay it need not be re moved.
Any f.rmer laving three or four good peach rees near his house may always have an auple supply of their delicious fruit for his family y proviliug for the trees a protection which is unch better thau the one above weutioned,
and which is very simple. As it will be nore convenient to apply it iu the fall, I will defe is description for a future article.

Jour R. Wooms.
Tea Clltcre is Nortin Carolixa.- 1 wri er in the Southern Cultivator gives Ier experieuce in raising te:l. She obtaiued sercn
plauts in 1860 . These grew so vieorously plauts in 1860 . These grew so rigorously 1861, she made a secoud entting of young, ender shoots, aud gathered pesides uearly two peckis of uuts from the seven plants. The mount of tea suade was, after drying, oniy about two aud a half pouncls. The nexi year, 185., she purstued the same course, cutting
then, howerer, uuch closer. That year sho made five pounds of tea, pronouneed by sood judges equal to the imported.
Haring no metal plates or elafing dishes, she used a common cast-irou "spider" heated over a slow, charcoal fire. When it was hand" sle put iu the leaves, "twisting and rubliug theu with the palms of the hauds,
raising them frou the pan, twistiug, bruising raising them frou the pan, 1 wistiug, bruising
them aud letting them fall lack." The bruising she thinks essentixl ; duriug it the leaves ennit a large quautity of grecnish sap. She adds that the keruel of the ripe nut is so biteer that she is sure it would prove a substitute for quinine.

## Dinscellany.

## an english soit of the soil.

Av Buglish paper gives an interesting ac count of the vast estates of the 1
land in Leicesterslire. It says :

- The Duke of Ruiland's cstate extenls $t$ one-sistecuth of the whole county, compris ing 83.000 acres, of whicls about onc-lralf i strong loam and clay (the pastures of surpassiug uatural fertility) of whiel the Vale of lichruir, on the lias, forms the chict pats, aboun 5000 acres beyond Leicester being composed of strong matr and gravel. The ranaming and red "creach" " [soil] tupon the oolite and marl-stone formations. The lirms vary irom
fifty acres to seven lrundrel and fity acres; the more geucral size is frous two lrundred to four luudred acres, the portions in grass aut arable being about equal. Here we hare an c80, oov-morc probably than $£ 100,000$ (hall a milliou dollars in specie )-per aunum, cous prising one-sixteeuth of the richest county iu
England in the hauds of a single man. And England in the hauds of a single man. And ally provided for the artificial aggregation land by meaus of entails and settlements that such an uunatural condition of ownership and collateral branches of the Rutlaud Man and collateral branches of the Rutlaud (Man of property would naturally have been di vided. It may have happeued, however, that the political influeuce and power of the head of the family has peen of great use to the other members in obtaining them provisions out the pubie purse. Or course all the ducal ten They have no formal agreement, but a sort of ukase or "memorandum is printed on the backs of the rental receipts given when paymeuts (o ent) are made.
This memorandum commences as follows: Take uotice that the following are the condi tous upon whiel you rent or hold the land and premises iu your occupation under Mis Grace the Duke of Rutland." The provisions are rew, simple and stringent-binding the fenant the buildingz, fericces, gates, posts, drains.
grass land-mor to sell hay or strave. Then.
Fifh-That no trees growing on the premise will be permitted to be lopped or in auywis injured. Sixth-That on your quitting the
premises all the manure wiil he considercil as belonging thereto, aud will not he suffered to removed therefrom or allowed for. Serentl uch lands is (coummou Euglish would hatve cen 'arc') reserved to His Grace"
It is also said the tenants "are further proected by a liberal schedule of allowances a Allough how such a schedule ean coexist with the sixth condition, would puzzle the acumen of legal interpreters of the contraet, sloould any litigation :arise thereupon. The Ratland ten ants are probably held ton well iu haul ever dream of disputing the belest of their lord. showing the amouul of political influeuce such a territorial magnate cau wield, by the ageucy of a subservicut tenantry, we extraet the fol lowiug: iu 18as there were under a reltal of 8 per annum, 759 occupiers; above 18 and
 $\varepsilon_{20}$ and under $£ 50$, 115; $£ 50,198$ : makin total of 12 an oceupiers.

Out-Door: Whitewast.-Two quarts o kimmed milk; : 2o\%s. fresh slaeked lime; ölbs. whiting; put the lime into a stuneware vessel pour upon it a sufficient quautity of uill to nake a uixture resmbling eream, and then ald the balauce of the milk. Crumble the whiting and spread it on the surface of the huid. Stir or grind as you would lead paint, and apply as you do other paints. It dries quiek, and a sceoul or third eoat eau be added ir desired. It is inodorous, does not rub off: This quantity will cover 5 s square yards with one eoat. It may be eolored, it clesired, by adding coloring matter.

Why Sows Destion thene Yooxg.-A
writer in the American Stock Joural thinks that costiveness and its accompanying evils are the main cause of sows destroying their young, aud proper food the preventive and are. He says he las "never known a sow lo cat her pigs in Autumn, when running at
large with plenty of green food; but, with hardly any exception, sows littering early in Ire Spring are troubled will costiveness which is frequently so serere as to the ad :ompanied with influmed eyes, great resuceslessless sonetimes increases till it announts to
renyy. Ifive had them become so savase as veriectly gentle, If not stopped, this fimenys for will then desteny lier young, or any other
living thing within her reach, Cure the
costiveness, and this restlessnces and irvitaion will be cured, and it she was a grovel natured ow she will becerme gentle and quiet again." Potatocs, turnips, becte, earrots or parsnip open the bowels, are recommeuled.

Founer.-Fecd the coarser kinds liberally. Poor hay, stalks and straw should be fecl out mainly in the beginning and middle of winter.
Reserve strav cuough, however, for bedding aud to litter the yards with iu the spring. Study how to economize food; not by stinting, but ug comfortable stables, by fecling regularly, by cutting fodder and uixings bran or ground graiu with it, by stcaming, and by having propcks, so that stock cau wiste nove by

A few days aro a Committee of the Illinois Legislature visitel the Insane Asylum at Jackounille. A rather amusing incilent oce urred fuildings. One of tlie honorable memhers rom Cook county was amony the party. Oue of the insaze men who had eridently been something of a politician, approacheel the
Chicago legislator aud said:
"Alu how do you do, sir? Tou got elected "Ah how do you do, sir? You got elected
Inst, dimnt you 乡"
The honnable drew himsell" up with a emnquestiat and patrowizing air, abt said:


Caluphisha, it is estimated, produced last ineyarls hegein hearine, it is predieted will ruit crop of 1866 is stated at $\approx 2,533,530$.

Tile Mex and Deckas Egg Prodteers.A peper las been received by the Paris Acadcmy of Sciences irm M. Comaille on the com-
parative value of tlic lien and duck as emy prohens and three ducks, all fine auimals, hatched at the sme time in the uronth of February. buring the following autumn the ducks laid ens cyss; they recommencel laying in Februof Angust. The hens laid no eggs during the utumn. but began in January, and left off in the middle of August. The totals of each at the ducks, 617. 3I. Comaille bext exanined he nutritive value of each kind of exp, and ound them nearly equal in that respect. nence

Pooltry Prafts.-lu a late number of the N. E. Farmer was at commmication froms
Moses Eaton, Jr., of south Hampton, N. II., howing the cost of t! heus and their product for one scason. The hens and their keeping mouted to sio. They produech egess to the ralue of $\$ 7473$ : chiekens, 85915 ; total sales, \$1238s. Hens on hand, (44,) ser ; balanec in favor of the licas, s.\%.

The Farne and Fiteside.

## 

## pear culture.

## Writen for the Farm and Fireside.

Is the gencral routine of gardening, whieh includes fruit-culture, to which, howerer, the special term "pomology" has baon of late
years applied, there are many ohjects brought years applied, there are many oljects brought
nader the care of the operator whicl are not expectod to produce a remunerative crop, but are merely cultivated becanse desirable, or in teresting, or ornamental. This deseription of gardening is better known as "amateur" cultration, end is followed rather as a pastime
or reereation than as a husiness. Much of the gariluning wo read of abroad, is of this class; as there, money is spent withont limit to pro duce the most supertluous lnxuries. There we
meet with the extremes of luxury and nisery; meet with the extremes of luxury and nisery
here, it is to be hoped, we are more economical ; hence the first consideration in undertaking any important work, such as planting trees, is the very neeessary inquiry as to whether the eesult will remunerate for the outlay.
are free to admit that ont of every hundred paar

## trees which have been panted during the pas

 twenty ycars, not twenty-ive per cent. havereturned suffieient fruit to remunerate the planter. Wc take the Pear first, because there is a menoral idea prevalent that Pear culture is least hare little opposition. But we are ready to make a similar statement in regarll to the well known and favorite apple, and evcn the
out doo" grapc. Bat in attempting to substan tinte the low average quoted, we request per mission to state a ferv particulars.
Fruit trees generally have not succeeded well in gardens, even under "amateur" culture, for varions reasons. Among the first, is the fact
that when a fow fruit trees have been planted, they have been promiscuously distributed among the garden plants, in the gardcn bor-
ders, - quite limited in extcut, and annnally subject to the visits of the spade in closer prosimity to the trec than is at all clesirable or judicious. When planted to any extent, the selection of trees and varieties have not been
made with the ncecsssry skill aud judgment. The ground has not been properly prepared 1 wior to their being planted, and after plauting they have not had the necessary though simple management they required.
They have been mutilated insteacl of being pruned, for very little pruning is required if All the pruning might almost he douc hy the finger and thumb in the growing season,
The soil has not been cultivated around them, as around any other erop, hut permitted to be Wisen, perchanee, the trces commenced to bcar, the crop has not been thinned; the anxions owner desiring all the fruit he can obtain
at best not a very large supply, while those at best not a very large supply, while those
trecs thas will hear, are permitted to over-bear to make up for thair lcss profitable neighbors. Nothing can he more shortsighted than this. When we make these statements we do not do so at random ; they are made from many years
olservation of Pear culture, and frnit culture generally; and the deductions are but the repeated expressions of the experience of the majority of writers on fruits. We have stated nothing that is uot bat too well known to amatours and farmers, who have to any cxtent embarked in the cultivation or planting of the
Pear. We have stated nothing about the rival claims of the Standard Pear, or the Pear on the claims of the Standard Pear, or the Pear ou the Quince, as both have been almost equally mis
managed. With respect however to the rela tive valuc of tbe Standard and Dwarf tree, as a profitable investnient, some points will bear a little elncidation.
The objections of the majority of amateurs and farmers apply to the Dwarf tree or that worked.on the quince stock, while this is the class of trecs preferred by the professional cultivator, or rather the "Fruit grower."
The Standard Pear-that is to say, the Pear on its own stock, is better adapted to a majority of soils and localitics than the Pear on quince ; leaving the rarieties for the present out
of the root-growth of the two trees. The root
of the Pear are very wiry, seareh far clown fo their food; in the most unfavorable soils dry, and by slow clegrees are able to establish theinselves very firmly, even in the poores ously and produce a rigorous, healthy tree.
The roots of the quince, on the other hazd frow in masses, do not extend far in compari son from the trank, and require for their nutrition a rich, moist soil, at least rich in organic readily injured by sererc droughit if not protected by mulching in-summer. The varizties ted; that is, all rarieties do not sueceed equally well, owing to the realiness with which the wood system of certain varieties unite with the quince. This depcads on the cell structure of The details belong to the snbject of vegetable physiology, and is worthy of more particular attention.
Varieties which reality usile with the quince, do not overgrow the stock or readily should be planted for profit. Meny others will orow and podnce fine fruit, with special eare "Fruit-growers." amateurs, tell us that ouly a few, say a doze varicites, are "worth growing on the quince. We have repeatedly listened to these remarks them, despairing of being able to make am show against the overwhelming opnosition; indleed, we have seen it so stated in some periodicals at one time, and at another the reverse of it; just as the writer had met with facts to
vear him out in either statement. The number of varieties which succeed on the quince a numerous under the careful management of
the skillful frnit-grower, while in eareless ignorant hands they are very fews.
This braneh of the subject, more than any ofher, some years ago absorbed the attentio of Pomological Societtes, and was to be met with in every rural journal. In aceordanee
with the preconoeeved opinions of the majority of careless planters, the list of varieties which sneeeed on the quince has been mucli curtailed in the American Pomological Socicty's fruil list. Tiere are still enough left, howerer, to the quince, a practicable business.
If we desire a list of twonty varietics ripening throughout the season, we can hare at leas Beurre dAmulis, Sterling, Brandywine. Twelve reliable Full varieties: Belle Lacrative, Henry the Fourth, Beurre d'Anjon, Benrre Superfine, Buffam, Beurre Hardy, Howell, Louise Bonne de Jersey, Urbaniste, Doyen Boussock, Benrre Diel, Beurre Langclier
Five choice Winter varieties: Beurre Easter,
Doyenne d'Alencon, Glont Monceau, Vicar of Winkfiell, Jaminctte.
The above twenty varieties arc sucl as unite closely with the quinee stock, and with fair reatment bcar well; in quality they are amond he best of our long list of sort
Many cultivators, however, would not be
content with the sorts we have named; they would extend the list of Pears they have proved to succeed wcll on the quince,and includemany very. choice fruits, such as the Ott, Flemish Beanty, Baurre Giffard, Bearre Clairgeau, and thers; these have succeeded well on the vation are better onnitted.
The great complaint advanced against the dwarf trees is the fact of their want of longerity, and some have condemned them to die in not admit that they survive so loug, for with some they never grow, merely live or struggle betwecn life and death-hhis is all cquitc easily accounted for
They are also said to be subject to many discases; insect attaek, blight and a long list of defects not known in the cultivation of the standard tree. We searcely admit this, the quince borer being the only insect special to he quince that is very destructive
The consideration of the Standard Pear will taken up at a future time.
February, 1867

## Ipriladelphia facisty

 PHILADELPEIA SOCRETY FOR THE PROM TOON OE AGRICULTUREThe Febriary meeting of this Society was held on the 6th insit., Craig Blidde, Esq., resident, in the elais.
The minutes of the previons meeting having been read, specincin copies of the Farm and Fireside, $n$ weekly agricultural journal, pubished by S. S. Foss, at 402 Prune Strect, Phill delphia, were presented to the members. Also, specinens of the "Praetical Farmer," nonthly work, published by P. Morris, wer iven to the members present.
Professor Kennedy moved that the Society subscribe for both journals; whereupon Gcorge Blight, Esq., Treasnrer, said they were already subseribed for: A Mr. Haines askell for information relotive to the Farm and Firesine stating that he helievel it was also published in New Eagiand. The President said one of the Editors of that paper was present, and
would answer the gentleman's incuiry. Mr. . W. Foss replied that the Farm and Fire sids was published simultaneonsly at Priladelphia, and at Woonsocket, Thocle Island; the former edition for the Biddle States, and the P for New England circulation
Reports of the Agxicultnral Departments a The follow, were prescnted.
The following gentlemen were elccted members of the Socicty: John Berry, James B. Rayner, M. W. Birch, M. McElroy, Georgc Remsen, and J. B. Lippincott. Mr. G. W. proposed for membership. Dr. Thompson, one of the "Conmittoe on
Potatoes," made a partial report-stating that Potatoes," made a partial report-stating that
but few specimens had bcen forwarded to the Cominittee. A sample was cxintibited of a new Seedling, raiscl for two seasons, hy Thomas J. dge, of Chester county. The saunple was ery haudsome, said to be a cross between thi Mereer and the Monitor. (Some people will
qnestion this idea.) Another sampple was preqnestion this idea.) Another sample was prerenorted progress.
Robert M'Clurc, Veterinary Surgeon, exhib itecl a model of the celebrated "Sheep Net, Which is used to a considerable extent in EuHarrison, Esq. expressed his approbation of it, and thought it might be advantageously in troduced in this country. The net-worl is
made of cocoa-nut filure, is rery strong and lurable. The exhibitor thought it would be a cheap and valnable fence for poultry-yards. A circular was read from Hon. Isaac Newton, of the Agricultural Department, calling attention to the importanee of sending eerials to the French Exposition. George Blight, Esq. said the Corn Exchange had already taken action An interesting discussion was opened by Dr. Hall, on the value of fertilizers. He said he had analyzed specimens of several, now in the narket, and the result was that superphosphate of lime, sold at $\$ 60$, was worth $\$ 38$ worth $\$+0$. Burned ground bone, sold at $\$ 60$, was worth $\$ 37.50$, the specimen he exanined having but little ammonia in it, because the bone was burned so fine before being ground. It could be made for $\$ 30$ so as to be of value was worth to the Peruvian guano, sold at $\$ 100$, culations were lesed on ammonia being worth $12 \frac{1}{2}$ cents, the phosphates being worth $1 \frac{1}{2}$ cents-these two items making the principal values. Pondrette, selling at $\$ 20$, was worti
$\$ 14$. In view of these facts, he moved that committee he appointed to memorialize the Legislature for the passing of a law requiring that all artificial manures and guanos be inspected by an agrieultural ehemist.
Dr. Emerson inquired if Dr. Hall had formed his estimate on the net valuc, or whethcr he had taken into consideration the cost of bags, commission, transport, \&c., all of which were paid hy farmers. The incidental expenses on each ton of fertilizers would amount to at least ten dollars.
Dr. Hall said he simply called at the stores statcd, there only remain about a million and
where these fertilizers are sold and obtaine
the price and specimen, which he analyzcd at his leisure.
$\Delta$ discussion now arose, taking a wide range, on
fertilizers.
Dr. Hall sạid it was known to every chemist hat it required one pound of sulphuric acid to decomposc each pound of bonc, hut not one fourth of that amount was nsed.
Mr. Ifarrison said the hest result he had obtaiped was by using supcr-phosphate of lime with Peruvian guano, in equal par ts.
Dr. Einerson said that a fertilizer to be rick, must be soluble. It was not the amount of ammonia in it; hut the question was, is it in such a condition as the ammonia will not fly off to the atmosphere, hut go to the roots of the plants? Some of the preparations were suffieiently soluble to produce one good crop; bot, afier that season, the ammonia flew off to the atmosphere. He placed phosphoric acid as the great agent of fertility. Ammonia has lad that rank, and was yet of great value. Every person knew of the villainous smell of ammonia, and could readily detect the rapidity with which it flew in the atmosphere; yet it could be so fixed hy artificial process as to renain in the eurth and be of vast advantage.
Dr. Kenncdy referred to the amonnt of am monia generated from the soft parts of animals buried near the surface. It was claimed for gnauo that it contained from 100 to 110 portions of animal matter under certain circumstances, and, in other instances, 75 to 80
portions. If it was true animal matter, it certainly was extremely valuable; for ammonia is a means of making an insoluble sulstance soluble. A Russian chemist had made phosphates soluble hy the use of ashes. Potassa, as is well known, is the importan function of ammonia, and is far better than sulphuric acid. In our climate it was very keep them free from insects; and if this is done the plants will take carc of themselves, phosphoric acid having nothing to do with it their fellows, lagged behind in getting in their plants, and the eousequence was they had to resort to anmonia to catch np with their neighbors.
It was decided that a committee should be appointed to prepare a memorial to the Legisa in accordance with the idea of Dr. Hall the President, consisting of Dr. Hall, Dr. Emerson, and Mr. Eidridge, thas connecting the legal with the scientific gentlemen of the

Adjourned to meet on the first Weducsday in March.

Wool Clip of California.-The NewYork Economist, in commenting ou a San Thancisco wool cireular, says:
The clip of California wool is increasing very rapidly. The estimates for this year are about $8,000,000$ pounds, and for 1868 ahout $15,000,000$ pounds. At this rate of progression it is easy to estimate what it is likely to be ten years henee. Quality is also improving, being abont 15 por cent. hetter this year thian
last. Altogether, it is a wool deserving of more altention than it has lately received-the working qualities of the finer grades being quitc equal to that of Mestizas or Capes.

Tris largest plow factory in the world is at Louisville, Kentucky. During the working years since 1860 , iucluding the present season, the factory has turned out over two hundred
thousand plows, and has, at the present time, a capacity of one hundred thousand a year.

Irisir Lasds.-Lord Dufferin writes to the London News: "Five and twenty years ago the mounted so six land in all Hreland only and, at this moment there are only about four million of acres in that condition. Of these four million two million and a half consist of bog and monntain land, so barren as to be reported Dy Sir R. Griffiths unfit efen for pasture ; so acres of waste land to be improved, as has been stated, there only remain about a million and a balfimprovable even for pasture."

## Hin <br> The Farm and Fineside.


C. W. AND S. S. FOSS, EDITORS

SATURDAY, FEBRUARY 16, 1867.
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labebs
MERE

AGBICULTURE THE BASIS OF RECONSTRUC ION.

Tife politicul workd is at presert much ars ted in reference to the best and most feasible plan of Reconstruction. Congress propose one plan, the President another; the radieal usist on this method, the conservatives contend for that-and so on through and down the whole strata of polities. Though the result may be accomplished, in time, yet it wil he hut an imperfect cementation of parties and interests. Time, alone, will be the regenera tor, and uake our Union firmer than adamant It may not be in this generation; the memory of great sorrows and suffering is tenacious viudictiveness is a strong passion; more o less of hitterness always clings to humiliation and defeat. We are of opinion that (in the course of time, necessary to a permaneut and perfect reconstruction of the whole eountry, ayricultural science will be the most powertul
auxiliary in accomplishiug a result so desirahle.

The unlimited right of owning property iu allodial fee, both personal and real, whith in this country deseends equally to heirs and kindred, coustitutes a system of jurisprudenee which is peculiarly an Amcrican institution. This system forms one of the principal elements of our national stability. Here every man, woman and child, may have a reat or prospec tive interest in the soil; here people labor for the permaneney of a hahitation, for the endearmeuts of a home. Next follow competent livings, and a relief from those pressing wants so eurbarrassing to human improvement. Fceling themselves sccure from want, protected and detended by laws, and surrounded hy agrecable associations, they hegin to reflect, iuvestigate, and act for the good of othersfor the advancement of knowledge and domes tic happiness.
Then, if individual ownership of soil is an element of national stability, and if the courpetency arising from such ownership opens the way to social, moral and intellectual improvenient, the more owners of soil in the Southern States, the more general aud abiding will attachment to the country hecome; and the more rapidly will geueral intelligence he spread. The want of personal attention to agriculture in the South, was the main thing that retarded the growth and prosperity of her hest iuterests. Land owners were few, and their possessions comprised thousands of acres each. These were badly, almost barharously, tilled by slave lahor; and the supervision exercised hy overseer and master was merely nomiual. There was no inceutive to improve the implements of husbandry or to introduce those already improved. Scientific agrieulture iu Dixie was a farce; the soil was fertile, almost beyond exhaustion in some sections, and yiclded lavishly and spontaneously. Farm drudgery was a bar to Southem nohilitysoiled hands were the badges of slavery and dishonor
The failure of the Rehellion resulted in the destruetion of slavery ; it will also as surely rcsnlt in the hreaking up of a vast land ownership, and the parcelling and suh-dividing of the plantations into small, manageable farms. If the residents of the South will not do this, others will do it for them. There will event nally be an influx, of hardy, earnest, practical men, producing either a Puritanic clement, or that admisture of races which has made our Northern pcople so contented, tenacious, hiberty-loving. Men will turn their attention to the sure and peaceful resourees of a gricul ture; this will tend to centraluzation; society will he reorganized; sparsely populous districts will become thichly settled; and free schools, academies and churches, will follow the dawn of a rew prosperity

The Sonth, ahove all other sectlons of our
country, possesses the natural ingredients and facilities for agricultural prosperity. The vast extent of her territory; the fertility of heer soil, her irrigating streams and uavighble rivers, he elimate, her natural avenues of transportation, make up a plyysical geograply of the mos favorable character. Hali' a century of practical devotion to agriculture will make au as touncling revolution in the Soutl. It will bo the surest, the broadest hasis upon whiclı to rehuild our uationality-the cardinal creed eformation. Her people will grow ricl the healthful exertion of labor. They will hi happy in the newly developed consciousness o inlecreut power and ability. Each man will feel himself an intcligent sovereign, and will be selueed hy the sophistry of no politieal charlitan or nabob into uorcments or enter prises destined to wreck their fortunes, saerifice their lives or envelop their memories with the disgrace of apostacy or the hraud of treason.

## n auxiliary hot-bed.

As a hot-bed for helping forrard early regetables is a neeessity in every kitchen sarden, and as it is probable that more than halt of those who ought to lare them in a regula way, have let the time slip hy without having them prepared, we propose here a substitute and urge all who have gardens and would
have regetalles three weeks earlice than they are to he obtained by the usual out-doo practice, to muster in our substitute wihout further delay.
Select the warmest, sunnicst corner in the gardeu, well sheltered from north west windsnail up a strong, rough hor or pen, fourteen to sixteen feet long and four feet wide; the
front faeing south, two feet high, the back three. Fill in and tramp down stahle ma-nure-from horses, if to be had-to wihin seven or eight inches of the top of the frout. Gather suel sound seeoud hand glazed sash as ean he got, long enough to reach across the frame, and enongh to cover it from eud to cncl. Batten the end joints with hits of and let the hed sweat ten days. Then find some where-under some old barn or outhouse Hoor, earth not frozen-rich, mellow and free from foul seeds. Cover the surface of the hed with four or five inches of this. Let it lie four or five days to warm up; in the mean time bankiug np the frame all round out side well with stalle manure and litter; theu sow the seeds of sueh plauts as are required carly, lay on the sash, batten the joiuts, give all the sunlight possible, and raise one side of the sash to give air on all warm, pleasant days; protect in sharp, cold snaps with the their departure, remore the sash eutirely, tha the plants may harden np in healthy, natural growth a few days before transplanting. By such an Auxiliary Hot Bed, we can get cgetahles forward, and ont doors; growing rigorously only a few days after the " regulars, and from two to three weeks carlier than ou door culture can give them.

Cattle Plague Inquiry.-The return the eattle plague in Great Britain, publishe hy authority of the Lords of the Privy Council, nakes the following statements: "The number of animals altacked since the commence-
meet is 253,820 , heing 1 in every 19 of the estimated ordinary stock of cattle; and out o cvery 1,000 attacks, the results of which har bcen reported, 862 animals perisled.

Turae will prohably be a great loss of hec in Now England, this vinter and spring, un less considerable attention is paid to them, They should he continually fegl from the last o February till they are able to stuply themselve from other sources. After they commenc oreeding they will consume honey much faster than through the monllis of December and January:
Dr. Nessler of Germany, made an analysis of potatoes of three sizes-the largest about two inches in diameter, the smallest about the size of a walnut-and found them to contain starch in the following percentage:-Large siz 17.2 ; medium, 15.2; \&mall, 14.6.

Getting grafts.
To those who contemplate inproving their fuit stock-and there are many who do-we put out as many young trees as you please and your purses permit; hut be sure to put in nore grafts on your old trees, cspecially if hey are growing remiss of duty, and are shy of heariug. By graidting the best sorts on old
stocks, you will get a supply of better fruit nuch carlier than young nureery trees will give it. Besides, you are twenty tines more ertain of getting the kinds you want, true to uanae, by procuriug gratts from bearing trees
than by depending on young ones from urseries.
Now, during February, is the proper time
to procure grafts. Get them at onee, from
ot that youserymen, friends, or any oue else
getiong them from and what you are getting. Don't put it off", saying:-"I guess
March will do." March may, or may not, do. If it continucs cold so that the buds are not
startel, March, to the midtle, will do. Otherwiss it will not. So February is the safest and don't lay them And laving theur in lry up, nor uuder a shed to freeze to death. That is not the way to treat grafts. Lay them y in a cool cellar; unker a litter of fine straw, or the folds of any old woolen garment, i contaet with the ground, and a slight covering
of some liglt soil will assist in maintaining heir vitality.
At the proper time, put in, or lave them put in, correctly. Thre--quarters of all the ood grafts set, not murdered outright, are orthicults kisists. Don't employ any of than lass. Get a reliahle man who nuderstands his husiuess; or, hetter, make an expert of rourself. It is easily learned, and grafting is very pleasant and profitable pastime. But luring Fehruary. Reurenber this.
messachuserts agricultural college
Tue difficulties which have embarrassed the progress of this institution appear to have been vercome, and the work is now likely forward. The Trustees held a meeting iu Boson last month.
It seems that a deeision luas been made in lie Supreme Court, removing the injunctiou, pon the payment by the town of Amherst, of he $\$ 75,000$ subseribed in aid of the institution and, now that the money is at hand to work
with, it will douhtless he casier to progress with the requisite structurcs.
A contract was concluded with C. M. Whit lesey, of Boston, to crect a dormitory building t a cost of $\$ 30,000$, and a hoarding lousc for 5,000 ; and with L. N. Granger, of Hadley, for the construction of a laboratory at a cost of \$9,350. Levi Stockbridyc, of Hadley, was confirmed by the Trustees as Farm Superintendent, with a salary of $\$ 1,500$. Ten thouand dolliars were appropriated, aud to be ex Committee and the Farm Superintendent, for Committee and the Farn Superintendent, for other necessary farm huildings, and the repair of some buildings on the place.
Work ou the huilding is to commence on the opening of spring, and it is expected that lie college will be in readiness to reccive students early in Septeuber. One of the depart ments of thic College, that of Botany and IIor ticulture, is to be cudowed with $\$ 30,000$ hy subscription. Of this amount ato 0,000 have already heeu suhscrihed by three geutlemen.

Keeplag Cabbages.-A New-Yorker finds his metliod successful:-Sink a barrel in the ground to within an iuch of the top, cut of he heads ancl fill the harrcl full, put on a board to beep out water, and that is all that aceded.

ET The governor of Massachusetts has apointed Prof. Lruis Agassiz, of Cambridgc, and William Clark, of Annherst, members of the State Board of Agriculture.
thiely tale.
Our contributors hcing seusible tuen, will of course accept a gentle reninder, thatt to be o he season shouldalwasabe taliculiuto cousider fion, and their farn talk inade as timoly ax pors with many things to do, and oficer several with crery day aflitirs to permit the kecping a a a bit of information, or adriee, scasonably given, will lave infinituly more chances of be-
ing acted upon than onc equally good tut weeks or months out of season. Many a valu-
able agricultural hint has in this way heen as utterly lost as though it had passed from the are buricd deep in the debris of like unscasonahe material ; coming casually to the surface, memory that all their original persuasire

This feature applies as well to publications ment in faror of a aceckly agriculteral journal. The farmer requires his matter fresh as muelı as he merchant wants his news and commereia intelligence, or the hanker and hroker his every
day fiuancial material ; and, as it would he uncasonable to expet ; and, as it would mind all the raluahle hints he will fiud in a well conducted journal, until the time-two or months distant-shall come round when he cau act npon them, the obvious duty of both
puhlisher and contributor is to make every weckly article a scasonable one, and alwas in ime.

## STRAWBERRIES IN FEBRUARY

## Os Tuesday, we were presented with a pot

 of strawherries, the vines laden with luseiousfruit. They are of the Triomplie de Gand rariety, and were grown in the hot house of Iohn A. Smith, Esif, of Waterford. He prouses ns speeimens of other fruit at an early day: The strawberries may he secn iu our ollice window.

## patemts.

Edwaro Farisur, of Blackstone, has reeived a patent for an improsed butter-worker. The same geutleman aud George W. Scolt g machine.
tw Work by Dosald G. Mitciell. The IIorliculturist for this month The artist-farmer of Edgewood, Donald G. Mitehell, whose charming 'Farm at Etgewootl' and 'Wet-Weather Days,' as well as his actual work on his own estate, have proved himi mas teralike of the poetry, the science, and the practiealities of rural life, is preparing now a -olume on landscape gardeniug and rural cmhellislmuent generally. Nothing could he more mely, or surer of warm welcome, aşno one tud if, as we lear, he proposes to offer his serices to thowe wanting special suggestions and plans for the selection and development of primotel farms, he will at once, we are sure, be come the ner Downing of America, and something more. What we need in this country is to learn how to marry taste with profit in rural life, to have elegant country homes and conduct furm estates with an eye to neatucss and heauty; without an annual impoverishing of our purses ; and Mr. Mitchell has shown, both writings, that this ean he done. The seeret is too valuahle to be kept to himself."

Vemicllar-In New Zealand, as rast as cercals and root crops are plauted, the worms found alive and at work, although such worms and inseets were never seen in the colony he-

The egrs and gruhs of these destructive creatures were introdnced into the colony with the seed. The New Zealand colonists are now paying twenty slillings a head for every British insectirorous hird that is landed alive in the colony.

A Hint in Breming.-Mr. Torr, the well-known breeder of Short-Horn ieattle and Jeicester sheep, iu the course of some remarks at the recent letting of the latter, touching on breccing in general, said: "The way to establish uniformity or family likencss is to begin by putting the hest male to the bast herite, require to he imparted, to the issue of present stock- animans, this musil be done hy degrees, or hy that disereet selection which will yield a litile more wool, or size and sub-
stance, the first year, and a little morc and more in the seeond and third g enerations, and so on."


##  <br> The Farne and Firesile．


adJourned andual meeting of the r I．SOCIETY FOR THE
DOMESIC INDUSTRY．

Tine adjourned annual meeting of the above named Society was held Wednesday，Fehruary 6th，in Proirdence，the first Vice President II．W．Lothrop，Esq．，in the chair．
In the ahsence of the Secretary，Hon．Elish Dyer was appointed Secretary；2ro tem．
The Committee appointed io consider the best means of relieving the Society fronn debt， reported progress，and on motion were con－ tinued．
Geo．C．Nightingale，Fsq．，of Providence and Dr．Wm．II．Brown，of Clayrile，
e usual terms．
The followiug resulution ofterel by Hon． Elisha Dyer，was alopted：
Whercas，It has been announced that the absence of the honored Secretary of this Society from this the adjourned annual meet ing，is in conseqnence of the death of a mem ber of his family；it is therefore
Resolved，That the memhers of this Society tender their sympathy to the Hon．Wm．R Stuples and family for their aftliction and hereavement，and that the Secretary pro tem transmit to them a copy of this resolution
The subject of an exhihition was called up and discussed，and on motion of Mr．John Holden，of Warwick，was referred to the Standing Committee，with full power to act．
The report of the Committce on nomination for officers was presented by the chairman， MI：O．Brown，and it was roted that the re port he received and the persons thercin nominated he declared elected．They are e follows ：
President．－TVm．Sprague，of South Kings
Ist Lice President－Joscph H．Bourn， Noith Providence．
2nd Fice President．－Cyrus B．Manclester
of Providence．
3rd Iicc President－Obadiah Brown， North Provilence．
Secretary and Treasurer：－Wm．R．Staples， of Providencc．
Audit and Finance Committee．－Wim．Viall， Edward P．Taft，and Istrael MI．Bowen．
Standing Committec．－Gcorge B．Peck， Oliver Johnson，Rohert S．Burrough，James Y．Smith，of Providence ；Elisha A．Lawton， Cranstou；Alfred B．Chadsey，North Kings－ town；Amasa Sprague Cranston；Henry Staples，Barrington ；Tlomas G．Turner，War－ ren；Wm．B．Spencer，Warwick；Henry J． Angell，Providence；George F．Wilson，Eas Proridence；Soth Padelford，Providence Charles S．Bradley，North Providence；James D．W．Perry，Bristol ；Jno．B．Francis，War wiek；Royal C．Taft，Providencc；Silas Moore，Cranston；Allen C．Mathewson，Bar rington ；Chas．N．Hoyt，Providence ；Jno．G Clark，Jr．，South Kingstown；Lyman B． Frieze，Providence；Elisha Dyer，Providence； Jno．Oldfield，Cranston；Wm．E．Barrett， Providence；Cyrus Harris，Warwick；Joseph F．Brown，North Providence ；Joseph Hodges， Barrington；George D．Wilcox，Providence； T．G．Potter，East Providence．
Mr．Henry W．Lothrop，first Vice President of last year，declined heing a candidate for this year．
$A$ mecting of the Standing Committee was held immediately after the adjournment of the Society，first Tiec President，J．H．Bourn，in the chair．Hon．E．Dyer，was elected Secre tary pro tem．
The sulject of an exhihition，referred from the Society，was fully diseussed，when upon motion of Mr．George F．Wilson，it was voted that a general exhibition，cattle show and fair be held during the cnsuing year，and that a committee to whom shall he entrusted the nccessary arra ngements for carrying this mat－ ter into e ffect，be authorized to eo－opecrate as they may deem expedient with the New Eng land Agricultural Society in any action that may he taken for holding a fair in this Stat during the current year．
On motion，it was voted that the President
into the several standing sul－eommittces，with he same duties and powers as last year． On motion of Mr．G．F．Wilson，it roted that the Secretary be instructed to publisl the usu：l number of
Soeicty＇s Transactions for 1866 ．
On motion of Mr．G．F．Wilson，an execu tive committee of three persons was appoint－ ed to make the necessary arraugements for the proposed exhibition．
Messrs．Amasa Sprague，Obadialı Brown and Lyman 13．Frieze were unanimously elected as the Executive Committee，and requested to re port their aetion at the next regular meeting of the Stauding Committee．
It was voted that the procecdings of the ad journed annual meeting of the Society，and of his meeting of the Standing Committee， 1 pullished in the daily newspapers of Provi enee．
Adjourned sine di

## IThe Farm．

early cut hay for liflch cows，etc．
A oorrespondent of the Country Gentleman speaks as follows of cutting hay in Juue：

I willingly state that my experience of over cutting grass when it is coming into bloom the folly of waiting till it is going out of blos om，and the downright craziness of leting it tand till the seed is ripe．I am quite certain that when grass is cut early，it is not only the gain of makiug such a much hetter quality of hay that will gratify the farmer，hut the land is scarcely weakened at all；whereas those who follow the suicilal practice of mowing late，rob their land and the afterfeed，cheat every ani
mal that ents the poor，dry，leafless stuff，and defraud themselves and their families－tbis the reasou why cornstalks are rated as highly as lay，and why so much meal has to be given o keep store cattle in a healthy condition．So far I can eorrohorate the statements made，but however good the hay，I have always found benefit from feeding other stimulating food，the extra feed，of whaterer kincl，always helping to increase milk，hatter，flesh or growth．I have given，at various times，to milking eows，with provement of the hatter，every kind of meal， puuplkins，mangolds，carrots，cabbage and kohl rahi，and hy loing so，the same quantit of hay would do for three cows，with the ex tra feed，that would do for two without it；and combined，it would make a corresponding dif erence in exact proportion to the e．xtent these nourishing kinds of food were given．

## TOO MUCH STOCR．

Ir should ever he a rule with the farmer to intel 110 more stock than lie can winter well． A single slieep or cow，properly cared for，aul provided with a sufficiency of wholesome and butritions food，water，and comfortable shelter will be of more value to the．owner than two， policy，to appropriate to two or more animal the food necessary for one．Yet this singular mistake is often noticcalle among those who consider themselves－and are called－good farmers；and indeed is，or has been，often practised hy whole communities．In seasons f scarcity，more stock is kept than there i Cood to supply their wants；consequently the price of hay is unduly raised，and suffering， often irremediahle and ruinous to the con－ munity is the result The true poliey is to tee just as many animals as will he fodder produced on the farm，and no more But this would not preelude the plan of por chasing fodder－were the money at hand to o so－with the intention of increasing the quatity of mannre and the productive power of the farm．
Practices on the farm have greatly changed in this respect，as in many others．We have heard men hoast of wintering a cow of com mon size on a single ton of ordiliary hay．Un－ ler such a practice，nearly every farm in the neighborhood would lose one or more good ani－ mals every spring，by some disease induced by
want of food and exposure to coll．Swine died， and so did nearly one－lalf the lambs and
calves．Cows and morking oxen came out of the winter poor and weak，the former giving but little milk after calving，and the oxen en lirely unft for ${ }_{3}$ performing the spring work on rust that it is nhandoned anong all enterpris ing farmers．Feed your stock well，and they will feed you．－Nero England Fit

The report of the Commissioner of agricul ture for January，contains an clahorate com pilation of the statistics of wages of farm lahor throughout the country，hased on original re turns from every State in the Union．It also includes the territories．The average rate of White lathor withont hoard，is made $\$ 28$ per month，or 815.50 per month with hoard．The average rate of freedmen＇s labor is $\$ 16$ ；with States is in Califurnia，which is ahout $\$ 55$ Massachusetts phays the next highest，$\$ 38$ ．

|  | Harriages． |
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## Heaths．









IThe 物等arlyts

## woonsocket retail market


brighton market，－rib． 13.
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Limbis



 eacb．
$\qquad$ The eupply of Catue from the＂est is mosily of an ordinary
crade Thre 18 but nfew rery extra Beeves la market． 1 rrice
remuln unebanged from our tast quotatloas，anil trate has remain une
bcen dull．
Stores－
Stores－There are but a few Stores brougbt 10 markel at
Host of the small catle are sold to slaughter．

workers．
Milcb C
Cors $\$ 35$（a） 50 ．I＇rlecs of sulch Cows depend Altogetber upon
he fancy of $t$
n mariset．
Sheep and Lambs－Trade is dull．Biost of the Westerm

## $62,825,43, \$ 30,92$ Swlae－None in markel．

## PHILADELPHIA WOOL MARKET



WEEELY REVIEW OF THE NEW YORK WHOLESALE MARKET．

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$\qquad$

## FICAGO GRAIN AND PROVISION MARKET

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PORR AND LARD AT THE WEST．



| －67－m |  |
| :---: | :---: |
| Fquifalent |  |
| In lbs． | Pligs |
| 1，183，450 | 12，51： |


|  | Equiralent |  | Equisalcont |
| :---: | :---: | :---: | :---: |
|  | ln 16s． | Pkgr． | 1 bs ． |
| Lard，begs．．．．1，210 |  |  |  |
| Pork，bols ．．．．l，423 |  | 2，127 | 100，300 |
| Pacon，hhds 146 |  |  |  |
| Pacon，hads．．145 | 146，000 | अ0 | 210，000 |
| con，tees．．279 | 81，600 | 1，570 | 471，000 |
| Bracon，brs．．．． 41 | 16，450 | 23 | 9，23） |
| Bacon，lbs．．．．．．． | 1，32，676 |  | 2，455，7\％ |
| Total．．．．．． | ．3，115，176 |  | 7，541， |
|  | shipme $-e_{i}$ |  | 6－ |
|  | Equlvalent |  | Equivalent |
| Lard，buls．．．．3k，290 | $\begin{gathered} \text { in lbs. } \\ \mathbf{i}, 6 \bar{\delta} \hat{t}, 000 \end{gathered}$ | $\begin{aligned} & P_{1 k g} \\ & 24,301 \end{aligned}$ |  |
| Lard，kegs．．．．10，679 | 533，050 | 14，352 | 717，000 |
| lork，blis．．．．31，367 | 6，353，100 | 33，759 | 6，731，600 |
| Bucon，hhds．．9，797 | 9，797，003 | 8.110 | 8，110，003 |
| Bacon，tces．．．1，341 | 1，309，300 | 3，3，4 | 1，016，109 |
| Bacon，brs．．．1，902 | \％60，800 | 2.58 | 1，149，800 |
| Bacon，lbs．．．．．．．． | 153，203 |  | 168，\％ 2 |
| Dednct recelpts．．．．．．．．3，115，150 |  |  | ¢っっ773，1\％2 |
|  |  |  | ¢，\％ral 1,0 |
| Excess of shipments．．．．22，396，477 |  |  | 15，239，2 |
| These agures show a falling of in the recolpte from tho country thls beason of $4,429,922$ pounds，wbleh la accounted tor in part by the lower prices ruliag bere thls season，and la pare by tbe interruptions ia meaan of traaspurtation．Oa tho otber band，the sh！pments have lucreased 3， 739,503 pounde，ofer two－ thirels of wbieb is in the single article of lard．Adding thes two ltems tojether we have $8,168,23$ ponndm，at tbe reduction of stock in excess of last season，whicb is equal to the yroduc． tlon of orer $36,000 \mathrm{hogs}$ of 23\％pounda each；but the fncrease in tbe stociz on liand at the commenceroent of the season，and the number of begs packed here will compeasato for thes mearig thiree－fold． |  |  |  |
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tiduertisment．




 our inventions, the above cut, which represeuts reality as faithully as a picture can do, an
original object, is proof positive. In the IVenoriginal object, is proof positive. In the Mendenhull Improced Self-Acting Hend-Loom, the philosophical and practical combination of simplicity, durability and efficiency, has super-
seded the earlier features-complexity, force, seded the earlier features-complexity, force,
friction, and consequent liability to frequent disarrangement, more completely than in any other labor-saving machiue that we have ever seen or heard of.

As a practical mechanic and mechanical cxpert, Te have given close and continuous critipractical performauce of the "Iuproved Menpractical performauce of the "Iuproved Men-
denhall," aud frcely coufess we have found no denhall," aud frcely coufess we have found no
feature to find fanlt with-everything to commend

So entirely simple, disorder of parts is nearly impossible. With so little friction, hut trifling power is required to operate it. It weaves by simply turning a crank-a perfect automatonswings the lathe, springs the treadle, flings the
shuttle, nowinds the warp, winds up the woshuttle, nowinds the warp, winds up the wo-
ven cloth, and maiutains the tension, never ven cloth, and maiutains the tension, never
making a mis-move; hut uaking cloth of very superior quality, and of eight or nine different styles, all on the same warp, at the rate of frou 20 to 3.5 yarls per day, Jeans, satinets, bagging, toweling, table linen, cotton, wool, hemp cloth, and carneting, are among the hemp cloth, and carneting, are among the
Mendenhall's easy achievements. In the majority of these, the change can be made in two minutes from one stylc of fabric to another on the same warp. The proprietors of the Philadelphia "Mendenhall," have recently invented a shuttle by which rag carpets can be rapidly woven by self-action, the same as any other woven by self-action, No other loom has this improvement. The farmers, mechanics, and all others wearing "storc clothes," actually pay on the material of which they are made six profits, and the U. S. tax of six per cent., all of which accrue on the raw material between the time of its going out of farmers' hands and returning to them in the form of clotll. The Mendenhall Loom saves to its proprietors all this, besides giving them a better quality of cloth at an av-
erage of less than two-thirds the cost of store erage of les
material.
For terms and particulars, with samples of cloth, address A. B. Gates \& Co., proprietors, 333 Chestnut strcet, Philadelphia.

To Relieve a Covgh. - This is the season for colds; and colds are the forerunners of couyou would avoid the last. For years we have you would avoid the last. For years we have
found the following preparation the best for the curc or relief of a cough that we have ever tried: Take two ounces flasseed, two ounces stick liquorice, half a pound brown sugar, half a pound raisins, one quart of cider. Boil the whole down to one pint ; strain it off and put
it aside for use. Whenever the cough is troublesome, take a table spoonful at a time--Portland Press.
There are but three manufactories of sheet aud bar zinc in the United States. One is at Bethlehem, ${ }^{2} \mathrm{~Pa}$

Prof. Agassiz found 1,800 varieties of fish Prof. Agassiz foun
in the river Amazon.

## DANIEL WEESTER.

Admitted to the har in his twonty-third year, he dutifully went home to his father, and
opened an office in a New Hampshire village near hy, resolved never again to leave the generous old man while he lived. Before leaving Boston he wrote to his friend Brigham : "If I an not earning my bread aud cheese in exactly nine days after my admission, I shall certainly be a bankrupt;" and soindeed it proved. With great difficulty he "hired" eighiy-five this great sum wras immediately lost in its transit hy stage. To any other young man in his situation, such a calamity would have becn, for the moment, crushiug; but this young man, indiffercht to mexm as to turm, informs his brother that he can iu no conceivable way replace the money; cannot, thercfore, pay for the books he had honght; believes he is earn-
ing his daily bread, and as to the loss, he has ing his daily bread, and as to the loss, he has
"no uneasy sensations on that account." He concludes his letter with an old song, heginning -

## "Fol de dol, dol de dol dil dio, TU never make money my idol,"

In the New Hampshire of 1806 there was no such thing passible as leaping at ouce into a lucrative practice, nor even of slowly acquiring couutry lawyer who gained \$1,000 a year was among the wost successful, and the
leader of the bar in Ncw Hampshire could not earn $\$ 2,000$. The chief employment of Daniel Wehster, during the first year or two of his practice, was collecting debts duc in New Hampshire to merchants iu Boston. His first tin sign has been preserved to the present day, to attest by its minuteness and brevity the humble expectations of its proprietor. "D.
Webster, Attorney," is the inscription it bears. The old Court-IIonse still stands in which he conducted his first suit, hefore his own father as presiding judge. Old men in that part of New Hampshire weie living until within these few ycars, who well rememhered secing this tall, gaunt, and large-eyed young lawyer rise slowly, as though scarcely able to get upon his fect, and giving to every oue the imprression
that he would soon be obliged to sit down from nere physical weakness, and saying to his tather, for the first and last time, "May it please your Honor." The sheriff of the county, who was also a Webster, used to say that he felt ashamed to see the family represented at the bar by so lean and feeble a young man. The radition is, that hc acquitted himself so well on this occasion that the sheriff was satisfied, smaller fees, in considerable numbers, to the office of D. Webster, Attoruey, who thencefor ward in the country round went by the name of "all-eyes." His father' never heard him speak again. He lived to see Daniel in successful practice, and Izzekiel a student of law, and ster practiced turee years in the country, and then, resigning his business to his brotlier, es tablished himself at Portsmouth, the seaport of
New Hampshire, then a place of mucl foreign commerce. Ezekiel had had a most desperate struggle with poverty. At one time, when the family, as Daniel ohserved, was "heinously unprovided," we see the much enduring "Zeke" teaching an academy hy day, an evening school for sailors, and keepiug well up with his class in college beside. But these preliminary troubles were now at an end, and both the brothers took the places won by so much toil and self-sacrifice, -Mr. Parton in the North American Reviero.

Sale Your Chinanass.-In building a chimney, put a quantity of salt into the mortar with which the intercourses of brick are to be laid. The effect will be that therc will never be any accnmulation of soot in that chimney The pliilosophy is thus stated : The salt in the por tion of mortar which is exposed, absorbs moisture every damp day. The soot thus becoming damp, falls down the fireplace. Our rcader should remember or preserve this little piece

A new style of bonnet has made its appearance in Paris. It is very simple, consisting merely
in the top.

## the rain-power.

Tine raiu-power is stcam-power. Older than Fulton, Watt, or the Marquis of Worcestcr, it has operatel from the beginniug, since the day when first the sunheam dallied with
the wave; and the rainbow was woven for the wave; and the rainbow was woven for of the grandcur of this apparatus, when we reflect that all the rivers in the world are only the overplus of its stores, only the drippings rom its rast magaziues, as its hountics ar distributed over the land. Rivers are of course fed hy the rains, aud represent the Gxeess of moisture deposited on the couutry which they draiu. All the water-power in the world-the stupendous Niagara, the Mississippi, the Amazon, the Nile, the Ganges ; every floats Yankee logs, or chokes with Yankee saw-dust; each and all, are hut the residue of the steam-power which waters the earth. All gain their force from the labors of steam. In
some far off sea, the power of sum-hcat lifted the steaming vapor high in the air. Leagues away the cloud floats before the winds, still upheld hy heat, till the cold air benumbs the fingers of the great water-carrier, and forces him to drop it in rain. The amount of the
yearly fall of raiu varies from twenty-three feet, in some parts of Sonth Anerica, down to nothiug, on some desert portions of the eight inches New England average is thirty of the globe is about five feet. This would require a hody of water, as long as from Boston to Liverpool, one thousand miles wide, and two hundred and twenty-four feet in depth, each year. This mass of water is each yea hoisted up hundreds of feet into the air, carricì, some of it, thonsand of miles, and then let down again where it is wanted. "What a powerful engine is the atmosphere ! and how nicely adjusted must be all the cogs aud whees.s, and splungs and pimions of that ex-
quisite piece of machinery, that it never wears out, nor friils to do its worlk at tine right - time, and iu the right way."

Heapy Snowstorms in Europe.-The winer has heen as severe in England and on the contincnt as in the Unitcd States. A private letter from Paris, datcd on the 13th of January eports that the cold is intense, and everything covered with frost and snow. The heaviest fall of snow for many years took place in Scotland on the 12th and 13th of January ; railways ere hlocked up; and one fatal collisiou oc vy snowstorm occurred. The mercury fcll to wo degrees below zero, navigation on the Thancs was suspended, and the public work at Blackfriar's bridge and the Thanes cmbaukment were stopped. No boats had arrived at Dover from Calais for three days, owing to the lockade of the French railroads by snow, and English coal traffic was also impeded.

Anoient Bricks.-Prof. Unger, the celebrated Viennese botanist and paleontologist, has recently puhlished some remariss on the brichs of the ancient Esyptians, especially those of the pyramid of Dashour, which was built bout 3,400 ycars before our era. Onc of them heing examined through the microscope by the professor, he discovered that the mud of the Nile, out of which it was made, con-
tained not only a quantity of animal vegctable matter, but also fragments of many maniufactured substances, whence we may conclude that Egypt must have eujoyed a high degree f civilization upwards of 5,000 ycars ago. Professor Unger has been enabled, by the aid of the microscope, to discover in these bricks
a vast numher of plants which at the time grew in Egypt. The chopped straw, clearly discernible in the body of the bricks, confirms the description of the manner of mating the the look such as we find

A Challesge.-Captain W. A. Williamson f Mobile has purchased the race horse Farry of the West, aud challenges any horse in the United States to meet him in the spring rac

Verdere iv Wintrr may he attaincd, prettily, in front of dwellings, by tastily arrangiug evergreens of various colors, forms and sizes. A finc arrangement is a group of three junipers, three to four feet high, in the centre, and one decidedly taller than the rest. Around these a siugle row of low Canada halsams, taking the form of the bed, but not crowded. Outside, a row o? arbor-vitxes, or ring of little red cedars, very compact and low. Next a circle of bear grass, with its ong pointed leaves, so as to make a contina ous hand of pale green.

The quality of wool is tested hy taking a lock rom the sheep's back, aud placiug it on a surface representing an inch iu length. If the spirals count from thirty to thirty-three in that space the wool is equal to the finest " Elecoral" or Saxony wool. The staple is iuferior coordingly as it takes a lesser numher to fill ap the same space.

Cravberries.-Four or five years ago six or seven acres of meadow, in the town of Essex, Ct., were jllanted wit'. cranberries. Last fall eight huudred bushels were gathered from the patch.

Large Crop.-Upon the farm connected with the Deer Island (Mass.) House of Industry, the past year, $4^{\frac{1}{2}}$ acres werc used for growing mangle-wurzels, which produced a gross weight of 264 tons. Oue acre yielded 73 tons,-the largest product per acre, it is claimed, on record iu this country.

A correspondent of the Country Geutleman who has this year 1700 bushels of beans to feed to his sheep, considers them worth equally as much as coru. He says it is necessary to cer carefully at first, mixing in some lighter feed, till the sheep become accustouned to them, as beans will clog them sooner then any grain he cver used.

The same amount of study, tact, talent, energy aud cnterprise that suffices to make a or a mercantile career, will place him iu the frout rank of the tillers of the soil.

A farmer in Pleasant Valley, Iowa, kept 50 cows last year, which carned him on an arcrage, $\$ 100$ each.

Aduortising 制epartment. Rhade Island.



lanufactures of FLUE and TUBCLAR STEAM BOILERS,
OIL \&ad WATER TANKS, WATER PIPE and PLATE
TRON WORK of every description.





W. mawaveww


VOL. 1.
WOONSOCKET, R. I., SATURIAYY, FEBRUARY 23, 1867.
SHGLE COPS FHE CEAMS

Warticulture.


For the accompanying illustration of the most beautiful plant of all the raaize family, we are indebted to the courtesy of B. K. Buiss, Esq., the sovereigu of New England seedsmen. For a general and somewhat intimate knowledge of the plaut itself, we are indebted to an early Bohenian Lhabit that has carried us iuto divers corners of the world where the Zea Curagua is grown; for though where the Zeat Curaguat is grown; for thougu,
popularly hailing from Japan, this unique, useful and ornamental plant, las otber homes; in some indigenous, iu others adopted; and in all so similar in appearunce, growth, habits and general charaeteristics, that, in our opinion, the species are identical, only varicd slightitly by climate, soil, and more by culture.
In Cochin China it has been grown a thousand years for food for botb men and animals. In the great Japanesc island of Jesso, in a parallel North of $42^{\circ}$, the plant is considerably eultivated, ripening in about three and a half montlis from planting, and serves for food, both green and ground, and is made into bread. It is more rare in Niphon, or Japan proper; but common again in Loo Choo, Formosa, and the Magellan and Ladrone groups.
On the American continent, the plant is confined to an Andean belt, and high altitudes mostly; extending from about the parallel of seven s. latitude, south to tbat of $42^{\circ}$ at least. Ou the islands of Lake Zitticaea, aud the platean of Cuzco, at an eleration of nearly thirteen thousand feet above the sea, the Zes was grown as a sacred grain, of which offerings were made to the Sun-deity of the ancient Peruvians, centuries before the Western World was known to have an existence. It is still grown there, no longer as a sacred grain, however, but as a variety of maize that will ripen at an altitude where the range of mercury is so low and seasons so brief that no other variety will mature its grain.
In the interior and upper Andean regions of southern Chili, where the season of growth is as short as that of Nova Scotia, and climatie vicissitudes greater than those of our Northern States, the striped leaf maize, Cana Formosa, Zea Curayua, "Japanese Maize," or whatever by courtesy we ehoose to call the pretty plant,
is cultivated extensively, grows luxuriantly and the grain roasted or boiled while green, and ripe, ground or pouncled, and made into bread, is the daily food of men and women both civilized and savage.
Iu all these far:Southeru monntainons regions, both natives and white people urake a very good, sweet sugar of the zen, by denuding the canes of their foliage and ears just when the latter are entirely developed and in full milk; the process being as simple as simplicity it self-merely beating the cane to a puip with a club; separating tbe juice in a rule press, and boiling it down to sugar, as our Northeru sugarmakers do the sap of the sugar maple.
We are not prepared to assert, positively, hat grown in the United States, the eerc cancs will afford strgar in sufficient quantity to make its culture for that purpose profitable ; but out belicf is iu that direction, and our conviction is decided that the experimeat ought to be fairly made. Admitting, however, that the canes will not produce sugar in rembueratise quantities, the merits of the zell, otherwise, are gardeners to adopt it as a pet plant, and̀a valuable acquisition to our maize list. It will grow in good soil, under fair culture, as luxuriautly in the United States or the Canadas, as in Japan or Southern Chili. We have tested that by satisfactory experiment. Then, by closer planting, the produce per acre may be made to average that of any other kind of corn; while the amount of first-class blade fodder will be double that produeed by any other variety of maize. Cooked green, it is delicate and delieious, and no better corn-bread or cakes were ever made from any meal than that the striped leaf zeca makes. All these good qualities, coupled with the great beauty of the plant, justify us in advising so many as we can, to purchase a package of the "Japanese" seed, and experiment with it.

## Rotation of garden crops

Written for the Farm and Fireside,

Tue principle of the rotation of crops has een already treated of in the columns of the "Furme and Fircside," and in regard to the correctness of the principle, there can be no conroversy. In the esculent gardeu the necessity for rotating the crops, if we would preserve the fertility of the soil, is just as great as on the farm, but as the variety is greater, the proper routine is not so evident. In the farm there are a few varieties only, and eacle field or divis ion of the rotation may be entirely occupied by one crop. In the garden, on the eontrary, we cannot appropriate an entire division of the be grouped, so as to occupy the division to which their nature suits them. Thus, if the garden allotment be one acre or four, or any other less or greater amonnt, we shonld divide it into fonr portions, exclusive of any portion oecupied permanently by such crops as aspar agus, rhubarb, strarrberries, herbs, \&c., which of eight acres, two four-course rotations may
be adopted. We shall suppose, for the present, that the lot is one acre in extent. We divide acre each ; as it is most likely to be worliced by the spade; and if in form of a rectangle, as it should be, a ceutre walls will separate it into two-and another walk at right augles wit make the four divisions or comparments
As there are many things required in the garden which will only require a small bed, it is
adrisable to leave a side border all around, by adrisable to leave a side border all around, by making a narrow walk five feet from the fence, this walk may be three feet wide. We have thus a rectangle, divided into four main eoun-
partments, with a border walk. These we partments, with a border walk.
slanll designate as $1,2,3,4$. In No. 1, potatoes are planted, to be followed by cabbages, rausplanted between the rows. When the potatocs are removed, the calbages will occupy the ground, which, in the Fall, after the cabbages are removed, should be ridged, so as to expose the soil to the action of the frost iu winri, and permit the free escape of surtace water. Te do not, iu this article, design to give the مutive of culture, only to designate the crops in the several compartments.

The potatoes will be succecded the secportion of the division

The corn will be succeeded by onions, Spring spinnach, early beets, early cabbages ransplanted, celery, okra;-tomatoes and egg plants are also grown in this division as iutermediate or stolen crops. It may be remarked that several of the above crops are planted between the rows of early maturing articles, so that they occupy the space after the reuoral of the others. This is properly styled unixed culture.

The rariety of crops, as stated in last paragraph, to be followed in the fourth season by peas and string or snap-short beans, long beets, carrots, parsnips and salsify. The early crops to be followed by tumips, and in the Fall, spinnach for Winter or early Spring use.
Sercral items which are introdueed between
the hiils of other vegetables, hare not been mentioned, the object being to designate bricfly the main crops in the several divisions.
It is not to be suppused that the inexpericnced cultivator ean realize from the garden tbe returns obtained by an experienced gardener. The mere rotation will do little towards it, as there must be slill to apply tbe proper manure for cach crop; the rotation will control the selection of the quality and quantity of naaure in each division, and each portion of the division; as, for instanee, where peas and beans are to be sown, the manure must be fully deeomposed and well mixed with the soil, as fresh mannre encourages the growth of leaves
and stems. Again, all deep rootiug vegetables, such as parsuips, carrots and salsify, must be grown on the deepest worked soil; that, for instance, where celery trenehes have been. There are many further details, whieh will be in season a little later.
I. H. Mr. Cochran, of Crafisbury, Vt., raised 2 bnsiels of good wheat from tro bushels of seed sown on one acre and a quater of land The Farm and Firesite.

The Starl--栠and.


## HOW TO MAKE MILKERS.

No matter what hreed you have, something is neeessary to reaeh the highest suecess in raising milkers. And ean farmers expect ever to raise good stoek from cows to whieh, for the purpose of making them milkers, they have been in the hahit of usiug any runt of a bull they eould pick up?
It's a great thing to have good blood, whether it he Ayrshire, Jersey or Short-Horn grades, but apart from this important adrantage, the eourse of treatunent in raising a milkcr is some what different from that in raising a beef animal, or an animal for lahor.
The calf should hc well fed and petted while young. Well fed, to induee a rapid growth, so as to enahle the heifer to comc in early ; petted, to make her gentle and fond olp
the presencc of her keepers. Fondling helps to ereate a quiet disposition, so importaut in a dairy cow, and this edueation must begin when young.
For a milker we would have the heifer eome in at two years old, and if she has bcen well kept, so as to have attaiued a good size, she is tben old enough to heeome a cow. She will
give more milk for coming in early. It forms the habit of giving milk, aud hahit, you know, is a sort of second nature. An older huli is hetter. We use too many young hulls. A three or four years old is far hetter as a stoek or six years oll to any other. Aiter the heifer has come in, let her feed be regular. Clover is prefcrired to all others for the stall feed. A little oatmeal induces a large flow. Iudian meal is rather fattening. In had weather, give her a clean, airy stall.
A cow newly come in should uot drink eold water in eold weather, hut moderately warm
slop. Calves inteuded for raising sbould he taken from the cow within a ferv days, and they will be less liahle to suck when old. Fecd then first with new milk for a time, then skim milk, then sour milk, taking care that all the changes are gradual, hy adding only portion first, and gradually a little meal.
Calves well fed and taken care of, with' a quanhe the of meal daily in wher, attained by common treatunent.
Heifers thus treated may come in at two years old, and will be better than negleeted animals at three, and one year of feeding saved.
Heifers dried up too early after calving, will always run dry in after years; therefore he careful to milk closely the first year, until ahout six weeks before ealving.
Hearty eaters are desirahle for cows, and they may usually he selected while calves. A dainty ealf will be a dainty cow.
Heifers should heeome aceustomed to be freely handled before calving, and drawing the teats.
They will then not be difficult to milk. Be gin gradually, and never startle them.
In milking cows, divide the time as nearly as practicable between morning and evening, especially at time of early grass, that the udder may not suffer.
Persons wbo milk should kecp tbe nails cut short; animals are sometimes hurt with sharp
nails, and are unjustly eharged with restlessness.
To determine which eows are best for keeping, try their milk separately, and weigh their butter-for sometimes a cow may give much milk and little butter, and vice rersa.
$\triangle$ SHORT SERMON ON HORSES
The reeent improvements in Ameriean arehi tecture lave not reached the stables, to the extent that eould be desired. Brown stone fronts, high ceilings, marhle mantle-pieces, eostly furuaees for warming and ventilating the dwelling, may please the ese, and promote the health and comfort of the oceupants, while the valuable horses of the proprietor are suffering from the poorly constructed and poorly ventilated stahle.
The fault often lies in two directious. The stable may hc too tight, or too open. A harse needs light, as well as air and suitable warmth and fool,--the vegetable strueture hardly uceds light more than he does. Pure air is essential.
His blood cannot heeome purified while the His blood cannot heeome purified while the
air which iuflates his lungs is full of foul gasses from fermenting manures. Nor is it enough to keep the stalls clean, if they arc so tight that the horse is ohliged to breathe his own hreath over and over again. Digestion is interfere with, and all the funetions of life are impeded, Lazy grooms deelare that a elose, warm stable helps to make a horse's coat finc and glossy in winter as well as in summer. But iu winter sueh a eoat is not to be desired. Nature pro it to defend him from the cold. If the is well groomed and blanketed his hair will be suooth and glossy enough all the year around The indolent grooun ought hinselfi' to be shut ap for twenty-four hours in the hot, steamin air in which he would eoufine his master's horse, and see how he would like it. Open the doors of sneh a stable in the morning, where several horses are kept, and the hot air and the hartshorn are almost suffieient to knoek a nan down. What wonder, then, that horse so used should suffer from inflamed eyes, eough glanders, aud other ailments! Thc wonder i
that they bear the abusc so long and so well.
Now, the "improcement" to our sermon is simply this: ventilate the stables. Ventilate, both in winter aud in summer. The outer air sould be brought in at eertaim plaees near the floor, but not in the immediate ncighhorhood f the horse, so as to cause hurtful drafts of vind directly upon him. Impure air must be ejected, as well as pure air brought in. This can be done in summer very well by leaving several windows open in different parts of the barn. But a better way is to insert ventilators in the highest part of the building, into whieh entilators (square wooden tubes) shall lead from the stalls, and whieh can be opened or closed at pleasiure. These ventilators should be covered with a cap, to prevent downward
eurrents and the beating in of rain. By this lan, the down ard ras in of rain. By this rom the stall without mixing with the hey the loft.-Lover Canada Agriculturist.

Cows.-Feed for Salable Milk.- ${ }_{4}^{3}$ good hay salt hay; 2 quarts Indian meal; 1 quart cot en seed meal: 1 quart linseed eake.
Feed for Cheese.-Clover lay, Indian meal, pea meal, bean meal, linsced cake, bean straw, (steancd) \&e.
Feed for Butter.-Indian meal, eotton seed meal, parsnips, good hay, \&e.
Feed for Swoill Mith:-Salt bay, brewer's grain, brewer's slops, turnips, carrots and potatoes.
Twenty pounds of hay daily will keep a Ow on her feet through the winter.
BEANS and middlings are exeellent for cows n milk, but too expensive.
Eleven quarts of milk will make oue lh. of utter.
Ten pounds of milk will make one lh. Cheese.
Smail Savings.-The parings of a bushel of juicy apples are said to yield a quart of cider by the aid of a hand press. The honey that wastes its sweetness on the air around an aere of buckwheat in blossom, can be saved to the amount of fifteen pounds per day, aecording to the estinate of a German investigator. Rags ean be saved to the value of $\$ 60,000,000$, as shown by the paper statisties of tbis country alone.
Manure, whether for garden use or for hot-
beds, shonld be aceumulated. When the hcap hecomes hot it should be turned to avoid injury.

## Hotes and Queries.

essrs. Editors of the Farm and Fireside
I shall undertake to answer, according to the hest of my "knowledge and belief," the questions asked hy " X ," in the Farm and Fireside for Fehruary 9th.
First, of fowls: "Whieh is the most profitable hreed to raise for eggs, and whieh for poultry" For eggs, mix breeds all up together a much as you can-Brahmas, Bremen, Jersey Blues, Blaek Spanish, Hamburghs, Dorkmgs, Barnyards, and Bantams. They lay hest and longest that way. Such has been my own, and the experience of at least two hundred pretty successful poultrymen whom I have cou sulted.
As poultry sells by weight, always, and a fowl half Brahma, half Dorking, makes a hig bird, and weighs one-fifth more than any other breed or cross of equal hulk, make your market fowls of that grade.
Second. "What is the best metbod of relaiming worn-out lands?"
There is no such thing in agrieultural jurisprudence as worn-out lands. One or two, or three perhaps, elements of fcrtility may have heeome so far exhausted that the soil will not produce even a mininum erop of anything. Learn to understand which of these is wanting and supply it. A soil wanting more potash may not require any other constituent of plant life and growth, any more tban a fash ionahly clad individual, with the exception of a pair of dilapidated boots, requires an entire suit to make him $a u$ fait. As a general rule, the cheapest and most direet road to maximum fertility in siek soils, is by limiug first; then plowing under second growth of elover, buckwheat, eorn \&c., thorough cultivation and cropping with peas, heans and potatoes-something that pays you while the soil is gro ving rieh.
Thơrd.-The hest, and cheapest fertilizers, next to stable manure, depends largely upon ocality and quality of soil. On all stiff, clay soils, in conjuuction with harn-yard manure the flour of bone, if purc and procurable at $\$ 65$ per ton, is best and eleapest. On light, loany and sandy land, lime and marl are the cheapest, probahly most effieient fertilizers. But with these, every individual thing about
the house, barn, stables, fields and farm, should the house, barn, stables, fields and farm, shoun ano, soap suds, dead cats, dogs, offal of all sorts, liquid stable manure, old boots, rags, wrceked hoop-skirts, decayed fruit and vegetables, stale brine, old hair, hristles, featherseverything, compost and make manure of it. It is a sure, cheap, and direct road to a hetter condition of fertility.
In turn, I inquire of "X," or any one else able and willing to answer :
First.- What are the causes of "blaekknot" on plum and cherry trees? Why, in the eherry, does it single out the Murrillos most?-and with plums, the Gages mostly?What is the probable or possible remedy?
Second.-Can fair-sized, marketahle onions be grown in one season from seed, south of New Jersey?
Third.-What variety of corn will afford the best average erop throughout the Middle States?
Fourth.-Ordinary livery stahle manure heing uincty per cent. water, and eosting $\$ 3$ for a two-horse load, how far cau a farmer afford to haul it?

Fifflh.-Mutton and lamb, averaging six eents per pound, and wool fifty cents net, is wool or mutton the most profitable staple? Vervet.

SSWER To "x" by another correspondent 1.-Thcre is no sueh fowl as the Bramah. The name Bramal was given them by Dr Benuett, of New Hamphsire, during the time of tbe "hen fever," as one of the trieks of the trade, ahout the year 185t. They had been hred years previous in Rhode Island and in Connecticut, under the true name of Chittagong. They are an entirely distinct fowl from the Cochin China, although hoth of Asiatic origin.
2.-I would raise the Blaek Spanish for eggs, and the Chittagong for poultry.

3d-Twenty fowls are as many as can be kept proitahly together
4.-Deep ploughing, peat, muck, and manure.
5.-Peat or the best Peruvian guano.
6.-Good peat, if free from organic substanee, is worth one-half as mueh as common barnyard manure, especially on sandy soils. Better to let it lay cxposed one or two years to the sun and frost, or it may be mixed with unslaeked or unleaehed ashes, to destroy the acidity.

Rhode Island.

## 湖iscellany,

## LABOR HONORABLE.

Labor is not only useful, hut neeessary and honorable. It makes the framcwork of sociey, and is the hasis of civilization. In what consists the chief differenee hetween the eivilized man and the savage? The former lahors in onc way or another ; the latter is idle. Our daily food, all the arts and refinements and luxurious indulgenees of life are the products of labor, from the first tilling of the soil and raising a primitive hut, up to the eonstruetion of stately mansious, palaees and churehes, with all their interior deeorations. Not less neeessary is labor in its infinite variety of diversious for persoual comfort and adorument, whether it he in manufaeture of the eoarse woolen for proteetion against cold, or of those rieh silks and broeades and laees, the wearers of which, in parlor or drawing room, in court reeeptions or in the ball room, too often forget the many dexterous hands that labored to gratify their desire for sueh rich display.
We know not how far the leaven of aristoeraey may be fermenting in the minds of thase Ameriean citizens who, by wealth and station, may uow he uppermost in soeeiety. They can hardly forget that most of them have been elevated by labor-if not of their own hands, at any rate by the lahor of othcrs, who have plowed, sowed and reaped, spun and wove, plied the hammer on the anvil, and kep furnaee and forge a-going to swcll their in ment.

## LIFE'S AUTUMN.

Lire the leaf, life has its fading. We speali and think of it with sadness, just as we think of the autumn season. But there should he no sadness at the fading of a life that has donc well its work. If we rejoiee at the advent of a new life; if we weleome the coming of ner pilgrim to the uneertainty of this world's way, why should there be so mueh gloou when all the uncertainties are past, aud life at its waning wears the glory of a complete task? Beautiful as childhood is in its freshness and innocence, its heauty is that of untricd life. It is the heauty of promise, of spring, of the bud. A holier and rarer beauty is the heauty which the waning life of faith and dnty wears.
It is the duty of a tbing completed; aud as nen come logethcr wheu some great work is achieved, and see in its coneluding nothing but gladness, so ought we to feel when the setting un flings baek its beams upon a life that has answered well its purposes. When the buddrops are hlighted, and there goes all hope of the harrest, one may well he sad; but when the ripened year siuks amid the garniture of autumu flowers and leaves, why should we regret or murmur? And so a life that is ready and waiting to bear the "well-done" of God, whose latest virtues are its noblest, should be given baek to God in uneomplaiuing revel enee, we rcjoicing that earth is capahle of so mueh gladness, and is pernitted such virtue.

Love of Water.-Some persons sluink from bathing, hut when they ouee get used to it, it is indispensable. A medieal writer says "Let a cbild wash himself all over ever norning for sisteen years, and he will as soon ro without his hreakfast as his batb.

The eurryeomb shonld not be neglected; its exereise on all kinds of neat stoek and horses is a great preventive of disease and vermin, and is productive of health.

IPaetic Cems.

## GOOD-NIGHT.

Goool-ntght a word so often sald,
The heedless mind forgets Its meaning
TIs only when some heart lles dead On which our own was leanling, We hear in maildenlng mnste roll,
That last " good-nlght" along the so

## Good-nlght In tones that nerer dle,

It peals along the pulckening
And tender gales of memory
Forever waft it near,
When sulled the volec--O crush of pain!
Good-night $!$ it mocks us from the grave
It overieaps thit strong world's bound From wbence there liows no ba
It calls from out the ground, On every slde, around, ahore,

## The light that llives ln that dear word, Why follows that good-nlight no O, rather say, dull hraln, once more

Good-nlgbl! now cometh gentle sleep And tears that fall like gentle raln,
Good-ngght o, holy, blest and deep, The rest that follows pain; How shonks we reach God's upper light

## Firesinte 縣endimgs

## RAISING FOREST TREES,

Seeds should always be gathered in dry weather, and those kinds whieh are enclosed in an outer covering, like a butternut, should be spread out in an airy situation till they are quite dry, hefore being paeked for transportation. It is also advisable to dry all tree sceds a little, but it must be varied aceordiug to the size and natural amount of moisture they contaiu Those that possess a large amount, either in their covering or iu the seed proper, are liable to heat if packed in elose, air-tight boxes. Basliets and bags, or boxes with small holes bored in them, should be used for the purpose, espe cially if the seeds are to remaiu in them for several days. Sheets of paper or layers of dry moss, may be placed hetween the layers of seed to absorb the moisture, when neeessary
the seeds before they are suffieiently dry These remarks only apply to the larger seeds and those that naturally contain considerable moisture at the time of gathering.
The smaller seeds as well as larger ones that are inclosed in a dry covering, such as the alder, spruce and pine amoug the smaller, aud heech and hiekory among the larger, may be transported in bags, barrels, or tight boxes; all that is necessary is to keep them dry while on transit.
Seeds that have a firm, horn-like covering, like the loeust, rirgilia, ete., generally retain their vitality the longest, while the seeds of the maple, elm, and similar trees that have a very porous eovering, are eomparatively short-lived. The size of the seed is no indieation of its vitality ; the largest may perish unueh sooner than the very smallest.
The blaek walnut, horse-ehestnut and hutteruut will seldom if ever grow after the first season, while the virgilia and loeust, whien are quite small, will germinate after having been kept for a dozen ycars. The vitality of all seeds may be retained for a mueh longer time than was evidently intended by nature, if they are plaeed under the proper conditions. A eool, dry, and equal temperature appears to be the best adapted for the preservation of all seeds. The humidity of the atmosphere their vitality, for while a warm, moist ane their vitality, for while a warm, moist one
just suited to growth, it hastens the death of the seeds. For when the germinating powers of the seed have onee been exeited into growth it canuot be eheeked without injuring, if not wholly destroying its vitality. A warm, dry atmosphere evaporates the moisture, eausin them to shrivel, and thus destroys them.

Some seeds, as the ehestnut, contain sueh a large amount of albuminous matter that it it quite diffieult to keep the temperature and humidity of the atmosphere just in the right state for their preservation. All steh seeds should be plaeed in the ground, or on it, soon after be plaeed in the ground, or on it, soon atte
they are ripe, and covered with leaves or som
siuilar material, following Nature's methocl, a they receive there the proper degree of warmth and moisture requisite to their preservation, hetter than in any other situation.
There ean be no specified time given for sow ing all kiads of tree seed, but for a general rule very soon after they ripen is the hest. It is certainly not always conveuient to do so, not is it always necessary, but with some kiuds a delay of a few weeks is almost certain to result in a eomplete failure. Some kinds of seeds retain their vitality for years, while othei's for only a few montlis at most.
The want of speeific knowledge upon this point has been the eause of many failures, and will prohably continue to be so until more general inforuation is disseminated.
The red and silver maple ripen their seeds iu Spring or early Summer, about the first to the middle of Juue in this vieinity, and they retaiu their vitality for only a few weeks. It sowed as soon as ripe, they will eome $u_{1}$, in a
fewt days, and make a growth of one to three feet by the time the sugar and Norway maple seeds are ripe in Autumn. These two varie ties of maples are among the few forest tre seeds that absolutely demand immediate plant ing, and theu they grow very readily.-Fuller' Forest Tive Culturist.

## ROTHSCHILD AND WATERLOO.

Rotnsonimb's greatest achievement in orerreaching distauee and his fellow speculators wats in 1815. He was near the Chateau de Hotigoumont on the 18th of June, watching, as eagerly as the leaders, Bonap arte and Wel-
lington themselves, the progress of the batte of Waterloo. All day long he iollowed the fighting with strained eyes, knowing that on its issue depended his welfare as well as Europe's. At sunset he sav that the vietory was with Wellingtou and the Allies. Then, without a moment's delay, he mounted a lorse hat lad been kept in readiness for him, and hurried homewards. Everymhere on his roadd
fresh horses or earriages were in waiting to help him over the ground.
Riding or driving all night he reaehed Ostend at daybreak, to find the sea so stormy that the boatmeu refused to trust themselves to it. At last lie prevailed upon a fisherman to make the venture for a reward of $£ 50$. In that way he managed to reach Dover. At Dover, and at the intermediate stages on the
road to London, olher horses were in waiting, aud he was in London hefore midnight. morning, the morning of the 20th of June, he ras one of the first to enter the stock exhange. In gloomy whisper he told thos who, as usual, crowded round him for nerrs, that Blueher and his Prussians had been rout-
ed hy Napoleon before Wellington had been able to reach the field; that by himself he could not possibly sueceed, and, therefore, the cause of Englaud and her allies was lost.
The funds fell, as they were meant to fall. Every one was anxions to sell, and Rothschild aud lis aceredited agents scoffed at all who lirought them serip for purehase. But seores of unknown agents were at work all that day and all the next. Before the stock exchange elosed in the afternoon of the second day, when Nathan Rothsehild's strong boves were full of paper, he announeed, an hour or so hefore the news eame through other ehannels, the real issue of the eontest. Very soon
the funds were higher than they had beeu durhe funds were higher than they had beeu suild
ng many previous weeks; and Rothsehild found that he had made something bike a million pounds by his quiek traveling and elever misrepresentation. Other millions were eolleeted, rather more slowly, hy other tran-
saetions of a like nature.-Nathan Meyer Roths saetions of a like nature.-Nat
child, by II. R. Fox Bourne.

Salt Lakes and ponds are said to exist in Dakota Territory in great numhers, and when worked, will prove a souree of mueh wealth. Salt ean be made at but small expense, and the land neeessary for the evaporating vats ean be had for a mere trifle.

Working Stock, it not euployed, should not he fed too mueh grain, but roots should be in a measure substituted, and if hard roorked, feed aeeordingly

A Promators Max.-The largest mand on
 and who died in Tennessee in 18:7. II was seven feet and six inches high, and in $18+5$
weighed eiglat hundred and seventy-onc pounds. At his death he weighed a little over one thousand pounds. Iu 1839 his coat was butoned around three men, each of them weighing over two hundred pounds, who alked together in it aeross the square at Lexington. In 1850 it required thirteen and a hal.
yards of eloth, oue yard wide, to make a coatt. yards of eloth, oue yard wide, to make a coath.
Until 1853 he was active aud lively, and able labor; but from that time was compelled o stay at home, or he hauled about in a two horse wagon. His eoffin was eight feet long, hirty-five inches deep, thirty-two inches acros he breast, eighteen aeross the head, and four-

Tue Art of Enamellisg is of great autiquity, aud its origin unknown. From the re mains found on the ornamental cavelopes of
mummies, it was evidently practiced by the Esyptians. From Egypt it passed into Greeee and afterwards into Rome. The basis of all kinds of enamel is a perfectly transparent and fusible glass, which is renclered cither trans tallie oxydes. The art of coloring glass seems to he nearly of the same antiquity as the art of making.it, whieh is proved by the rariously colored glass eorals witl whieh some muumies are decorated. Gorgeous specimens enamel upon gold were a speeial departmen of Byzantine workmanship. The Republie o Venice ordered for St. Marks' Churel the most costly piece that Constautinople could furnish, aud whield is still preserved. It consists of a
number of delieate gold plates, upon whieh the Saviour and the saints, with bibliea seenes, and the life of St. Mark are represeuted in enamel of the deepest eolors.

Old Dr. A - was a quack, a very ignorant one. On one oceasion he was ealled ly mistake to attend a eouneil of physieians in a eritieal ease. After eonsiderable discussion tient was convaleseent. When it eame Dr 1-'s turn to speak-" Convalescent," sai he; "why that's nothing serious; I har
(11 1 aak Table.

## 

 elists. He may not tialm that degree of orginally which h 18 ex-
 school of Richardson, Fielding and Smolletti hut for s.mplyctry
eiegance and truthful delineation of English country
life, bels






 Long assoclated with hla gallant regtiment, and camped with it on
rarious batle.fields in the late war. Hence, thls polume is
 who fought down the Rebelllin. Colonel Dherls has wrillen truthful histury of hls Reglment: free from cant and politices
and a conjunctive hlstory of the Army of the Potomac, nnd the Departinent of the South, whlle under the command of Gei
Gillimore. The rolume 18 well printed, emhelllshed with nume Ous engravinge, and should have a large eale.
 information to all chasese 18 found 1 ln this one
heen fammlur with the work for tue past $y$ yen sulted dst pages
and exhaustrve.
 wants of cerery artist, mechanic, thborer, and eren the profe
 BLiss, Springficu, Mass.
Thlen

logne of IIfferent
Uhate and obtin it

Marriages


Heaths.


The warlaets.


BRIGHTON MARKET, --FEB. 19
markel tor the current week:
 of more than $\$ 192,000,000-$ an inerease upon the returns of 1865 of nearly $\$ 10,000,000$. The total inerease of State property ralues in 186.5 was only $3,675,80.0$ turns at all, so that the statement has no value for the purposes of eomparison. In 1863 there was a deerease of $\$ 10,530,6 \pi \bar{i}$, resulting from the drought mainly and it is improhable that this loss had been recovered and $\$ 20,000,000$ arded in one year.

Farmers' ${ }^{\prime}$ 隹iscellany:

## FARMERS' LIBRARIES


We hare given your readers our riews
Farmers' Clubs, aud now we wish to add word respecting Farmers' Libraries. W know it has been quite fashionable, "u some quarters, to decry "book farmiug;" aud the ignorance and prejudice manifested in the ridicule heaped on agricultural papers and libraries, are so senseless as scarcely th chesere no
tiee. But we must take men as they are, and if some are ignorant aud narrow-minded, they are just the oues to be looked after
Christ came not to call the righteous hut sinuers to repentanee, so books and papers are specially adapted to enlighten the ignoraut.But it is a sad truth, that those who most ueed books, should most uudervalue them. If we could gain the ear of one of these declaiuers
against book farming, we world like to ask against book farming, we would like to as servation are worth more thau the combine wisdom which we find iu books, derived frou the experience of all meu, in all parts of this and other countries, iu this aud ali past ages? Such a claim is preposterons, and we are al ways tempted, when we meet these narrow miuded men, to say with Job, "No doubt are the meu, and wisdom will die with you.
What would we say of the physiciau who should rely solely ou the kuowledge derived from his own practice, aud discard the accumulated wisclow of all past time and all other practitiouers? Unfortruately we have some such dispensers of medicine, hut we do not We eall them quacks. But quacks are not confiued to the medical profession. We fiul
them in every occupation, and we fear as many in agriculture as elsewhere. We know that practice is esseutial in making a good agriculturist ; aud equally well do we know that study and practice must be comhined to attaiu any eminence in the first and noblest of calings.-
What progress would the world uake if the experience of oue geueration was not lianded down by books to the succeeding? But we need not pursue this traiu of thought further, We sat down to recommend an as
farmers in the purchase of books. Books are expensive, aud few can afford to pirchase such library as all ought to bave. Wherever Farmers' Club is established, there already ex
ists just the association necessary. A Library should be as mucb the aljunct of a Club, as books are of a school. Those appoiuted to take part in the discussions, should not rely merely upou their own experience in order to teach their fellows, but should stuly the subjects for discussion beforehand; and for this purpose, books are necessary:
We have had some experience in Farmers Clubs, and are satisfied that the great hiudranee to their usefulness, is the want of preparation on the part of those who lead iu the discussions. They rely too much on their own limited experience, and this is a shallow pond from whieh to draw. It is good so far as it goes, but it is too limited. Experience is the best of school masters so far as he is qualified to teach, but we might as well claim that an ass is a horse, as to pretend that a limited experience is the sole requisite for a teacher, or even for suecessful practice. Farmers should study the subjects for disenssion, as the clergy study theirs when they meet in associatlon, or as tbe lawyer studies his case, before he rises to say "May it please yonr Houor," If an unstudied case were presented at the bar, we fcar "His Honor" would not be well pleased nor the lawyer much honored; aud as every bar has its library, so every Farmers' Club should have its collection of books for referenee. Such a collection adds greatly to the interest of the meetings; is a boud of uuiou between the members, aud will perpetuate the vitality and usefulness of the organization. The small tax of one dollar annually on each member, with an occasional clonation of a few books from some wealthy and liberal friend, will soon furnish a library, the value of which cannot easily be cstimated in dollars, as mind
bears no ratio to gold. We speak whereof wo know, for the Club with which we have beet conneeted these eight or ten years, has now a library of nearly three hundred volumes. We
first coummenced with strictly agricultural first commenced with strictly agricultural
works; but having exhausted the catalogue of works; but having exhausted the catalogue of
Tilton \& Co. aud other agricultural pullishers, we are now introducing miseellaueous books, iu which the wives and children can take more iuterest. The plan works admirably, and we are satisfied that iu uo way can surely elevated. The books furuish thought, and the meetings of the Club give opportuuity for full and free veutilatiou of this thought.If crude uotious are alvauced in the bools, or u the discussions, they are very sure to be hashed up aud fitted for digestion before the are swallowed, en masse. We should like to see such a Club, and such a Library, established u every village throughout the land, and we are certaiu that the snivelling complaint, now so commou, that farmers are not appreciated, and do not hold the social aud political influ euce to which they are entitled, would no loug er be made.

## guessing in farming.

Ir is a little surprising that, notwithstanding the improvement in hearly everything apper taiuiug to faruiug, so little has been effected owards iuducing farmers to operate in a sys ematic manner aud kecp record aud accouut of their farm operations and busiuess, general ly and specifically. But for one farmer who
does so, uinety-nine keep all their accouuts "iu their head," and consequently are rightly termed "gucss farmers," for they never know, but guess it is so and so. They don't know whether this, that or the other crop pays best; whether they can afford to sell their produee at suel and such a price or not. They cant ell if it is for their interest to continue such course of husbandry, use such fertilizer, cultivate a field iu such a manner, nor even at the end of the year are they sure whether they are on the profit or loss side of the ledger. They guess it is about so.
Neighbor Smith eame in last evening while I was filling up my record, and said, as he noticed uy occupation

What you doin', book-keepin'
Yes, a little. Fixing up my accounts.
uppose you keep farm accouuts, don't you?"
Ie? no. It's to much bother, I can keeן "couuts iu my head."
Don't you think it is better to have some fing you can rely upon?-anybody is apt to forget."
"Its
'It's well enough for storekeepers and sich farmer's doiu' it,

Isn't it as much for our interest to look fter our business as it is for the storekeeper $o$ attend to his?
"Wall, yes, I'spose so, but wbat's the use of a feller's spendiug time to write down everythiuy about what he does?

## It pays Smith."

"I don't see how.
Well, see here. How was your corn crop his year?
"Pretty fair, though tbe frost burt it some."
Shail you plant some more next year
"Sartin. I allers plant corn.
What for?
"What for? Why, because I allers do. Yes, I see. Now, Smith,
hat field of corn pay you?
"Pay me: Well I guess about-
That isu't it ; do you know?
" Well, not exactly, bin I callate-
Nerer mind, but really, now, do you know
whether you made or lost money iu raising that field of corn?

Dumno as I do for sartin.
Now look here, Smith. There is my 'cornfield recurd." I have written down everything comnected with it, and to-day I have summed it all up and I know all about it. Here is the size of the field, the kiud of soil, wbat grew ou it last year, when and how many times it was plowed, harrowed aud furrowed, and also the amouat and kind of manure used, how it

Theu here is the time of planting; time an manner of cultivating, how far apart wher the rows and hills, uumber of stalks in th liill; when the corn came up and what variety $t$ was; when it was harvested, \&cc., \&c.. And here $I$ have got iu exact figures the cost and
price of crerythiug connected witb $i_{i}$; plant iug, hoeiug aud harvestiug; the value of the coru, beaus, pumpkins and fodder; value of manure, rent of land, and every item set down me to raise that piece of corn, und thus whetl er it pays me to contiuue raising it under sucl circumstances.
This is ouly au example. All otber farm operations should be recorded in somewhat the same mauuer, and then tbere would be an end of the contiuual "guessing" aud "thinkng" and ignorauce in regard to those things e should know about.-G. E. B., in Working

## HOW NATURE PROTECTS PLANTS IN WINTER.

Dumng the whole winter season plants ar provided by Nature with a sort of wiuter quarters, whieh secures them from the effects of eold. Those called herbaceous, which die down to the roots every autumn, are now safe ly concealed uuder ground, preparing thei shoot to burst forth wheu the earth is softeued in the spring. Slirubs and trees which are ex posed to the open air, have all tender parts closely wrapped up in buds, which by their firm ness resist the frost; the larger kinds of buds, aud tbose which are almost ready to expand are further guarcled by a covering of resin o gum, such the horse chestnut, the sycamo ud the balm of gilead.
The external coveriug, however, and the closeuess of their internal texture, are of them elves by no ueans adequate to resist the intens cold of a winter's niglt ; a bad, detacbed from its stem, inclosed in glass, and tbus protected from all access of external air, if suspended from a tree during a sharp frost, will be entire ly penetrated and its parts deranged by cold while the buds on the same tree will not hav sustained the slightest injury.
We must therefore attribute to the living priuciple of vegetables, as well as in animals, the power of resisting cold to a very considerable degree. In animals we know this power is generated from the decomposition of air by means of the lungs aud disengagement of heat. How vegetables acquire this property remain for future observation to discover. If one of
these buds be carefully opened, it is found to consist of young leaves rolled together, witbiu whieh are even all the blossoms in minatur that are afterwards to adorn the spring.

A Cement for Cellar Floors. - A curres pondent of the American Farmer writes that persons wishing to liue their cellars, and who do not wish to go to the expense of buying cemeut, can take coal ashes and mix with water to the thickness of mortar. This can be put on about four incbes thick, after whicl let it lay twenty-four hours, then stamp it with a heary block of wood three or four times a day, until it is perfectly hard. It is better tban eement, as it will not crack or scale off aud the lumps or cinders contained in tbe ashes do no harm.

Good terstes Poor Animals.-In traveling over the country, in how many fields do we notice teams of horses or yokes of oxen engaged in plowing or other work, which, on account of inferiority of size or condition, or of being slow walkers, are able to accomplish but a small part of what a strong, fast walking pair could do; aud ibus these farmers, instead of being able to take advantage of the season as tbey arrive, are delayed in their work, and serious losses are often the result. Tbe same result is true in reference to steers, sbeep, bogs, dc., for while it costs no more to keep a first class animal tban a poor one, the clifference in value, at the time of sale, often decides th question of profit or loss; and in regard to cows, it is the same; for while one cow will yield cnough milk to merely pay tbe cost or keeping, another that gives double the amoun

BRIEF HISTORY OF MOWERS AND REAPERS
Most people take it for grauted that reapers nd mowers are of quite modern invention. But such a couclusion is far from being correct Others have supposed that some Ameriean Yankee first conceived the idea of construct ing a machine for cutting grain with horses xen. But history informs us that reapers were in most successful operation before Chrisopher Columbus first cliscovered the Western Continent; and that the sickle and scythe, in some of the Oriental countries, had been superseded by reapers that were worked by ne or two oxen in the early part of the Christian era.
The first account of a machine to reap grain appeared to be that given by Pliny the Elder, wbo was born, it has been supposed, about the year of our Lord 23-more than 1,840 years ago. This historian says: "There are various methods of reapiug grain. In the extensive fields of the lowlands of Gaul, vans of a large size, with projecting teeth on the forward edge, are driveu ou two wheels through the stauding coru (oats and barley are called corn) by au ox yoked iu a reverse position-with the machine forward of the ox. In this manner the ears, (or what we call heads of barley or panicles of oats) are torn off and fall into the vau. In some places the stalks are severed in the middle hy sickles, and the ears or heads f grain are stripped off betweeu two hatcl les."
Palladitus, an Eastern ecclesiastical writer, gives the following account of reapers in A. D. 91. He says: "Iu the Gallic lowlands the employ a more expeditious method of reaping, requiring the assistance of a single ox during the whole of harvest time. A cart is constructed which moves on two wheels. A ow box of boards is constructed on the wbeels, and the boards in front are lower than the rest. Behind this cart two shafts, (or thills,) are fastened, like the poles of a seclan chair. To these au ox is yoked and harnessed, with his head turned toward the cart; and the ears or heads are gathered in the box, aud he driver regulates the elevation and depression of the teeth with a lever."

The next account of a reaper is given in proposals, submitted in Britain in 1785, for onstructing a reaper. This macbine was propelled forward by a borse or ox, clipping the heads of graiu, aud depositing them in a large ox, which was emptied when it was full into a toreroom. In the details of this machine, drive wheel, pulleys, pinions, tooth wheels and iron combs, or teeth, are spoken of.
In 1799 another reaper is spoken of as being propelled by a horse hitched behind it, which cut and laid the grain in a swath on one side f the reaper. A boy could manage the ma chine, and with one horse could cut a swath bout two feet wide, or rather more than coul e reapediu the same time by six men with In 1800
In 1806 Mr . Gladstone produced a reaper for utting grain, delivering the straw into garols o be bound. Drive wheels, pulleys, bands, cc., are alluded to in the details of this reaper

In 1807 Mr. Plucknett constructed a macbin n which the horse drezo the machine instead of pushing it forward, according to tbe usual custom of operating reapers. After this period many inventors entered the field with reapers f an improved construction, and in 1822, Mr Mann, under the auspices of the Highland So ciety of Scotland, brought forward a new reap $r$ whicb was worked with one horse, and hich could reap ten acres in teu bours.
In 1830 a mowing machime was produced and soon after that a combined reaper and mower is spoken of. About that time the celerated MeCormick reaper entered the field, asonishing Americans as well as farmers of tbe Old World. From that time up to the present day reapers and mowers of innumerable forms ave come iuto existence, many of wbich have ended•in a total failure, wbile many others have proved themselves to be a triumphan uccess, and are now resting on their own in rinsic merits as the ultimatum of perfectibility.

One of the novelties of the London season is kangaroo hams, imported from Australia

G. W. ${ }^{\text {w"wnw }}$ AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 23, 1867.


## the agricultural press.

Five-and-tweity years ago, one of the editors of the Farm and Fireside puhlisled an agrieultural journal in Comeeticut. It was a monthly publication, and, like its coteupo raries, visited its patrons but twelve times year. Yet, at that period, a fourth of a century ago, it did not meet the wants of agricul turists. Its advice was uot timely; its precepts were often out of season; its notes and
suggestions frequently lost, or unnotiecd, hecause our issucs wcre "few and far het ween. Judge Buell, a pioneer in agrieultural journal ism, was publishing "The Cultivator," at Alhany, New York, at the same time, and labored noder the same disadrantages with ourselves. Hon. Isaac IIill, of New Hampshire was then pullishing his "Monthly Visitor;',
John S. Skinner was also editing " The Jour John S. Skinner was also editing "The Jour-
nal of Agriculture," for Greeley \&\& MeElrath, of Tribune fame and notoriety. These three journals, with ours, were all monthly pnblieations; all struggled bard for existence; all contrihuted, more or
Americau agriculture
But it was manifest to us, at that time, that a farm journal slould be puhlished weekly, in stcad of monthly. We foresaw tbat an agri cultural paper was wanted every week; that the furmer needed adviee offtener than once a montll; that he required market reports more frequently; in brief, that be wanted a pape bebdomadal, rather than lunar-one tbat visited him oftener than the revolution of the moon. Tbose convictions, founded on ex pericnce five-and-twenty years ago, have heen strengthened by later judgment. Agriculture, like other arts in this conntry, has advanced with railroad rapidity. We bave improved implements of husbandry ; better facilitics of sending our produce to market; more valua-
ble grades of live stock; superior rural iutelligence and an awakened interest in everything pertaining to country life. Witb all tbese advances toward making tbe farming class more respected, intelligent, progressive and prosperous, comes the dennand for a live, eekly agricultural journal.
Without inteuding to write derogatory of, or detracting from, the moutbly press, we canno but express our views of their failings and weakness. We bave pleasant memories and reverential respect for the old, lumheriug stagecoacb; but we prefer the stcam car and the iron horse for jonrneys-hoth for speed and comfort. We ouce liked to swing a scythe, and to clase the boys aronnd a two or five acre field of grass; but next Snmmer we sball prefer a mowing machiue, with a pair of good so on througb all the mauifold toils and industries of agriculture. We must "keep up" with the improvements and advances of farming; and we cannot appreciate the mental and intellectnal progress of the age witbout an euterprising, well conducted, go-ahead, weckly agricultural press.

Tie Pear Bligut.-A writer in the Oneida Circnlar, who has charge of about a thousand pear trees, gives his observations on the cause of blight. The orchard is divided into three parts, on soils differing as to the dampness. On the lorest, dampest land, not underdrained, a large number of the trees were bligbted, and many were dead. On land somewhat higber, and pretty well underdrained, a very few trees were diseased, and none of them badly, while the trees on bigb, rolliug land, naturally drained, were perfectly healthy.

Alvis Whleins, of Stowe, Vt., has a pair of steers which when less tban twenty months old weighed 2,500 pounds

## FEBRUARY THAWS

Trere are a good many blessings in an honest, earnest February thaw, tbat few people ever think of. In tbe first place, tbere is a large per centum of tbe best active principles of fertility in snow. Dissolved hy the February thaw, the greater portion of the snow-mamare is deposited in the soil, if unfrozen ; on the surface, if frozen; ready to run iu at the first opportumity, giving largely of its fertility to winter grain, all low-growiug, shallow-rooted plants, and considerable to all fruit and fores trces.
Another, and twenty times more extensive good work of the February thaw, is that it quickens into the first elemcuts of active life couutless millions of eggs and embryos of inseet pests inimical to grain, fruit and plants having their lodgmeut near the surface of the soil, muder loose sealcs of bark and in diver cracks and chinks, where reached by the genial temperature, they put on prematurely the rudiments of lifc, and iu the sudden freeze-up that mevitably follows the Febrnary thaw, their career is cut short, and we are rid, in this way, of myriads of pestiferous pirates that no human ingennity or agency could effectually disturb.
But we can very uaterially aid the February haw in this last good service, and now, following the thaw, is the time to set about it. Prepare a bme wbite-wasb, and to give it a warm, r a natural tree-color, add lamp-black,r, hetter, Rosendale Cement, a pint of crude petrolemm and an ounce of caustic potash to every gallou of wash. Then, with wash, brush and scraper, go among the fruit trees. Give Dress down those with loose, rough, ragged coats witb the scraper, and apply the wash. In this way, we shall paint to death, and scrape out into the cold to perish, millions of half made hugs and worms that the Fcbruary thaw has spared, and the probability is that next season we shall have hetter fruit, freer from vorms.

## family firesides.

As we intend onr Farm and Fireside to visi many a family where a cheery, hlazing wood ive is the rule, burning ap brightly in the red, arm complexioned brick fireplaces, instead f glowing anthracite, covered up in black, dreary, cast iron coffins, we offer a bint or wo mpon the construction of couutry fire places, having in view comfort and economy.
Those who took in band the improvement Those who took in band the improvement
of fireplaces forty years ago, have played crab; making slow, backward progress, until in this yonng year of gracc, 1867, we bave al most all our fashiouable modern fireplaces as inferior to the old time broad Dutch, or Wcs eru $\log -$ cabin, flat-wall affairs, as can be.
Just make a stndy of our modern "improved" fireplaces. Call pliilosopby and common sense into service, and the thing bccomes an absurd monstrosity. A square niche, twelve ncbes deep, toy mantle three feet high, comressed "throat" three incbes or less wide, creating a draught like a blitst furnace, and a nite of a dainty bearth that two common
sized cats cannot stretch out on without crowd ng. A fire is hnilt in one of tbese patent brick boxes, and beginning to blaze up, one right angled jamb refracts the heat in a rigbt ine over to the other; that scuds it back and midway, the strong draught lays bold of and snatches it up the chimney, to warm the at mosphere out side, wbile all the beat a room can get from such a fire-place is the little that
can be coaxed out from the coals under the fore-stick.
A more philosophical, common sense fire place, is oue of more liberal proportions; taking in wood at least three fcet in length, with a height of four feet, ample throat, depth sballow at tbe base, deepening upwards, jambs so flaring that the heat is reflected into the room, instead of back and fortb inside the jamb line. Then, with a widc, honest hearth, and a bright, blazing fire, there will be a comfortable fireside; a well warmed room, and a saring in the consumption of fuel. To such cosey quarters the Farm and Fireside hopes to visit thonsands of families, in divers regions wberc wood fires still burn brigltly.

## PROTECT THE PEACH TREES.

Froms this day forward to that of the final departure of Aretic Jack, tbe peaeh tree re-
quires more careful lookiug after, protecting and defending against frost, tlian iu all the year besides. It is not so mueli the severc freering December and January that cuts off the fruit supply and kills trees, as it is the alternate ruary and Jarch. Nature has provided for the former exigencies, but neglected to
the trees agaiust the latter vicissitudes.

## Like humanity, leated by genial hut untime

 y sunshine, the peach tree is tempted to carly imprudence and begins to assume its Summer costume. Suddenly comes the changes-eold,bitiug winds, snow and :lmost Arctic froststhe poor tree rooted fast, cannot fly to friendly shelter, canunt resume i1s cast-aside overcoat, and so suffers severely for its iupulsive imprudence
Now as the buds of fruit trees do not begin
to expand until the roots are warmed, 'and the consequent flow of sap excited, their hest security against loss of prospective fruit, and probable loss of the tree itself by these February and March thaws and freczings, will be a muleizing of the spaa, covering the roots with sone suitable material in sufficient depth to prcveut the warmth of the sur's rays from penetrating to the roots and setting free a flow this parpose any coarse, barn-yard litter will answer, the deptb laid on being not less than foot. This shonid bave beeu attended to late last Fall, hut as there are many instances in which it was not done, aud as it is not yet too late to save the comiug crop and serve the trecs a yood turn, it is worth while to attend to the matter at once. Better expend the labor of hauling a few loads of litter or stahle ma nmre to each peacb tree-seeing it may he used elsewhere in the Spring-than run the risk of loosing botb fruit and trees hy too early circu-

## a remarkabie tree



se feet and the eyes and mouth are well pres er phila
The ahove article appears in the editorial columns of one of the ablest journals in this country. But we cannot permit it to pass withont expressing our demnr. There are several obvions errors or misstateunents in the paragrapb, whicb tbe accomplished editors
have too hastily endorsed. First, there is no tree whicb conld grow from the hody of an animal organism. In the lower class of vegetables known as fungi, or tbe mushroom tribe, there s a plant, or fungus, called by botanists Sphoria Robertsa,* which grows from the head catcrpillar eventually dies, and the fungus, far from being or becoming a tree, is but one of the simple forms of vegetable orgauizationforming merely a long stem, covered with spores for its reprodnction. Similar forms attack many other animal organisms; sucb as fisb, the housc-fly, the silk-worm, and, it is even recorded that the human species are not exempt from similar attacks.
Tbe spores of these minute organisus are floating about, and when tbey aligbt on an animal surface, from whicb the epidermis bas heen remored, they vegetate and distrihnte tbeir root processes through the tissue; otbers similarly attack vegetable forms; hut in no case (do we believe) can a sced of a higber tribe of plants-such as trees, or slirubs-vege ate in an animal tissue. Such a process would be retrograding-would be unnatural, unscientific, and against the laws of Divine organism.

Tue Maine Farmer's editorial correspondent cars it stated that T. S. Lang bas been offered as high as $\$ 40,000$ for the famous horse General Knox.

THE PARIS EXPOSITION.
We have received the following, and call the
attention of all interested to its requests:
Derapmest of Agricteture,
Sir: Your prompt and aetive co-operation
is respectiully solicited in furtherance of the


$\qquad$
$\qquad$
An cxhibition such as is proposed of the fi-
nest samples of the best varicties of wheat,
corn and other cereals, would command the admiration of Europe, as it would assuredly arouse the pride of all Americans, and I retret that this Department has not been author-
zed to make collections for this purpose until he present time. The Exposition opens on the first of April, and collections should be sent in a few days from the reception of this packing, forwarding to New York, and transportation to Paris. Yon will render the counry essential service by iumediate and judiious action in this matter.
It is desirable that small packages of the firest samples of the hest varieties of such prolucts of your neighhorbood sbould be forwarded, by mail, in phekages of two pounds r less, eacb distinctly marked with name, dowhich it was grown.
Such packagcs, addressed to the Commis-
Such packages, addressed to the Commis-
ioner of Arriculture, can be sent without postage from any post office in the United States. As it will be seen, the resolution makes no appropriation for this purpose; herefore parcels should not he sent hy express any case, unless at the expense of communities represented.

## Vory respectfulls,

Isamo Newtos, Commissiouer.
Vermont Falr.-At a meeting of the diectors of the Vermont State Agricultural Soiety, held at Burlington on Wednesday; the annnal fair was located at Brattleboro, to be
held September 10th, 11th, 12tb and 134h, 1867.

Profit of Hops.-Mr. II. II. Potter, of sauk county, Wisconsin, contributes an article to the Prairie Farmer, statiug that be raised on four acres of land, 84.600 worth of bops, estimating the lops at filly cents a pound. Tbis crop on a Timothy sod.

Horse-Radisi as a Marieet Crop.- Peter Ienderson, one of tbe great market gardeners idere. Jersey, states that horse-radis is grow. It is planted in the spring and dug in lie fall; sent to market in barrels, and sold hy weight. The sales are from $₹ \overline{5} 00$ to $\$ 800$ per SIGY-P.TINTTIXG bans not reached high perfection in this




 Whlch le cxeededngly preth. The rignete in the head of this Mndscape artist. $A 8$ shis 8 glgn
Ho to it, In our once window.


:Tr Lecliex ronert messrvger-or Robert Mesenger, Ince Febrasty 5, 1867.
y. s. Foss, Publiber.

AXER icAN INDTSTr. - The value in gold of the annual products of the people of the United States for the year 1866 was in round mmbers as follows: those eugaged in agrieulture $\$ 1,609,000,000 ;$ mannfactures, ineluding all processes betweeu the raw material anl consumption, $\$ 917,000,000$; mining, $\$ 100,000,000$,
fishing, $\$ 13,000,000 ;$ hunting, $\$ 2,000,000 ;$ wood cutting, etc., $\$ 25,000,000 ;$ donestic commerce, $\$ 1,500,000,000 ;$ foreigu commierce, $\$ 190,000,000 ;$ net annual earnings or gross increase of money valne derived from exchanging products with foreisn countries, encaging in improving the face of the country and subduing earnings or gross increase of money valne derived from exchanging products with foreign countries, engaging in improving the fact
it to the purp oses of society, $\$ 2,400,000,000$; total in gold value, $86,756,000,000$, the same redueed to currency, $\$ 9,458,000,000$.


The Farm ant Firesite.

The Farm and Fireside. published every saturday
\$2.00 PER ANNEM, bthictle Ant

## A limited <br> ADVERTISEMENTS. - A shed. Price, Fir <br> each Insertion. Spectal advertisements, at the botom of th Rnges, TwENTY-YIVR OENTS per Ine each

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> Foonsocket,

## SRND a STAMP.-Specimen numbers Imeside will be forwarded to any address,

## bree.cent stam1.

## 物arious 相atters

## THE LARGEST FARM IN THE WORLD

A Buenos Arres correspoudent gives the following account of his visit to the great de Urquiza
The only iudieation that we have reached its border is that on each hand, at the distance of three loundred yards from each other, making an avenne of similar width, there are planted trees designed to form an avenne the eutire distance to the estancia-house, eleven miles. As we travel onward the cattle iucrease in numbers, and ostriches, solitary or in groups, come up near us, or slowly eross our road. These birds are thos tame, beeause the General has ordered that not oue shall ever be
killed or molested. And so abundant are they that, as General Urquiza told me himself, he has been offered the sum of $\$ 16,000$ in silver for the privilege of taking them. But from humanity or from fancy he spares the birds.
Near the residence of the Gencral there is a permanent encampment of soldiers under his immediate command.
The residence has received the name of San Jose, after its choseu patron saint, St. Joseph. The huildings are one story liggh, of brick, and are built around two large syuares. The open space is pared with saudstone, and fonr sides are oceupied hy the apartments pertaining to the dwelling-house. The margin of the square, the ten feet nearest the house, is covered with a finely wrought uet-work of iron, supported by iron pillars, and overspread with the branches of fruitful trees.
At the onter range of the buildings there is stone, near at the chapel, next the office of the secretary, then the department of two aids-decamp, then the exteusive array of parlors and private rooms provided for the large family and innuunerable visitors.
On entering the garden, there was a beantiful array of exotic plants, from every quarter of the globe. Aviaries filled with gay birds of sweet voice adom the garden. I need not
mention the uames of rare plants, but frous mention the uames of rare plants, but frous
the exrreme North, from Australia, Cape Horn, from Africa, Asia, and from the gardeus of Europe, were gathered the floral treasures that adorn each other in this winterless climate, under the most exact artistic care. The gardens for vegetables and fruits were a study. Here are apples, peaches, pears, apricots, eectarines, grapes, pomegranates, quinces, figs, bananas, oranges, lemons, and most of these in measureless abundance. At the edge of
the orchard there is in process of construction an artificial lake abont seventy-five yards square, and from twenty to thirty feet deep. The walls are of most snbstantial double work, and stamped with clay between. The water is to be brought about one mile from a neighboring river, and it will be elevated by ma-
ehinery. On this lake there will be a little ehinery. On this lake there will be a little
steamer, where the sons destined for the navy will learn enginecring and make mimic royages. The estimated cost of the lake is $\$ 100$ 000 , in silver.
The chapel, intended for worship by the family, will scat about sixty persons, and the eostly appointments of vestments, precious stones, silver furniture, fine paintings, pianos, dc., altogether must hare cost at least beyon the sum of $\$ 50,000$ in silver.
The avenue, of eleren milcs leading up to the front of the house, is suggestive of amplidred square and there is the area of one hnn-
miles, that form tlic unbroken body of the farm Over this iumense tract of unsurpassed land countless thousands of eattle and horses and
sheep are grazing. Of cattle, the farm scnds to the slaughtering establishiment of the same owner fifty thousaud auimals annually. His horses would supply the cavalry of a large army, and from the wool of the sheep, ship are aunually loaded and sent direct to Enrope.
Other fracts of land in other parts of the province are owned by him to a very large ex tent; but I am speaking only of the San Jos estancia, the farm occupied as the owner's residence.
In all that prorince, thougl not now hollng a civil office, nor on military duty, General Urquiza is yet regarded as legitimate ruler civil and military ; and hardly assumiug any hiug, there is not a department nor a precinct of the proviuce that escapes his eye. On one week's notice he can eall together an equipped army of twenty thonsand men, ready for any cause that he should deem worthy of thei tec. The estancia of San Josc is alone it ovener's eye. It is larger than many of the principalities of Central Europe, and in politics there is not an equal surface on the globe
greater unauimity among its mhabitants.

Varxish for Shoes.-It is a lad plan to grease the upper leather of shoes for the purpose of keeping them soft ; it rots the leather and admits dampness more readily. It is bet er to makc a varnish thos :
Put half a pound of gum shellac, broken $1 p$ in small picces, in a quart bottle or jug, cover it with aleohol, eork it tight and puti on a shelf in a warm place; shake it well
sereral tives a day, then add a piece of gum sereral tioues a day, then add a piece of gum and in a few hours shake it again aud add one onnce of lamb black; if the alcohol is good, it will all be dissolved in three days; then shake and nse. If it gets too thick, add alcoholpour out two or three teaspoonsful in a saucer and apply it with a small paint hrosh. It the materials were all good, it will dry in about
five minntes, and will be removed only by vearing it off, giving a loss almost equal to patent leather.
The advantage of this preparation above thers is, it does not strike into the leather and make it hard, but remains on the surface and et excludes the water aluost perfectly.
This same preparation is admirable arucss, and does not soil when tonched, as lamb black preparations do.-[Ifell's Journal f ITealth.

A Wrinkle about tue Age of Horses. short time ago we met a gentlennan from lllinois, who gave us a piece of information in regard to ascertaining the age of a horse, after he or she has passed the ninth year, which was new to us, and will be, we are sure,
to most of onr rearlers. It is this: after the horse is nine years old, a wrinkle comes on the yelid at the npper corner of the lower lid, and every year thercafter he has onc well-deincl wrinkle for each year over nine. If, for iustance, a horse has three wrinkles, he i trelve; if fonr, he is thirteen. Add the num ber of wrinkles to nine, aud you will always get it. So says the gentleman; and he is confident it will never fail. As a good mauy people have horses over nine, it is easily tried. It rue, the horse dentist must give up his trade.

Drinking at Meals.-The salivate glands re an important agency in the ntilization of ood. Their office is to moisten and prepare it for the stomach. For this purpose they se crete three pints of saliva dnring every twenty asurp their place while they do not diseharge their functions. Hence drinking during the time of eating is to be avoided as far as possible.
The Teetil are, if used properly, fitted to last a hundred years and still be in good order How is it that they so commonly fail us before niddle age? The answer is fonnd in the large quantities of hot liquids taken into the

COMMERCE OF THE WORLD.
Finnce exports wines, brandies, silks, fance rtieles, jewelry, clocks, watches, paper, per Iraly and fancy gonds generally
Italy exports com, oil, flan, wines, essences
dye stuffs, drugs, fine mable, soap, paintings, ugravings, mosaics and salt.
Prussha exports linens, wootens, zine, article fron, copper, brass, indigo, wax, hams, musical instruments, tobacco, wines and orcelain.
Germany exports wool, woolen goods, liu hemp, wines, wax, tallow and cattle
Acstena exports minerals, raw and maunactured silk, thread, brass, grain, was, tar att-galls,
Exglasd exports eotton, woolen, glass,
hardware, earthernware, cotlery, iron, metal

## inens.

Ressia exports tallow, flax, hemp, flour, ou, copper, linseed, lard, hides, wax, duck ordage, bristles, furs, potash and tar. aried firuits, quicksilver, sulphur, salt, saffrou, oris, anchovies, silk, and wooleu groods.
Hinuoostan exports silks, shawls, carpet:
opium, saltpetre, pepper, gum, indigo, cinna on, cochineal, diamonds, peits and drue
Turkey exports coftec, opium, sillss, dried nd greeu fruits, drugs, grms, tobacco, wines, camel's hair, carpets, camlets, morocco and hawls.
Mexico exports gold and silver, cochineal ndigo, sirsaparilla, ranilla, jalap, fustic, cam peachy wood, pimento, drugs and dye stuffs. Brazil exports coffee, iudigo, sugar, rice, ides, dried meat, tallow, gold, diauonds and ther precious stones, gums, mahogany and adia rnbber.
West Indies export sugar, molasses, ruu, obacco, cigars, mahogauy, dye wood, coffee, as, ginger and other spices.
Switzerland exports cattle, cheese, butter allow, dried fruit, lime, silks, velvets, laces welry, watches, paper, gunpowder aud faue

East Indies export eloves, nutmers, mace epper, riee, indigo gold dust, camphor, ben zoin, sulphur, ivory, rattans, sandal wood, zinc and nuts.
United States export principally agriculural products, eotton, tobacco, flour, rice, proisious of all kinds, lumber, turpentine aud rearing apparel

To Econome Hotseneepers. - By using rge handful of powdered borax to every te allous of water, a saviug of about fifty per ent. of soap is cffected in washing. Bora loes not mjure fabrics, aud has long been nsed o clean the hair, also 0 s a dentrifice. ea cannot be made from hard water, a medipaper recommends the use of a teaspooufu forax to an ordinary sized kettle of such ater, in which it shonld boil. The saving in he quantity of tea used will be at least onefifth.

Logation of Country Divellings.-Obeer ation shows that people liwing in houses locadeast or northeast of ravines, where regeta ion is lnxuriant and miasma is engeudered re liable to agues and other miasmatic disease, while people living on the opposite side, at th same distance, are emtirely exempt. The rea-
son is that the prevailing winds, duriner the eason of decompositiou, are from the west and sonthwest.

Tuere is profound wisdom in the saying of Euglish farmer, that he fed his land before was hungry, rested it before it was weary and weeded it before it was foul. Seldom lia so much agricnltnral knowledge been cou densed in a single sentence.

Reapng the Harvest.-Indnstry is alway: rofitable. A Iaine newspaper relates that a oy in that State, who some years ago amnsed imself by planting apple seeds, last year net ted a profit of $\$ 700$ from his orchard.
A VALUABLE HINT FROM AN INSECT.
IT has bren said that the operations of the

tion of the Thames Tunnel. Mark Isambard
day, about half a century agn, in a ship-yard,
as the Teredo Ficcales-in English means the
suddenly occurred to him. Ile saw that this
very extraordinary mechanical apparaius.front with a pair of ralvular shecls; that with
valves which, acting upon the wood like:the particles of wond were loosened, theypassed through a fissure iu the foot, aud thence
where they were expelled. Here, said Bruncto himself, is the sort of thing I want. Can I
reproduce it in au artiticial form? He forth-
with set to work, alld the final result of his
Boring Shield, with which the Thames Tunncwas excarated. This story was told by Bru-truth. The keen obselver can draw useful
lessons from the liumblest of the works ofslight sketch of Henry the Fifth, exaggeratedfor the purposes of the stage, and the still
slighter Valentine iu the "Tro Gentleurn offerona." In his labored and perfect playou have no hero. Othello would have beenouc. if his simplicity had not been so great asround him; but he is the ouly example crenapproximating the heroic type. Humlet isindolent and drowsily speculative; Romco an
impatient boy. Whereas there is hardlyplay that has not a perfect woman in it, stead-Cast in grare hope and errorless purposeCordelia, Desdemoua, Isabella, IIerunione
lnogene, Queen Katherine, Perdita, Silva, Vi
ola, Rosalind, Helena, aud last, and perlaps
loveliest, Virgilla, are all faultess.
Anecdote of Whittiel.. - An anecdote of
John G. Whittier is told ly the Boston Tran-
raveliug with a friend over a New Hampshire
railroad, and during conversation, Mr. Whitti-
er's triend, who is also a member of the Society
of Friends, told the poot that he was ou his
way to contract for al lot of oak timber, which
he knew would he used in building gunboats at
Portsmouth, and asked him whether he thought
was exactly in consistence with the peace
loctrines of the Quaker denomination. With-
out saying auything calculated to decide the
question, the two triends arrived at their part-
mg place, when Mr. Whittier, shaking his
riend's hand, said: "Moses, if thee docs furnislı
ny of that oak timber thee spoke of, be sure

To Stop a Fit of Cotghing.- A cortespondent of the London Medical Gazette states that to close the nostrils with the thumb and fiuger inspiration, will reliere a fit of coughing in a short time. In addition to the ahove, we state, rom personal knowledge, that to press the fitirer on the upper lip, just below the nose, will make the severest premonitory symptoms of a mocze pass of harmless. We have fonnd the remedy useful many a time in creeping on

Beef Stock should have a litte increase of namis




## The Tratm and Wiresinde.

## Wriresinde 恨eatings

"THE UNDISCOVERED COUNTRY,"
The land that ends our
Where lie ulose hap

Where lie those happler
Ah, If hesond the spirit's
country could we surely
he lowerng angels
Or catell, beclines
Might we but hear
canlon whes, wht wakeful eyes und
With one rapt monent given to see and hat
Were we quite sure
Oofind the peerless frlend who left us loncly
To ghee in eyes that here ewere lovely only-
This weary mortal coil, were we quite sure,

## the great bovine city.

A bullock is au awkward pieee of mer chaudise to "handle;" he has a will of his own, with much power to resist the will other creatures; he canuot he cramped up iu-
to an elevator, nor shot iuto the hold of a resto an elevator, nor shot iuto the hold of a ves twelve hours, aud be eannot go long without at large hundle of hay. There is also a socicty for the Preveution of Cruelty to Animals, with an eloquent and resolute Henry Bergh to see that cattle have their rights. Chicago has learned to conform to these circumstanees,
and now challenges mankind to admire the and now challenges mankind to admire the thousand cattle per annum, and that million and a half of hogs, sheep, and calves, are reeived, lodged, entertamed, and despatched. Out on the flat prairie, four miles south of the eity, and tivo feet helow the level of the river--part of that cight miles which onr traveller found under water in 1833-may he seen the famous "Stock Yards," styled in one of the Chicago guide books "The great Borine City of the world." Two millions of dollars lave heen expended there in the construction of a eattle market. The company owning it have now nearly a square mile of land, 345 acres of which are already enclosed into cattle pens- 150 of these acres heiug floored with plank. There is at the present time pen room sheep, the sheep and hogs heing provided with sheds; and no Thursday has passed since the yards were opened when they were not full,Thursday being the fullest day. This hovine city of the world, like all other prairie cities, is laid out in streets and alleys, erossing at right angles. The projectors have paid New York the compliment of naming the principal street Broadway. It is a mile loug and seven-$y$-five feet wide, and is divided hy a light fence into three parts, so that herds of eattle
can pass one another withont mingling, and leave an molsstructed road for the drovers. Nine railroads have constructed hranches to the yards, and there is to he a canal comnecting it with one of the forks of the Chicago river.
Nothing is more simple and casy than the Working of the system of these stock yards. The sum of anguish anonally endured in the United States will he greatly lessened when
that system shall prevail all alonr the line from that system shall prevail all along the line from stops along a street of pens; the side of eaeh car is removed; a gently decliuing hridge wooes the living freight down into a clean, planked inelosure, where on one side is a long
trongh, which the turn of a faucet fills with water, and on the other side is a manger, which can he immediately filled with hay. While the tired and hnngry animals are enjoying this respite from the torture of their ride, Hough House his agent finds comfort in the promoters of the enterprise), a handsome hotel of yellow stone, bnilt solely for the accommodation of the "eattle men," and capable o entertaining two lnudred of them at once. elange, another spacious and elcrant edifice of yellow stone, wherein there is a great room for the cluaffering or preliuninary " gassing " (as
the drovers term it) of huyers and sellers; also
husiness ranging from one lmmdred thousand to five hundred thousand dollars; also a tcle
graph oflice, which reports, from time to time he price of heef, pork and muton in two liemispheres, and sends back to the cattle markets of mankind the condition of affairs in "gassing" being accomplislied, the cattle men leave this fine Exclange, and go forth to view the cattle which have heen the sulbject of theit conversation, and they move about in the midst of these prodigious herds, and inspect the occupants of any particular pen, with as nuch ease as a lady cxamines pictures in window. The purchase coupleled, the cattle are driven :aloug, through opening pens aud
hroad streets, to the yards adjoiniug the railroad, hy whieh they are to resume their journey. On the way to these yards, they are
weighed at the rate of thirty cattle a miuute, by merely pausing in the weighing pen as the pass. The men return to the Exchauge, where the money is paid, all the cattle husiness heing loue for eash; after which they conclnde the affair hy diniug together at the hoted, or at an excellent restaurant in the Exchauge itself.
Iu this elegant Exchange room two classe Le from the prairic States-Texas, Missouri Kansas, Illinois, Iowa, Wisconsin, Minnesota -and those who distrihute the cattle among the Eastern eities. One of the potent civilizers
is doing business on the grand scale. By is doing business on the grand scale. By
means of this Cattle Exchauge a repulsive and harhariziug husiness is lifted out of the mire, and reudered cleau, easy, respectahle, and pleasant. The actual handling and supervision selves raised in the social scale hy heing parts of a great system; while the controlling miad are left free to work at the arithmetic hook-
keeping of the business. We rememher with keeping of the business. We rememher with eessities of whose husiness suggested this en terprise, and who now control it. The economy of the system is something consideration. The design of the direetors is o leep the rent of the pens at such rates as to exactly pay the cost of eleaning and preserv-
ing then, aud to get the requisite profit only from the sale of hay and corn. One hundred tons of hay are frequently consumed in the yards iu one day. If those yards were in New England, the sale of manure would he an important branch of the husiness; hut in thos tertile prairies they are glad to sell it at ten cents a wagon load, which is less than the
cost of shovelling it up. $-[$ Parton, in the $A t$ lantic Monthly for Marcl.

## PASTURING CHILDREN

One of the ordinary events of spring in the country is the sending off to pasturage for the season, droves of yonng cattle; lept in stalls
or cooped up in cozy yards, fed upon husks and hay through the long winter and spring, they are released at last; and ou some sweet herds to the me unten pastures, where feed ing upon the tender grasses aud drinking the hiil-side water, and roaning and reveling at will, they remain until the autumn frosts drive them home for food and shelter. They go out thin, shaggy and dirty; they return sleek and plump, and ready either for the knife of the hntcher or for domestic service. It is in the get mnscle and health hy roaming and feeding and sleeping in the open air
Now, in one respect, children need to he r garded and treated as young animals. Their particnlar husiness is to grow, aud to grow healthily and somadly. Among the many on igations which a parent owes the child he has alled into existenee, not the smallest is that o giving him, to the extent of his ahility to do
so, a souud and well-dereloped hody. Withso, a souud and well-dereloped hody. Withintellectual gifts, or fine accomplishments or excellent edncatiou. Withont this, he can he ittle comate litself With it, he can he hoth usefnl and happy. If, therefore, country air and country exercise and food are essential to the sound development of the ehild, he
or those possessions whiel parents are so ap
to overrate, and so covetous to sceure for thei
offispring. Let the cliildren he taken to pusturi then, as regularly as the calves and colts, while we tell with so
ess will do for then
Of the henefits of fresh country air to the onng organisn, little needs to le said. They
are very ohrious. Pure air is the special pah ulum of vitality. It gives life to the blood and is sent warm and red into every fihre o he body. Impure air poisons life at the foun ain. The frighltful aggregate of inlant mor-
ality in the grent cities slows how bameful mpure air is to delicate young life. Adult lif s less sensitive. It can resist, and does resist
wonderfully, the poisons which it inlales at very breath; hut elildren sicken and die ts side by hundreds and thousands ceery year ven bred in the eity, may live to a good age, and enjoy comfortahle health in town, while hey are ealled upon to mourn the mysterion death of every child born to them, or to watch hahes that carry into their adult life the feehles powers of mind and hody. There is no ques fon that men and women can live in air tha children must die in ; or rather, that they die ery slowly in an atmosphere in which ehil ren die sery quickly
The next henefit that comes to children pasture, is free and unirersal exercise. Dr Dio Lewis has eontrived, with great ingenuity series of exercises which will bring into ac ion and development every voluntary muscl er counsellor than Dr. Lewis. What he eaches us to do hy study and pains taking and ahor, from an intelligent motive, she impels us to do in the simple search for amusement, cery playful manifestation of life. The oy left to play in the fields aud woods will, a siugle day, run more miles and exereise healthfully more muscles than could he match d by the "light gymuastics" of a week ag, riding, swimming, rowing, tossing, bat ing, jumping, wrestliug, see-sawing, rolling, umbling, day after day; there is not a muscle in his little body that he does not hring into play, without a motive that nrges from behind and solely for the gratification of his greed for mosement. Nowhere can he get this free and full exercise except in the conntry. It is impossihle in a city. A ehild that under takes kicked hy a passenger, or run orer hy a horse and haek-yards are largely devoted to ruhbist and cloth

The Lord's Prayer.-Did you ever think short though it is, how mueh there is in it? On, it is heautiful! Like a diamond in the crown of a qua
It teaches all of ns, every one of ns, to look God as onr pareut-"Onr Father.
It prompts ns to raise our thoughts and our lesires ahove the carth-"Who art in heaven. It tells us that we must reverence our hear nly Father-"Hallowed he thy name.
It hreathes the saint's reward-"Thy king om come.
And a suhmissive, ohedient spirit-"Tby ill he done on earth as it is in leave
And a dependent, trnsting spirit-"Gire n his day our daily hread.
Anda forgiving splrit-"Forgive us our tres passes as we forgive those who trespass agains

And a cautions spirit-"Deliver us from eril.
And, last of all, an adoring spirit-"For hine is the kingdon, and the power, and the glory, forever and ever. Amen.

Stre," said Patrick, rnhhing his head with delight at the prospect of a present from hi employer, "I always mane to do my duty." "I helieve you," replied his employer, "and therefore I shall make yon a present of all you hare stolen from me during the year." "I thank your honor," replied Pat ; "and may all yonr friends and acquaintanees trate you as

Harticulture

## pie plant

Tue pic plant, or rluubarlb, probably had its righln in Turkey, where it was first cultivated for the medicinal properties of its roots. As at late. It is within the present ecntury that it las heen introlued either in Emgland or ivation in the ricinity of our cities, and the use of it is raphidy increasing. Coming carly
in the spring, it fills the grap most palates the acid is agreeable, and of its

reunial, its cultivation is simple, and it can be ainly than apples. It is proparated cither hatter is preferable, as we have it ready for use nuch somer and know what kind we shall get. When raised from seed, the plints will

yary in size aud quality. The soil for pie plant is a strong, deep, ricli loam. As much car should he taken in setting the roots as in seting asparagus. No after top-dressing will fully roodness depends mainly npon its rapid growth, it must have something to live upon, some accumulated capital on which to draw有 pected to furnisl much milk, and so the plant that exerts all its energies to live, caunot furnish large succulent stalks. For settiug the pic ant a trench should he dum at least iwo feet ep and filled, first with bones, hair, leathe shavings or something of the slowly decaying rood earth. This requires some labor, bnt the lahor is amply remuncrated hy carly and fic quent croppings for many years. The diswith the raricty, the larger kind requiring fous ad the smaller three feet. Il propagated fron oots the sulvs me pulled for use the ond year, care being exercised to leave enough for the plants to breathe. Many make the misthem. In the latter mode there is much less waste of the juices, and the wound soonel heals. The stalks will he found much more when they have attained their full size. By cropping early and selecting the lirgest stalks growth. Iu the latter part of May the seed stalk will show itself, and it must be immedi ately plucked, that the energies of the plant seed shonld be allowed to ripen unless required for propagation. Before the frosts of winte four inches deep, with horse manure, whic may he forked as soon as possible in the suring With snch cultiration a dozen roots will fur nish an ordinary family with material for pies the rear round. lor the stalks may be cut into small pieees and dried like apples, or hetter still, cooked and put into jugs tighty corked, Wune. The pic plant is not only goorl for pies and tarts, but is an excellent suhstitute for a ples as a sauce.
The rarietics are unlimited, and will doubtless increase as time advances. They vary in size of leaf and stalk, in form of leaf, in acidi ty and flaror. Downing's is very large, subcid and of a rich flavor: The rictoria is als large, hut acid and not high flarored. Its siz. and productiveness recommend it to the mar-
ket gardener. For family use the early Prince Imperial reecived the first prize of the Massachnsetts Horticultnral Socieys in 1862. It is of medium size, pleasant 1laror and very tender. The Cahoon is recommended as
plant, haring large an!l juicy stalks.

The Greelei Grale Prize of $\$ 100$ has en alrarded to the "Concord," hy the Fruit Committee of the American Institute, New York. It was first awarded to the

Almost every one thinks it an easy matter to plant a tree, and yet facts prove that the majority of such thinkers are greatly mistaken. There is a right and it wrong way. Briefly, the right way is to prepare a sufficiently wide hasin, cr hole, to receive the roots easily. Kecp the surfuce, middle and lower layers of soil seperate ; set the tree to a depth eqnal to that it natnrally occnpied, allows carefnlly. orer these spread the best part of the soil them from thasin, or, what is hetter, some rich compost or decayed leaves, \&e. On this retnrn the npper layer of soil, and complete the filling np with the original soil.


should not be added to the manure heap of the stable, as they will do harm by settugg free the ammonia. Aext iu ralue are the eomposts.
No prudent farmer will underestimate them. In some out-ol-sight corner should be aeeunutlated all the rubbish that ean have the least ralue as maure. Here ean be thrown the sweepngs of the yard, dceayed vegetable matter of all kinds, old plaster, soot, elareoal dust, soap sads, kitehen and clamber slops, ete. The heap should be dug over oceasionally, adding ashes and lime. The ashes of burned vegetables are worth hoarding up. They eontain all that the plant neeessarily derived from the soil, the burning process merely having expelled the gases whieh were immediately or remotely derived from the air. It is folly for the eountry to spend millions of dollars annually for manures from the Chinea Islauds, when on every farin exists or can be produeed, without eost, better and more reliable fertilizers. Let our agrieultural friends remember these desultory emarks. By putting them into praetiee they will be abundantly remunerated.

## practical econonit

T11s is somethiug that a great many stirring, driving, enterprising farmers need to learn and practiee in the management of farm affairs. Rural fortunes do not come alone of energeti industry, plowing, planting, digging, delving and slaviug. Aft these united, ungoverned by systematie eeonomy, will only run a farmer to ruin in his affairs, and himself, ahead of Father Time, into eternity. Makiug eeonomy in all things our leading guide, one half the drudgery of rural life may be laid aside, and the road to prosperity be made easier by half, and fourold inore certain.
In no other avocation is it possible by negleet, alone, to have so many waste ways, all at once draining the main channel to wealth; so shallowing it as to render navigation difficult, and he rural mariner liable to run on the shoals and make himself and ship a total wreek There is as much merit, and five times more eoouomy in saring property once acquired, than there is in the perseverance and industry exereised in its acquisition. Negleet in producing that which is property, may possibly be pardoned; but willful negleet, permitting property once produced to be needlessly wast ed, is absolute wrong.
It is a late kinduess to advise a lookout for thieves after the property has been stolen; or caution against firc after the home is in ashes. So it is late, perhaps early, or between both, to So it is late, perhaps early, or bet ween both, to
remind farners in the last month of winter that taking care of last year's produce, housing all agricultural implements, and providing comfortable winter quarters for stock, is good rural economy, and well worth attendiug to. But the cause of our present complaint is of recent date; and, waiting for the season to recent date ; and, waiting for the season to come round again, the opportunity may be
lost. By advising rural ecouomy now, some seeds, falling on good ground, may take root and bear fruit.
A week since, along the length of a ten miles' railroad ride, we count ed seven fields in which the cora fodder of last year's growth was still standing, out-door sentry in shooks only about one-third of the whole corn-stalk brigade was not standing, baving been blown over by winds, or beaten down by snow, lying flat, bleached, wet, water-soaked and worthless for all feeding purposes. With hay at $\$ 35$ to sto per ton, and good eorn fodder worth half that price, such waste is unpardonable wickedness.
In the same distauce we saw eight hingeless, dilapidated farm gates; four barns and stables open in many places to wind and water; broken down fences, hogs rooting up wheat; plows, harrows, horse-rakes, and divers other farming implements, rotting and rusting into early worthlessness.
Such exhibitions are examples of bad agrieultural ceonomy; and we ask every farmer living along that liue of railroad, and all others, everywhere, to look at their wasted produets, their broken down feuces, their dilupidated outbuildiugs, their neglected implements, aud "turn orer a new leaf." Economy
Iall must practice in order to prosper.

## vegetable physiology.

Is it not strange that those who are daily of cupied in the eultivation of plants on the farnh sould feel so little interest in their nature and strueture? No intelligent farmer, at the pres ent day, with all the faeilities whieh libraries and assoeiatious have brouglt within lis reael, should remain eontent to regard the plunt a so uuel irert matter; but should think of it a wonderful orgauisur formed and perfecter tion of a grain of "Timothy," before being cominitted to the soil, aud the clianges that oc enr afterwards, are suflieient to a waken hi reasoninit powers. Why does the dry seed so g man uaug, ama wacn place win he reach of moisture, heat and light, s. minute strueture to produce suel phenomena as those of geruination and growth? The physiologist has with much eare und labor in-
vestigated its eounposition and structure. That small seed, so like chaff, las been formed by the parent plant, by a very wonderful pro cess; and within its apparently dry eoat, ar he mother-eells, upon whieh are impressed a certaiu form, and to Which are committed the full grown plant is built up-subject, howrever, to the various ayencies of the soil and atmos-
phere. In the nature of that cell formation, there lies a wide field for study, and an almos exhaustless subject for human research. How he original cell is formed, remains a mystery Where the formative power lies that builds up certain form, from a uinute embryo, is also a mystery-the mystery of creation. The na-
ture of the plant cell has been too little studied its chemistry is a problem sufficient to tax the brightest of humau intellects; yet upou the chemieal processes which take place in the cells of plants, depends the entire philosophy of plant nutrition. We graft a seion of the pear on the stock of the quince, a plant close $y$ allied to the pear in its nature and structure et experienee proves that there is a dissimitar ity-the twe growths unite, that is, the cellular strueture, or cells of the quince wood, grow ogether with those of the pear seion, brough nto close contact with each other. The ordihary functions of growth or extension appear o continue after a time; but we find the pear "overgrows" the quince, as the nurseryman
terms it. The union is not perfect, not complete; leaves and buds, and even fruits are deeloped, but not with natural rigor; in some nstances a little forec breaks off the coutact, as with the Bartlett, after several years of apparent union, and the apparent uniou being ex osed, was no union. This is owing to a dis similarity in the chemical proeesses by which
the cells are built up and uourished; each speche cells are built up and uourished; each spe beir own peculiar structure and wants. The process by which the cell is supplied with the materials which it assimilates, and from whieh he plant is built up and sustained, namely EnCosmose and Exosmose, should be well under stood by every gardener and farmer.

Fruir Prospects.-A correspondeut in Ner Jersey, writes that he has made a wide circuit among the peaeb orehards, and finds the pros pect good in most of them, though some are
much iujured. He finds strawberries, raspmuch iujured. He finds strawberries, raspand promising well for the season. Apples and pears are also grood.

Quick Tise.-The mare "Lady Chapman," rotted on the ice at Camden, Maine, on the 1 th of February, on a measured full mile conds in 2 , mating

Plaxts of Chinese tea grown in North Carolina, are now five feet in height and in full
bloon. Five pounds of "Bohea" made in 186\% from the leares, were considered equal to he best iuported.

Tile Differexoe.-In 1840 the value of al the dairy produets of New-Tork was estimated at a little over $\$ 10.000 .000$, In 1863 the butier product alone, im that State, was over $\leqslant 60$,

The Inlistoey of the Potato. - In a paper
eecnuly read lyy a Mr. Crawfurd in London, on The Relatiou of Plants to Ethology," a very short but complete aecount was given of
the introduetion of the potato into Europe. The potato is still found on the western slopes arger than the common filbert. Even the Indians, said Mr. Crawford, cultivated the ponato before the arrival of the Europeaus. It was first brought from America 1s Ireland, where was eultivated in 1656; Jut it is snid to have cen introtueed into Spain and Portugal even et, that Col. Mure of Caldwell, in the west of Scolland, within the present ecutury, had cing sunk on his estate, forty feet bencath hle surfaee, whieh he earefully treated so as to revent its being impreguated by any iloating lays several exotie plauts from this picee of botany eame, aud also one which turned out to ato. The produee of that plant (which in Cour years after its discovery bore large white vest of Seotland. The story is a stranse one but it is true, aud has been solemnly atested English Parliment from Renfrewshire, Scot land.

Wilat is Progressive Agricclutcre? -The few words, but very comprehensively, as fol-

Under its influence spring tusty and conyeuient dwellings, adorned with shrubs and hlowhappy wives, tidy children in the lap of houghtliul age-broad hearts and acts, as well ture builds barns and puts gutters on them, builds stables for cattle and raises roots to feed hem. It grafts wild apple-trees by the meadow with pippins or greenings; it sets out new rchards and takes care of the old ones. It ows low lands, cuts down bushes, buys fences and praetices soiling. It makes hens hy, clickens live, aud prevents swine from ooting up meadows. Progressive agriculture eeps on hand plenty of dry fuel, and brings in the oven-wood for the women. It ploughs eeply, sows plentifully, harrows crenly, and prays for the blessings of heaven.

Autosatio Plow.-In a late number of the . Tow whieh was was a uotiee of an automatic he city. A tro-whecled iron tuact is seeld near to the plow-beam, one wheel running iu the furrow, and the other ou the surfice above it. To make it run level, the furrow wheel has everal inches of dianteter more than the other, which throws the plow, as it were, ou an the furrow-sliee as iu the ordinary plow, whel the depth is adjusted by meaus of a serew This plow, it is said, requires uo guidance, ence is destitute of the handles eommon to the thers, and so perfeetly does it work that small boy is competeut to the management of it. The trial was made in soil of a clay and gravelly texture, and thongh stones of considerable size were oecasionally eneountered, he plow was not thrown out, but cut a furron plows with handes, and under the guidauce of ploughuen of mature years. This implement said to be mueh used in Germany, where i is regarded with marked favor.

TO OUR PROVIDENCE SUBSCRIBERS


Bed Your Stables.-A horse will get tired of standing and treading on a hard floor; so will a cow, a sheep, a man. A soft bed feels easy-gives rest. And yet we neglect the bedding of our stables to a great extent. Injured limbs and other ailments, especially of the hoof, are the result often of a neglect here, as las been
clearly enough shown, and as any man can clearly enough see, if he gi ves the subject a noment's thought. Bed wilh straw, which is plenty, or sawdust, or tan bark, clearly enough shown, and as any manc can clearly enough see, if he gives the subject a noment's thought. Bed with straw, Which is plenty, or sawdust, or tan bark,
or slarings. The dryer these materials are the beter. Erery day remove the moistencd bedding and replace with new. Such a floor, rrell beddel, add greatly to the
Trarmth of a stable, and thus beeomes a fodder saver. The small holes and crevices in a floor with good bedding upon them, will lert little or no cold in, and drain the stable.


For the first time since its completion, Harry Waldron and his yonng bride went over
tbeir new house together, one lovely morning tbeir new house together, one lovely morning honse it was, with the pretilest, neatest, best arranged kitchen a yonng housekeeper like Amy conld desire; with the coziest diningroom, the brightest and most tastetul parlor the airiest and pleasantest of sleeping apart ments.

And when they had been all over the honse together they came back once more to the sit-ting-room, with its pretty carpet of green and oak, its delicate satin-papered walls, its simple cottage furniture, and her smiling cyesturned to the windows themselves, which were open, witb their suowy curtains drawn back, and letting in the soft June snnlight, and the love-
ly June air, fragrant with the odor of flowers in the window. Harry's hand-the carefnl hand of a young and loviag husband-had had the arrangement of everything in and about his pretty little household, and witb a bappy heart he watched his wife's pleased eyes, glancing so briglt, so satisfied, from one thing to anotber about her. smile.
' Oh, yes, Harry, and these beantiful flowers! I
time."

Yes, Amy, and they will make tbe room not only pleasant to us, bnt to many a poor passer-by, who sees such things rarely. I thought of it while I was placing them there, I thought, perbaps, that it wonld be so pleasant for you, as you sit in this room, to see little
children going by and looking np to the children going by and looking np to the
flowers in your window; and yon would cnt off for them some of the blossoms they may covet. So that perhaps our flowers may make some other hearts as happy as ours."
Treasnring in her loving heart the words of her kind and thoughtfnl husband, Amy turned with him at last from the window. She remembered them tbe next, day, when Harry was gone awray to business, and she came into the sitting-room to water her plants. Standing behind their blosoming screen, she sbowered the bright drops upon them till their leaves hnng wet and glistening; and while sbe watched the colored rays of light glancing throngh the dripping water, a party of merry school children came running gaily by.
"What pretty flowers!" said onc of them, of her favorite little sister Saral, whom she of her favorite little sister Saral, whom she


And the children half-stopped, looking partly at the flowers, and partly at Amy's pretty face bchind their thick-clustering leaves.Smilingly Amy slipped off a knot of gay blossoms and scattered them suddenly among the childish gronp. There was an eager scrambling, a merry langh, in which Amy's was not the least merry or sweet-a chorus of thanks, fand the children, with their fragrant treasures divided among them, ran on to school. Later a little pale, ragged boy came by, selling lncifermatches.

Do you want any matches, please, ma' ma?" he asked, looking at Amy throngh the window where she sat sewing
Amy's pnrse came ont-a
Amy's pnrse came ont-a tiny piece of silver was drawn from it, and she placed it on the ket half a dozen boxes of his wares, and passed thew up to her. As he took the silver and pnt it in his pocket, a little knot of mignonette and heliotrope fell into his basket.
"For mc, ma'am?" he said, looking np wonderingly.
"Yes," was Amy's pleasant answer; and the surprised look, the smile, and the grateful "thank you, ma'am," did her very heart good. And after this, many a little cinster of blossoms was bestowed by Amy's kindly fingers; now on a lame child who came limping by on crutches, now on a poor woman, going along with her baby that crowed and clapped its little pale hands at the sight of the blooming treasures; and again, when a wan-looking milliner's girl, half-pansing at the window, looked with longing eyes at the flowers npon the sill-flowers that she never hoped to raise in the dreary attic where she lodged; that she never beheld, in the half twilight of the sunless, silcnt work-room, where day after day
she was drudging her life away for a mean she was drudging her life away for a mean bread.
The poor little milliner carried her precions flowers with her as she went to her day's labor, and dreamed over them all day long of grecn country lanes, and broad blue skies, and free sunshine that she might only see in
dreams; and the baby played with its nosegay with the delight with which a petted child of fortune would have welcomed its gilded and costly toys; the little lame child forgot that he was lame; while sitting down on a doorstone he leaned his hcad upou his hand, and with curious eyes studied the mysteries of every silken leaf and bnd, thinking how wonderful hey were, and remembering something he had heard of a kind Hand that made flowers alike for the poor and the rich.
And thus, while Amy scattered flowers, she was also sowing seed. Among her childish "pensioners," as Amy half playfully, half affectionately called them, was one who passed her window nearly every day; a pretty, delicate, almost frail looking child of some eleven or twelve years of age-a child for whose daily approach Amy gradually found herself watching with interest. She was poorly dress-
ed, yet clean and tidy-looking; the faded hues and worn texture of her garments being only equaled by tbeir fresh and spotless look. Every day she came by the window; and every day she reccived from Amy's gentle fingers a knot of fragrant blossoms.
Amy only smiled as she gave them; and this suile, with the little girl's grateful look, and low-spoken earnest tbanks, were all that passed between them on these occasions There was not a day in which this child failed
to pass the windows, not one day; let the sun to pass the windows, not one day; let the sun
shine or the rain fall, she came regularly, and never failed to reccive her accnstomed gift o flowers.

Amy often mentioned this child in her cvening conversation with Harry ; so that he came at last to make a point of asking each evening if she had been during the day to re ceive her flowers.
"Do yon not know her name, Amy?" he asked thonghtfnlly once.
No, Amy did not.
"It is odd-bnt $I$ never thonght of aski
her," sbe said. "I suppose it is because there
are so many others who come in the same way, and I should never think of asking so many their names, you know. But I mean to ask her to-morrow, Harry. Perbaps we may be of ase to her, or to the family if they need help."
Auother morning saw the pale little ginl coming along earlier thau usnal-paler than ever before, and her large blue eyes heavy and dim with tears. Harry had not gone to business; Amy was sewing a buttou on his wrist-band as he sat by her at the work-table and neither of them knew the child was so near, till there was a gentle kuock at the streetdoor, and Amy answering its summons, be held the little girl standing tbere.
"Why, poor child! what is the matter?" she said kimdly, taking one of the tiny hauds in her own and leading her gently into the doorway - " what is the matter?"
The child's face flushed paiufnlly, and Amy's tender words bronght a bnrst of sorrowin tears.
"Oh, ma'am he's dead! " said the child.
"My. dear little girl," said Amy, "who is
dead?"
Oh, ma'am, my brother," replied the child -"my dear brother Charley! Him that the flowers were always for! Oh, he loved them
so mucb-and he won't need them any morc now!
The tears were streaming over the child's face like rain ; and Amy's own eyes were overflowing as she lifted them to her hnsband, who had come out to the door.
"Ob, Harry-Harry!" she said tremnlously. "Harry, hear her!
" My dear," he said, gently, "bring her in ;" and each holding a hand of the child, they led her into the sitting-room.
There, with the rapid tears rendering her rords broken and painful, she told the simple story that needed so little time to tell. It was her brother Charley, who had been ill for so long, and had died that morniug; and she had come to let the lady who had been so kind to him know abont it.
"My child," said Harry, gently, "where do yon live? We will go home with yon," And soon the hnsband and wife were on their way to the dwelling of the child.
It was not far distant; they had only the length of a few streets to walk, and in an hnmble tenement, the home of respectable and honest poverty, they found what they were seeking.
A plainly, poorly-furnished, yet clean and tidy room, witb a pale and sorrowing mother weeping for the treasure she had lost; and lying npon a narrow conch in the corner, that ere long he would exchange for one yet nar-
rower, the rigid form of the yonng man-the child's dead brother-the widow's only son.
The sheet that covered bim was folded aside, discovering a pale and wasted, bnt beautifu and serene face, bearing the traces of a long illuess, patiently borne; the heavy, gold-fring ed lids were closed calmly orer the full eyesbrow that seemed yet to wear the smile it had known in life. It was already arranged for its last resting-place. The thin, white hands were crossed npon the breast, and one of them held a little bnnch of fading flowers-Amy's fowers. Their perfume lingered yet around the dead. He had died with them in his hand, with the reqnest that they might go with him to his grave-with the blcssing of the dying the Window.

A Quaker, intending to drink a glass of water, took up a smali tumbler of gin. He did not discorer his mistake nutil he got belind the door and swallowed the dose. He held np both his hands and exclaimed: "Verily, I have What will Abigail say when she smells my breath ?"

A Goon Suggestion.-A down-east contem porary advocates the establishment of semiuaries for yonng ladies where spinology, knit ology, weaveology, cookology, \&c., can be tanght-the gradnates to receive the degree of

RELATION OF AIR TO LIFE
We shonld like, had we space, to qnote a ew paragraphs from the chapter on the rclations of the atmosphere to life; how the word "animal" signifies breath, and animated nature, breathiug nature; that by means of air onr senses of seeing, hearing, feeling and smelling are made possible; where respiration is vigorons, as in birds, life is energetic; when it is feeble, as in snakes and frogs, life is slow; how man lives in proportion as he breathes, and the activity of the child is in proportion to the vigor of its lungs; and the calmness and power of man is combined with tranquil respiration. If the lungs be sound, strong and active, there is magnanimity, courage, boldness; if feeble and languid, there is timorousness and debility. To be out of spirits is to be ont of breath; to be animated is to be full of breath. When eager, we pant; when weary, we yawn; when fearful, we are breath less or aghast. The air is the cellarage of aerial wines, the heaven of the spirits of plants aud flowers, which are safely kept there till called for by lnugs and skin. Dirty air produces greater evil than dirty water. However well we diet or doctor, if we do not take in good air we cannot take on good conditions. Plants take the poison carbonic acid from the air. The date trees on the banks of the Nile drink it in by their leares; the cedars of Lebanon take it in to add to their stature; the co coanuts grow rich on it; the lotus plant will change it into flowers. Plants give oxygen to the air. The oak aud cedar, cinnamon tree, rlododendron and roses, each in their daily process of growth, nnpoison the atmospher of the load of carbonic acid passing into it by onr breath and by animal and vegetable decay, and each ponr ont a stream of oxygen so uecessary to animal life. But we must leav this rich chapter until our next leisure

A Subject for a Pioture.-In a pretty conntry studio, seven miles from Fontaine blean, a gentlewoman was at work on a sultry day last June, dressed as French ladics who happen to be artists nsnally dress, in a blonse and petticoat. The gentlewoman was Mdlle. Rosa Bonheur, and she was painting cattle and grazing grouud. Snddenly the door of the stndio was opened, and withont announce ment of any kiud, a bright and charming wo man entered the room, tbrew her arms aronnd Mdlle. Rosa's neck, clasped a ribbon round it rom which depended a little cross well known n France. The charming visitor was the Empress Engenie. Mdlle. Bonhenr had never heard a word of this, or of this decoration be ng intended for her, and she sat down on a ow stool and enjoyed a good cry, while the Empress chatted with her abont her palettes, her pencils, and the delightfnl tritles of he art. Certes, the Empress Engenie kuows how o enhance a gracefnl act by the added grace of doing it well.

Spans, altbough three centuries ago one of he leading powers in Enrope, is now the most ackward in all that concerns progressive en erprise and education. In this respect even Turkey is in advance of her; for the Turkish hildren, -so the missionaries say,-can read and write. But in Spain, ont of a population f seventeen millions, only three millions can ead and write. Yet the priesthood number no less than 125,000 . If the enormons sums hat are expended in the support of the clergy were devoted to the education of the masse that country would be raised from its degrada ion, and take its place in the ranks with Protestant nations. The wealth of the priest hood is very great and displays itself in costly chnrches and convents, while anything like a common school system is disconraged. A fre ress does not exist, and accounts have recen $y$ reached ns of the imprisonment of thre editors for the expression of liberal opinions.

Grave Amusement.-The following intro duction to a piece of poetry in a late number of one of the religions papers, is quite novel to ns: "The following lines were written more than sixty years ago, by one who has for many years slept in the grave merely for
Ihis oron amusement."

## Farm and freside．

gublished every saturnay．

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ents ane nill not snita ble for thesa pages


F月ates and Rueries．
IS TROTTING NATURAL TO THE HORSE ？
Tincide hes，contends that＂troting is not the natural gale of any se．＂ 1 dispute tols assertion ；hut wbat is your opinion ？
A．R．L． although many horsemen vill laugh at the Idea．10 speaklng of a horse＇s matural gait they will tell you he trots－but we be
liere troting ls an nrlificial or accuired faculty．In his will state，the horse invarinuls walks or gallops．

but cannot give Autiileyt
er cangbt in this country．

## 泪iscellany．

The Climate of Minnesota．－The climate f Mimnesota is described by one who has en－ joyed it for many years，iu substance as fol－ lows：In January the thermoneter oscillates about zero，though it is oftener above than be－ low it．Most years there is about a week of excessively cold weather，when the mercury falls to thirty or forty degrees．February usual－ ly contains a few very cold days．March is about the same in its general characteristics as iu New Euglaud．It is the mouth of maple sugar．April is given up to ploughing and sow－ ing．Corn is usualiy planted by the 12 th of May．The weather begins to get warm，the mercury often rising to eighty aud even ninety degrees in the shade．Juue and July are very hot months．In June everythiug grows with startliug rapidity．July has deliciously cool nights．August is a delightful month，as cool breezes are prevalent，aud a cold storm is not unknown．September is generally honored with a slight frost．October is the most enjoy－ able mouth in the year．It is usually ushered in by a heavy frost，which is not repeated for ten or twelve days．November and December are marked by a steady falliug of the ther－ mometer，Between October and March rain is a great rarity．During the summer months it is very frequent，and heavy dews fall．Suow is never deeper than two feet on a level． Sleighing lasts every year for two months．
Sitanghai Fowls．－The points which ought to distinguish the pure varieties of Shanghai fowls are as follows：Their general character－ istics are great size，roundness and shortness of body，width of breast and neck，with medium height corresponding to their weight．The pure breeds are close－feathered；their flesh is fine in fibre，yellow and juicy，and of delicate flavor．They are prolifie layers，and when at maturity furnish large eggs．The best breed－ ers generally have their broods produced early iu the season－not later，than the last of May． All pure varieties，whether brown or white， are hardy；males generally average from ten to twelve pounds when a year old，and females from eight to nine pounds．
a Child＇s Prajer．－A little child，kneeling by his bed to pray as he retired to sleep for the night，said：＂Dear heavenly Father，please don＇t let the large cow hook me，nor the horse kiek me；and don＇t let me ruu array outside of the gate，when mother tells une not to．＂ Mrs．Sigourney．


## Iartford，Conn．，Feb．27， 1867

Tie British Isles are not larger than the hree States of New York，Pennsylvania，and Ohio；while the United States and their yet unoccupied Territories are nearly as large as all Europe，and a great deal more fertile．It is happy for the swarmiug millions of Europe hat the Uuited States，British North America and Australia exist，to attract them to virgin soils and all but limitless land．

## TYe 解arkets，

WOONSOCKET RETAIL MARREET

brighton cattle market．
Lambs， 6613 ；Swine， 70.
Prucess．Beef Catlue－Extrn，$\$ 13.50$ en．$\$ 14.00$ ；frat quality， $\$ 12.75 @ \$ 13.75$ ：second quality，$\$ 11.50 @ \$ 12.50$ ；thrd qualluy
$\$ 10.00 \propto \$ 11.00$ \％$\%$ 100 tos（the total welgbt of hides，tallow and dressed beef．）



There is but a smaill supply of cattle in market this week，an dations．
Stores－There are but a few stores brought to market a this season of the year，except Worklng Oxen and Milch Cown Most of the small Cattle are bought up to slaughter
Working OxFi．．－There is a small supply in market an

and | rade is very |
| :--- |
| 200， 2102295 |

Mr．on Cows－Sales extra \＄80n110；ordinary $\$ 60075$ ：Stor
Cows $\$ 35500$ ．Prices of Milch Cows depend allogether upon he fancy of the purchaser．Extra Cows are in good demand
SREEP AND LAMBS－The trade for sheep and lambs bad heen active nnd there was a larger supply in market tban tbal
 leb dealers are asking from onloc 70 thty Pigs

WEERLY REVIEW OF THE NEW YORK WHOLESALE MARKET
Tuers has been mueh fuctuation in the wbolesale marke
during the past week，and many staple articles bave been ne
lected．Trade is mucb demoralized，and Is In nearly the same ondition It was after the pante of 1857 ．
F．oon has onctuated conslderably，and closes with a hetter One．Owing to the large stock here，buyers opernte cautiou
Prices are about the same as last week．Tbe stock 18 re duced to about 435,000 barrels，wblcb is inrge for the season．－ Te quoto extra state，\＄10 59 ＠11 50 ．
T5 ：St．Louls extras，\＄10 95 ＠16．
Wileat has finctunted rapldy，and withln a few days has
teen held witb more firmness，wbich has retmed transa The clemand is confined to millers，who opernte cautiously，the
hlgh prices causing beem to hold off．At the close the market is hlgh prices causlng them to bold orf．At the close the market is
quiet at $\$ 210 @ 218$ for No． 3 Mulwaukee；$\$ 220$＠ 230 for No． Milwaukee；$\$ 295 @ 306$ for amber state；$\$ 3 @ 320$ for whito anda．Barley has Ouctuated considerably，and eloses steady ，700，000 bustelse local linquiry．Is large．
Rye has been ofrered freely，and decllned materlally，closin
 or state．The stock on hand ts nbout 570,000 busbels，wblch Oats have been moro actire at cbangeable rates．Early in The week prices decllned，but bave since recorered，closing wilt
Corst has been much depressed，owing to the unfarornble eews from Europe，and liberal arrivals from ths West．Prices mand for $\$ 106$ western mixed ln store，and $\$ 107$ a 0 ooat，and $\$ 107 @ 109$ for Jersey yellow．The stock is reduced to $1,300,-$ 000 busbels，which is large for the season， Provisiovs bare been comparatively quiet，but notwith．
standing the large arrivals prices of pork bnve Improved．The

\section*{ Ren <br> 

albany cattle market．




 | ceipst soon hean |
| :---: |
| Hicos - Sales at |



THE COAL TRADE

| The trade continues very dull，and prices nre nominal．Ves． scls are moderately plenty，but tbe snow storm of the past week has bnd the effect of making captans less anvious to go around Cape Cod unless well remunerated． <br> The freight and toll over the Philadelpha and Reading railroad have been announced，the schedule beling the same as the open－ Ing rates of last spring．Tbese rates，if adbered to，will prevent shipments from Port Ricbmond，as the prices at whicb the Lackawann coal can be furnisbed lu Nerr York and shlpped to the eastward will probihit the Schuylsill coal from coming in competitlon．－［Philadelphia North American． |  |
| :---: | :---: |
|  | Special Hatices． $\qquad$ <br> Albert Conax smitu ls a duly authorized agent to recelve smbscribers＇names and money for the Woonsoofet Pathio and the fans and fireside． <br> Woonsocket，Feb．22， 1867. <br> S．S．FOSS，Publlsher． |
|  | Fiour of bone as A fertiliyer－Mr．S．N． 1 receipt of the FLour＇or Bovar from sou hast spring，whi ant salistied that it is a very valunble fertilizer．＇The $s$ <br>  who guaratee lis rivrity．General Agency， 8 Central St Bostox， ［3nass． |

## Marriages．





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In Uion rives．



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In Weat yillury Hass，gist whlt

In Holluston，Mass， 17 th ult，S．asuer．P．S．situ，aged 62

In Reboboth，23d ult．，SAMUEL．Fiari，aged 84．



Anduertisement．
The American Tea Company THE IMMENSE PROFITS

TEATRADE
tief proprietors of the great anericai tea Conslumers of＇rea and Cofee were paying to many and ton
arge profts on these artcles of every day consumplon and
therefore organized TIIE GREAT AMERICAN TEA COM．


Efery gardener kuows the value and use of the Hot-Bed. We do not write, in this iustance, to instruct the professional gardener hut rather the faruer and everybody in genera who owns a few rods of land and is fond of early vegetables. The Hot-Bed is simple and
easy of construction. The size is immaterial. easy of construction. The size is immaterial
It will depend upon the wants required. A It will depend upon the wants required.
frame six by niue or twelve feet is a good size Having the flame or hox ready, toward the end of February, or early iu March, (if not hefore) collect some stable manure, and let it heat for six or eight days before usiug. Then select a suuuy aspect-south-east is best-and
mark off a space onc foot larger thau the siz of the hox. Orer this space huild the manure precisely as though it was a hay-stack-that is layer after layer, even all around, uutil the de Press it dowa firmly, and get on the frame aud lights. Take the fork and well kuoek in the sides of the bed, whieh will assist in preserving a uniform heat. Let it stand a few days, and if the heat has risen, put in six to nine inche of "good soil. Insert a "trial stick," and when on withdrawing the same, it is fou
bly waru, the seed may he sown
Sow whatever you wish for early use-suc as radishes, lettuce, tomatoes, peppers, cucunhers, etc. All these are to be transplanted ex
eept the radish. After the seeds are sown cover with half an inch of soil, press the same gently with a board, aud water suffieiently to settle the soil. Air must be given in sufiieient quantities to keep the temperature under $65^{\circ}$ without sun heat. When the plants begin to appear, give air quite liberally every warm day, and ultimately take off the glass altogeth er-first iu day-time, theu in mild nights. Iu
this way you will have strong aud healthy plants, which may he set out as soon as th season is sulficiently advauced. Radishes and lettuce may he had without transplauting.

Potato Planting. - Mr. Brown, of Lon Island, has reeently puhlished an interesting experiment touching the butt ends and seed ends of potatoes. Last spring he planted four toes. In equal length, of two varieties of pota ed only the "seed euds" of the potato; in the other, the opposite, or "butt ends." Thes were the pink eyes and the peach blows.
The yield was as follows: Pink eyes, hut ends, 217 pounds; pink eyes, seed ends, 170 pounds; peach blows, butt ends, 225 pounds peach blows, seed ends, 179 pounds.
The potatoes raised from the butt ends wer much larger than those from the seed ends, and appeared to be from a week to ten day earkier. Had the whole field been planted
with butt ends, the yield would have been more than 500 bushels to the acre.

Clover Hay as a Codge Medionne. wish to call attention again to an infusion o red clover, as oue among the hest remedies we have in treating persistent cough in children. Make a strong infusion, strain and sweeten and let the child take a teaspoonful every on or two hours. It is one of the best remedie for hooping cougl,
and stramonium.

Prize Turnip Crops.-A committee Guelph, C. W., awarded a prize for a crop o 64.000 lbs . of turnips from an acre of land. The second prize was given for a crop of 60 . 330 lbs . The lightest of five other crops was 52.320 lbs . The committee recommended planting turnips in drills 28 inches apart, and nine to twelve inches apart in the rows.

## NEW METHOD OF CULTIVATING CELERY.

The following, from the Agricultural Repor ill be found highly interesting to gardener as it dispenses with mueh labor and unsightly isfiguration of sarden grounds in the produc tion of this excelleut regetable
As the cultivatiou of celery is but very in differeully understood, and an immense anoun of useless labor given to its cultivation in many parts of the country, I will describe our prac tice of it at more length than other vegetalles This system is suitable either
or for market or garden culture.
The gronud best suited for e
The grontul bot suited for eelery is a heavy oam, although it will grow freely on any soil, provided it is rich enough. It is a mistaken notion that it does best on wet soil. No doub t requires abundance of moisture; but at the same time it is quite as impatient of a soil where water stagnates as any vegetable

The
The system we now adopt is much mor imple than that in geueral use. We entirel dispense with trenches, thereby saving a grea deal of extra labor. The crop is planted on he flat surface, iu the same manner as any other vegctable, in rows (for the dwarf varie ies) three feet apart, by six iuches between the plants. In plantiug great care should he aken that the roots are properly formed. The afest plan, after planting, is to press by the ide of each plant gently with the foot, so to compact the earth around the root until the new rootlets are formed. This practice shonl he rigidly observed in plantiug of every decription, as much disappomtment is caused l e omission of this very simple precautiou. After plauting nothiug more is required fo six or seven weeks but hoeing berween to kee
down the weeds. By the cnd of August th ool and moist atmosphere quiekly induces rapid growth, and when the plants attaiu the height of ten or twelve inches, the earth may be drawn up against them, so as to eause an pright growth aud keep the plants from spreading. This time it had better be done by the spade, and raised to at least half the heigh of the plants. The final earthing up may he lelayed for a few clays, so as to allow an iu crease of growth. Iu two or three weeks after the last earthing up, it will be blanched suffiiently for use. This is the process required for what is to be used until the middle of D ember. That which is wanted for late winte usc requires but little labor, as it should neve be hanked up. All that is required is simply to hoe the soil towards it, so as to induce an upright growth; then further tighten the soil to it with the hauds, and hoe up agaiust it soil enough to seep the plant in its upright posiou, which is all that is necessary until it is ug up to be put away iu the trencues, where formed in the following manner: Dig a trench or draiu in a dry spot as narrow as the spad will allow, say ten or twelve inehes wide; and f the depth of the length of the celery, that is, if the celery is two feet loug, the trench must be two feet deep, so the top leaves wil e level with the surface of the ground. I will be understood that the celery is paeked in his trench or draiu perpendicularly, so as fill it completely; no earth beiug put between
the plants, nor even to the roots, as there is die plants, nor even to the roots, as there trench to keep the plants from wilting. The time at which this operation is performed ha go this erop on a large scale in our mark gardens, we begin to put the first lot away in he trencles by the 25 th of October, which is lanched fit for use by the middle of Decem ber. Our second lot is put away about the 0th of November, which is that used in Janu ary and February. The last lot we delay put ting away as long as it is safe to risk it-say he 20th of November. This almost invaria bly keeps in fine order until March. Atteu tion to dates in this matter is of the utmost imwarm weather would cause it to blanch too quickly, while by delaying too long it might get caught by frost, which usually comes severe enough to hurt it by the end of November. By the middle of December the trenches
up with straw or leaves, which must overlap the trench a foot at least on each side. The covering must be doue at intervals as the seaon advances to severe weather, which is be fore the first of January. By this time it
should have a covering of cight or ten inches. Covered to this depth it will safely resist the severest frosts, and the roots can be taken ou with little trouble during the winter.

Ротatoes-Varieties-Yield.-In the Cul ivator and Country Geutleman we find communication from Jonathan Talleoti of Rome, N. Y., giving his experience, during the past season, in the cultivation of several varieties of potatoes. The soil planted on was sandy gravel, ahout one-third of which was used for potatocs the previous year. Twelve varieties were planted the last season and produced, per acre, as follows: Dykeman, 200
bushels, rotted about oue-half. Jackson Wheite, 150 bushels, first rate-some rot, but less than Dykeman. Early Goodrich, 36 bushels from half bushel seed, best yield the grower ever had; product good and will be a favorite iety for the next season. Ohio Russet, equal to 200 bushels per acre ; good potato and not bushels per acre; large sized and but little af fected hy the rot. Fluke, a good baking pota to; fair yielder: but not likely to be popular iu that region. Calico, a moderate yield and no promising for cultivatiou. Gieuson, yield 24 bushels from half hushel seed; a promising variety. White Peaeh-blooo, yields well, but is insipid, not a favorite. Jersey Peach-blow the same. Carter, a superior tahle potato, but muel affected hy the rot; their want of hardihood is against them. Prince Albert, a good variety and yielding ahout 300 buskels to the aere; its table qualities commeud it for caltivation.

Measuring Potatoes in the Bin.-The following rule for ascertaining the number of bushels of apples, potatoes, \&c.. in bins and boxes, is recommended as simple aud accurat hy a correspondent of the Mirror and Farmer: for the numher of "even" bushels, multiply he number of eubie feet in the bin hy 8 aud poiut off onc decimal. For "heaped" hushels, multiply by 8 twice and poiut off two.

Canada Thistles.-Many farmers are at considerable expense eaeh year to prevent the ucrease or to destroy thistles which not unfrequently loeate upou valuable portions of their arms. Geese eat thistles, and if allowed to feed two years successively where thistles grow, hey will entirely disappear from those localities.

Messrs. Editors of the Farm and Fireside:
Please publish the following cure for the oprng cough
One great teaspoonful of molasses ; one teas poonful of casior oil; one ditto of paregoric Mix them, and take whenever the eough is roublesome. This mixture is excellent for any

The consumption of horse flesh is increas ng rapidly among the poorer classes in the different quarters at Paris. There are now open no less than fifteen hutcher's shops for the exelusive sale of the new "viande," aud there are four restaurants where horse flesh is the distinguishing featurc of the carte. At particular places in the provinces horse meat has become a staple article of trade.

Advertisements.
nhode Island.

W. A. HENNESSEY,.
rer of FLUE and TUBULAR STEAM BOILERS,
WATER TANKS, WATER PIPE and PLATE
IRON WORK of every description.
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## xu.






FARMER WANTED.A faithful and skilful farmer is
Fehruary 16, 1867.





Perne ine
Massachusetts
Rare and beautiful
ment of the ahove, comprising the newest and most approred ment of the ahove, comprising the newest and most approve
rarieties, hoth of European and Home Productions, the qualit
of which cannot he surpassed. For a list of which, see his illustrated seed catalogue and guide to the flower and kitchen garden,

 Fehrnary 23, 1867. B. K. BLISS, Springfield, Mass.

Tennsyluania.
$\mathrm{M}^{\text {ENDENHALL }}$ HMPRDED SELF-ACTING In these days of Shonnr, and high priced goods, every fami-
Iy in the country should have one. half the co


 the fanily, and nuucc the hetirer quals cant, mathe half pritice tothing for
By late improvements, RA CARPETS can he woren with the
 Also, Dealers 1 n cotton Warp, Wool and Filax Filling Yarns,
Reeds, Harnss and Loom findings generally.
March 2, 1887.

## Eannecticut.

FARMERS, ATTENTION.-Will he sold at Auction, at the





## JERSEY COWS.

Written for the Farm and Fireside,
BY JOIIX GILES, BOUTII WOODSTOCK, CONA.
Friend Foss:-I have often been solicited by editors of agricultural journals and others interested in stoek-raising, to "give my experience as importer and breeder of the Jersey Cattlc. As your "Farm and Fireside" is doing a good serrice to agriculture and its kindred arts, I accept your invitation, and give a few facts and hints respecting the farorite Jerseys, or the Channel Isliand Cattle, as we call tbem in Eagland.

Every one knows who has visited the Channel Islands, that they are a small group in the Channel between England aud France. There are four Islands, viz. : Jersey, Gurnsey, Alderney and the Island of Sark. The Island of Jersey is the largest in the group. Ou that Island are kept about five thousind cows.The Island of Alderney is still smaller, exporting only about forty head a year; Gurnsey is still less iu size. I shall coufine myself to the Isle of Jursey stoek. Althougb the Jersey cows differ but little in appearance from cows on the other Islands, still, to the close observer, there is a marked difference, the Gurnsey cow beins longer, and the Alderney being
more thick aud clunky more thick aud chunky about the head and neek, not baving that deer-like appearance of the Jersey cow. As cream and hutter cows, they: differ but little from the Jerseys.
1st. What ougbt the appearance of a Jersey cow to be? She sbould bare thin jaws, a small muzalc, with a white rim around it, wide hetween the horns, a full eye, aud horns sunall, yellow and waxey looking at the root, tapering off to black on the tip of the horn; inside of cars, a deep orange color; ncek, long and slim, well filled out helind the sboulders, straigltt hack, and round, full barrel; small or; deer-like legs, with square orange eolor; deer-like legs, witis square hag, running well forward, and well np hehind; teats of medium size, well set apart; bag and teats of orange color, no matter how deep that color is. If you want a Jersey cow, buy such as I have described willout asking questions. If sbe does not prove good, I will take her at cost price.
2d. The milk, cream and butter qualities.-
The Jersey cow is not a deep milker. The
most I ever had one give in one day was ninemost I cver had one give in one day was nine
teen quarts. From twelve to fourten quarts per day is good milking for a Jersey enw.The eream from Jersey milk is not equaled hy any other known breed of eows in the wonld, leing very thiek and firm, of a briglit orange color, making the most delieious butter of the sams complexion. The Jersey, like all other cows, differ in quantity and quality of milk and butter. Some of them will make more hutter from the same quantity of milk. The average of butter is, one pound from four to six quarts of milk. A great deal depends upon the feed aud mauagement. As every one and pastures are more suitable for butter makiug than others. The most butter per week I have ever made from a Jersey eow was sixteeu pounds. I have been told there are Jersey cows that will make from cighteen to twenty two ponuds of butter per week. It may heso, hut it has never been my good luck to see or own suell. It I bave a Jersey cow that will give from twelre to sixteen pounds ol butte per week, I call her a good one. I soldía Jer sey cow to Mr. Joseph P. Ruy, of Blaekstone, Mass. She had heen giving ahout nine poands of butter per week through the Winter. Mr: Ray assured me that last year she gare hinh
sixteen pounds of butter per week, and that four quarts of her milk would make one pound of butter: He further said that this year she had done hetter, giviug from seventech to eighteen pounds of butter per week. Sueh is not always the ease. I once sold a Jersey tbut witb us gave fourteen pounds of butter per week. Shortly after, I have been informed, the cow was only giving eight to ten pounds of butter per week. This is easily accounted for. The eow had been driven to a different pasture, wbere the herbage is not so good for but ter. She may have been consigned to the care of Patrick. Patriek likes a drink of milk, for the stomachis sake. Taking care of milk and tbe dairy is consigned to Bridget. Bridget likes a little good eream in her tea as well as mistress. Ilence, the butter fell short. The Jersey cow was condemned, and the selle ensured. The fiult lay in bad management Many other things conld be said about the Jersey eow, sucli as price, best age for butter \&e. These matters I must defer until a future opportunity:

## Itarticulture. <br> EARLY TOMATOES AND CUCUMBERS.

## Wrinen for to

Tlere is notbing new in the practice-w have followed it these sisteen years, telling everybody we could reach, publicly and prirately, of our manner of producing eucuuhers and tomatoes from two to three wecks earlier than can be found in our Northern markets. Nevertheless, it is prolable that not three in a thousand of all who have read or istened to our hints, have held them in remembrance a week. So we repeat the preeept, with a hope that some few of those who cead will henefit hy the information afforded. Our Tomato practice is to scrape out two lozen or so fair sized turnips to thin shells, fill them with rieln garden mold, plant a few sceds in euel, place them in a box of earth, corerhig guite up to the top, place the hox in a warm room. After the plants are up, water rhen required, give light, and out-door air on 11 pleasant, wam days. Solect the strongest blant in caeh shell, to grow, pulling out the others. Pinch back too vigorous slioots, urge stout, stocky growth hy frequent slight feedligs of tepid sour milk-sometimes weak soap suds, and when the frost season is fairly past, set turnip shells, tomato plauts and all in the out-door soil where they are to grow, and they will go right on growiug, without any hesitaton or standing still, as they do coming out rom a hot bed.
Cucumbers we persuade forvard in the same manner; planting them in hloeks of turf intead of turuip shells, and almost always we have tomatoes and cueumbers well set on the rines before setting them in ont-door position. Cucumbers, white, crisp, eool, tender, almost cedless; frce from all unpleasant, eartlyy taste, and as delieate and delieious as cucumbers can be, may he indueed by simply placing the small fruit within a seetion of dirain-tile, flower pot or old bottle, with the neck kuoeked off, corering them from the sualight and growing them to table size in the dark.

Tue: fruit prospects in the Middle States are rood.
eariy tying up of grapevines on the
If there is anything in the theory, tbat great injury is often caused lyy extraetion of moisture and evaporation when in contaet with coninual cold, then it is advisable to leare the rines lying upon the ground uutil after the cold, drying winds of Marcb have passed. As tbe eason adrauces, the circulation of sap inereases, and in Marel there is more aqueous matter iu the vine than in the montlo of Junuary : and consequently it is more susceptible to ehanges of temperature, and is more affected by cold, drying winds; hut to what extent injury is caused by continual cold, drying winds at thes scuson, we will not undertake to sav There are those who beliere the plant more olten injured by the eold, drying wincis in Hamelı or April than by any extremes of temperature during the regular wiuter uonths. Without attempting to prove or clisprove the theory, we slall only say that our experience for some years bas lieen in faror of leaving our rines on the grouud until quite late in the spring. We have some times left them even nutil after they lad bloomed and set tbeir fruit, and once or twice we have thougbt that we eseaped injury from frosts and frous cold, lriving rain und sleet storms, by the vines be-
ing on the ground, we haring plenty of frut ben some of our neighluors, whose vincs wer neatly and carefully ticd up, were destitute.IIorticulturist.

Celthere of the Rose.- Thare is no flower ing slurubs or plant requires manuring so much as the rose, whicb produces such a large quantity of flowers that the soil within reach of the roots soon beeomes exhausied of those ingredi ents which are necessary for sustaining the health and rigor of the plant. Well-rotted cow manure is best for the 10se, and as the plant is a gross feeder, a liheral supply will be required. Moderate root-pruning has a rery rood cffect in conjunction with manuring.

Tie Baldwis, the farorite arple of New England, has been In eultivation more tban a ecntury. So bas the Bartlett pear, and hotll lave retained their eharacter in all tbeir original value and purity:



## The Farm

## spectalties in farming.

We fiud a suggestion in one of the agricultural journals that is worth noting, as to the ado vantage of every cultivator laving a specialty always, to which he unay derote his attention chi-fly, arguing that a crop thus acquires an importance which commands for it whatever intelligence and attention the cultivator can command. He may, indeed, have all the rariety desis stock, \&c., and these will give interest to his operations. But the one great object of his attention and concern is the particular crop he may select as a specialty. To
this, for the time heing, be derotes himself, and is cnabled to realize from it the best results.
In farming generally and planting, this is not uncommon. Wheat, or tohateco or cotton is made the specialty, and with good results,
except that it may happen that the generai inicrests of the larm are orerlooked in the concentration of attention and means upon the
main crop. This need not be, howerer. main crop. This need not be, howerer.
There is no iuconsistency between a due attention to general iuterests ard a special attention to the one or two main crops which are chicfly looked to for the year's profits.
But the suggestion is equally applicablc to what is called truck farming, when there is dispositiou to divide the attention among many small crops. Speaking of this, the Massachusetts Plowman says: "There is no ccononiy
in this mode of management. It costs too much to uarket the small truck on a farm in little drihlets. With some specialty, he it onions, squashes, grapes or what not, the marieting comes at about the same time. It. is soon over with, and it costs in the aggregate a good deal less than it does to run off to market
with a little of eretything." As an instance of success, the Massachusette Plowman says: "We once knew a thrifty and enterprising farmer who cutlivated, gencrally, ahout lourteen acres of ouions.
rot, on an arerage, about five hundred bushels tuhe acre. He gave his time and his thoughts to tise ercup, made it a special study, and understood: thoisughly. Mc studied the market, and he tudied the erop in every phase, looking aroum to sec how the erop was coming a distauce, so 2 in own neighborhood, time to sell. 'In resuli was that he made mouey on onions. Tt was lis specialty, and he understood the erop ind the market.
Does Damping par?-- 7 ntowa Repulican answers this question:
Borland, Esq., of Pleasant Tallet Chauncey since, and inquired after the su dairy this season. He says he is meng forty
cors aud will make over twenty ${ }^{\text {nt }}$, pounds of cheese this season. Ho has
twelve thousand pounds already nuade. soys his cows will carn him $\$ 100$ each ${ }^{\circ} f$ year."

## Ths Farm and Fiveside.

## The Gtack-焦ard

Tue rapid agricultural developmont of Califorma fairly rivals the richness of her mineral ties of wheat and winc, and the former can ties of wheat and winc, and twe former can
sometimes be proftably taken to the Atlantic cities, as well as the latter. A hrief telegraph ic report of the operations of the Commissioner of the Land Offiee recently announced that titles to one hundred land claims, containing altogether 14,900 acres, in the S.in Frunciseo district, had been adjusted, and that during the last three years twenty-five vineyards and fifty-five orchards lave been planted on these properties, 12,000 acres fenced, and 9,000 acres ue of the permanent improvements is $\$ 100$, 000, and a large anount of personal property has been accumulated, consisting on some farms, in part, of from thirty to sixty horses, and several hundred cattle. These details are
ehiefly interesting as an illustration of the manner in which the great Pacific Commonwealth is laying wide and deep the foundations of permanent prosperity. Prolific as her mines are, she wisely places her main reliance upon the inexhaustible fertility of lier soil.

## chinese agrictlture.

Our farmers, who think it hardly worth their while to use the heaps of manure which accumulate ahout their barns and feeding grouuds, Chinese, as described by a
The Chinaman does not manure the field, bu he plant, with the exception of rice. All aniwal or regetable substauees are collected carefully and turned into manure. Oily matters, horns and hones are valuable, also soot, and particularly ashes.
The Chinaman is also acquainted with th effects of gypsum and linee. No Chinese farm er sows the sceds or cercals before they have
been thoroughly soaked in slds and water, and have commenced to yerminate. Experienec ha taught him tbat not only the development of the plant is thus advanced, but also that the seed is sheltered from inseets. During the summer months all sorts of regetable slireds, chips, or cuttings, dc.., are mixed with grass, straw, turf, weeds and soil, are then formed in heaps, dried and ignited, so as to burn slowiy for several days, and the whole is thus turned into a black mass. This manure is only used for the seed. When the time for sowing arrives, one man makes the holes, another fol-
fors and puts the sceds in, a third adds the fors and puts the seeds in, a third adds the
black sulstance, and the young seed planted in this manner develops itself with such force that it is enabled to drive its roots through the firm soil and take up the elements it requires.
The Chinese farmer sows the wheat in seedbeds, after it has been well soaked in sud from manure, rery close, and transplants theu afterwards to the fields. Sometimes the soaked sced is placed at once on the prepared field. ahout four inches apart. By this method they yield a huudred and twenty-fold and more,
which rewards them amply for the labor and trouble spent orer it.

Almars Buy Fat Beef and Pork.-There i nearly twenty per cent. less water in the car cass of a well-fatted animal than in a lean one
Did you ever notice, as I have, how nuuc more the lean of poor heef will dry up in hang ing, than the lean of a fat animal? and according to Prof. Voelker a lean log contains eigheen per cent. more water than a fat one.-Cor espondent American Farmer.

Lasd Meastre. - Every farmer should hare rod measurc-a iiglt, stiff pole-just 16 1-2 eet long, for measuring land. By a little prac tice he car learn to step a rod at five paces,
which will answer very well for ordinary work. Aseertaining the numher of rods in width and length of a lot you wish to measure, and multiply one into the other, and divide hy 160 , and you have the number of acres, as 160 square rods make a square acre. If you wish o lay off one acre, measure thirteen rods upon cach side. 'This lacks only a rod of full meas

## diminutive breeds.

Dwase animals are in considerable demand, but how to breed them without subjecting hew to cruel hardships is something of a puz-

The more diuninutive the poodle dog, the hore it is aduired hy ladies, and the smaller is the price that it will realize. The dwarl nimals are not intended for practical purposes, or they are too small and puny to perforns the service demanded of the particular types to
rhich tiey belong. They are simply intende Which tiey belong. They are simply intende 5 toys, and we dote more fondly on a pe miuutiveness, than any other; the Qrraffed size is in great demaud, and it is the demand that ives to these pretty but useless toys their ralue. It is well known that the offipring of
iuy pareuts, when kept in a state bordering tiuy pareuts, when kept in a state bordering eitler the sire or dam. We ean stunt an ani mal hy neglect and starvation, but this regimen too cruel to find faror in circles that boast of dranced eivilization. The object is to secure dwarfs, but not at the expense of the common
prineiples of humanity. Besides, in reorting to the strving system, we are very
injure health and destroy a pertect proporiion of parts in attainin's under size. t is a general practice in lreeding toy dogs to dminister to the young animal a porridge iixed with gin until it attains full stature.Bantams are hred late in the year, as the rains, irosts and snows of winter retard rather than hey are blessed with one perpetual summer and the very air is laden with lusurious splenor, wouau matures rapidly, aud at an carly ge, her breast expands and her limus becom upple and rounded to the fullness of beauty and prescut the symmetry of perfeet grace.-
As we leave th: tropics and travel aeross thi ther zones, we find that this carly develop ment decreases in proportion to the nature ot he soil and the coldness of climate, These facts seem to establish another-that genial reather farors development and carly maturi, while cold weather has a tendency to dwarl he growth. Cattle hreeders will tell you that a late calf hut seldom eomes to any size, without it receires unusual care and tender nursing. It the cold weather has a marked effect upon calres, it is evident that it will hare a similar effect upon all youug animals that are bred in the open air. Fullowiug out this process ot reasoning, it is clear that the general priuciple applies to horses, as well as to horned cattle and other animals. Then, when it is desired to breed ponies, wc should recommend that hat the colt be bred on poor, hleak, high mountain land, or on cold pasturc elosely grazed. The young animal must be deprived of every luxury if we aim at diminutive size But we have asserted that the question is
puzzling one to knew what process to adopt to dwarf hreeds, and to do it symmetrically, and we do not claim to ve able to solve the puzzle. We have simply reeited a few well known acts, and must leave the clear solution of the problem to time and experience.-Turf, Field nd Farm.

## disease and death among calves.

Alwost every spring or summer we hear of deaths among calves. The sight of calres that
look puny, unthrifty, or sicklr, is one whieh look puny, unthrifty, or sickly, is one whieh
not unfrequently pains the eyes and sympathics of those who have occasion to travel in the rural districts. Whence come these losses and painful sights? More frequently, we think, rom stinǧ, starving and unnatural modes of recding, than from any other eause. To en able the owners to make a few extra pounds of butter, the poor calves are deprived of the food Which Nature has provided lor them, and some
cold sulstitute, in the shape of whey, skininilk, or some other innutritious slop. The eonsequence of this short-sighted, mistaken conomy, is that the starved suffierers become puny and sickly, stunted and untlurifty, and
some of them from their miserahle life of ar-
arice-inflicted starvaion and suffering. Those who would avoid this cruelty and miserable
economy, and those wbo would secure animals that will pay, will keep their calves recll for the first three or four months; for creatures starr ed and stunted in their youth will never make as thrift, healthe well-formed, and ahle-bodi-


Breedel:'s Assoctation-The Association Brecders of Thorouylh-hred Neat Stoek had neectiog in Albany, Feb. 14th, for the elec

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Adjourned to mect at Springfield, Mass., the d Wednesday of February next.
Darkiess Fatorable to Fatsess.-It is cet that all animals fatten faster in dimp-ligbtd places than in the full light of day. This is rell known in respect to fowls. Frone experireached that in a dark shed, well rentilated and properly warmed, they will make the most mutton from a given amount of food. But mutton from a given amount or food. But
dark stables arc not good for horses, or breeding stock of auy kind; fat is not with sueh the most importaut object in riew.

How to Judge the Charactel: of a Hopse y Octwapd Appearasces. - Charles L. Tuajwrites to the Country Gentleman
'I offer the following suggestions, the re sult of my close ohservation and long experience. If the eolor he light-sorrel or chestnut, his feet, legs and face white-these are marks of kindness. If he is broad and full between he eyes, he may be depended on as a horse of rood sense, and capable of being trained to anything; as respects such horses, the more kindly you treat them, the better you will be reated in return. Nor will a horse of this description stand a whip if well fed. If you He may be so far geutle as uot to scare, hut he will have too much go-alead in him to be afe with everybody. If you want a fool, hut horse of great bottom, gcl a deep bay witl ot a whitc hair ahout him. If his face is ittle dished, so much the worse. Let no man ride sueh a horse that is not an expert rider;
they are always tricky and unsafe. If you want one that will never give out, never buy a large, over-grown one. A black horse canno tand heat, nor a white one eold. If you want gentle horse, get one with uorc or less white hout the head, the more the better. Scentleuess."
Will not souze of our country readers write their own experience upon the matter

Horees Oierre.ching-Remedy. - Make he shoe its natural lenyth, or a triflc longer with the toc ealk of the forward shoc high, and further forward and more removed from the stride of the hind foot, which, heing shod with
a low toe calk and high heel calk, will strike the grouud hefore it reaclies the fore foot. A interfering horse usually strikes with the in ide of the hoof ahout two incles from the toc; erefore make the sloe straighter on the in side end and ras,
ral Néro Torker.

Pothtry Exhrbitios:The fourth exhibi ion of the Worcester County (Sass.) Poultry Club will be held in Washburn Hall, Worces ter, on
month.


Management of Grapevines.-George Hushmann, of Herrman, Mo., one of the most intelligent grape cultivators abstance: i. Complete uuderdrainage.



a. w. 'avo s. s. F Foss, Emitors.

SATURDAY, MARCH 9, 1867

## 

## guropean correspondence

 practical agricinliurstat a gentleman of talent, who will writ Tairs as they cxist II England, France and Germany. He w Seatures of tit which more directly interest the intelligent farm-
er nod horticullurist. Our readers may expect ounce valuable er and horticullurist.

## agricultural colleges.

The donatiou of land voted by Congress to the several loyal States for the maiutenanee of Agricultural Collcyes, is at the rate of thirt thousand aryes for each Scantor aud Represen-
tative. The grant to Pcunsylvauia will be about scven huudred and eighty thousan acres. Under the provisions of the act, the expenses of the management ind sale must be paid out of the State Treasury. Ten per cent of the sum realized may be employed in the
purelasc of lands and builling sites; but the balance of the fand must remain iutact, au be invested in reliable securities, yichling not less thau five per cent. Such revenue is to he faithfully appropriated to "the endowmeut and support of at least one Colleyre, where, without excluding other scientific and classical studies, and includiug uilitary tactics, the
leculing object slall be to teach such branclies of leculing object slaall be to teach such branches of
learning as are rclated to agriculture and the mechanic arts, in order to promote the liberal and practical education of the industrial classe in the several pursuits and professions of life.
Upon the policy employed in the disposal or this grant will depend its pecuniary value The Eastern States have adopted the plan of selling their scrip at once; while some of the Western States advocite, in view of an increased revenuc in the future, a gradual sale of the land. Some of the Eisteru States lave realized eighty cents per acre for their scrip, while Olio received but fifty-four cents an acre for hers. The average, in these instances, would be sixty-seven cents. At such price the
seven hundred and eighty thousand acres granted to Pernsylvania would amount to $\$ 52,600$. At the locesst rate of interest allowed (five per cent.) this sum would yield $\$ 26,130$, which would be quite a handsome yearly revenue uch colleges as are already cstabisished.
Europe is far in advance of this country in
hhe estimate placed upon the value of agriculthe estimate placed upon the value of agriculture as a scicuce. There are seventy-five agrisia, thirty-three in Austria, thirty-five in Bavaria, and sixty-eight in Russia. The total number of schools of this character in Europe is three hundred and fifty-two. Of these, twentytwo are "Superior Schools," runkiug with the best colleges iu this country in the extent and varicty of the sciences taught; fifty-four are "Intermediary Sehools," which will compare favorably with most Aucrican colleges. The Royal Agricultural Collcye at Cireucester, has scren huudred acres, and six professors; the Agricultural School at Grignon, near Paris, has seven hundred and fifty acres, and six professors; Bruuswick has a Superior School, with thirten professors; in Saxony there is anothor with seven thousand three hundred and fiftyfive acres and nine professors; the Iustitute of Agronomy and Forcsts, in Wurtemburg, has eight hundred and twenty-five acres under cultivation, five thousand acres of forest, one director, six professors, four tunctuaries and two tutors. In these colleges the system of iustruction is extensive and thorough ; embracing algebra, geomctry, mechanics, surveying, leveling, stercometry (measuring solid bodies), and linear drawings, in the mathematical sciences; meteorology, mineral chemistry, minerology, geology and botany, in the physical sciences; organic chemistry, agriculture, aboriculture, sylviculture, veterinary art, agricultural zoology, and equitation, in what are de-
nominated teclunological sciences; and rural architecture, forest economy, rural economy, cal sciences. The practice of sub-dividing the business of teachin! among so many profesbnsiness of tachin! among so many profes-
sore, cach of whom gives his undivided attensore, cach of whom gives has undividen atten-
tion to a particular art or science, secures that preeminence in German universilies and scholars for which they are distinguished.
Comparing the United S:ates with the adrantages presented, and the progress observable in Eiurone, we uust conclule that there ex ists among us a mere germ of agricultural seicoce; and whelher the vitality of this germ is o be blightel by neglect, or developed by elfurt, will depend upon the comprelensive view we take of our duty and the carmest manner in whiel we euter upou the discharge of the samc. We do not deny that our progress in grieulture, for a decade of years, has been on bright and encouraging character, but it is fact, just as evident, that so long as we delay o establish numerous schools in which agricultural seience is the specialy, just so long will we be injuring farming interests iu particular, and the welfare of the country in general. Let it not, to our shame be said, "that an individual, wishing to pursue the critical iuvestigations of raral cconomy, must worls alone, at every disadrantage, without the smallest hope of compensation, while athousand envious spifits stind ready to deprive him of any credit that may he due hiu for a life of selfsacrifiziug devotiou;" or that we "merely olerate calle shows because they do not iu volve ar process of thinking!" Experimental
truths in lusbandry and till,ge are of infinitely more value than the neto agricultural books, " filled with old saws that have been filed and e-set a thousand times with no iuprovement or change."
pronuct of Grain in New York.
At the ammal meeting of the New York State At the amual meeting of the New York state
Agricultural Society, ex-President Gould stated that the average produce of Spriug wheat in that Statc, was only sccen busleles per acre; hat ol winter wheat, only thirtcen hushels to the acre ; corn, twenty-cight bushels; potatoes, ninety-eight bushels, and hay, ninety-one hundredths of a ton to the acre. This statement may surprise many readers, but it is undoubteally correct. Half a century ago the Empire State raised much larger average crops of cerials than now; but, like all the elder States, she is making unremunerative returns to her agricultural population. Her former rain crops have reluced her potassa and phosphoric acid; the remedy (partially) would be the cultivation f leguminous crops, such as pcas, clover, dec. The reduced average products of land in New York and elsewhere, is a strong argument for "rotation of crops."

An $\Lambda_{\text {ged }}$ Horse.-A correspondent of the Turf, Field and Farm, writiug from Galesburgh, Michigan, states that a horse owned by the Michigan Central Railroad, died in the early part of Jaunary, at the age of forty-four years
The above mentioned horse was probably the oldest in this country. The average longevity of the horse is not twelve years, al though iustances are recorded of horses living o the great age of forty-seven years. If the owners of horses had halt the humanity which every man should possess, our noblest and best friend among animals would live much longer
than he does. With proper care, food and medical attention, a horse of ordinary constitution would live five-and-twenty years. Now they "go to the dogs" in eight or ten years.

Profitable Cow.-James Hardy, of Brunswick, Maine, made, last year, from one cow, of our native breed, three hundred and
twenty pounds of butter, and sold two huudred and seventy-five quarts of milk, besides What milk and cream were used in a family of six persons. The cow was fed upon grass and corn-fodder in the Summer season; in the Winter, four quarts of meal per didy, and what good English hay she would eat. A dozen such cows would yield quite a pretty little in
come, at the present prices of dairy products.
4-5 The estimated value of farms and farm
stock in New York in 1856, was $\$ 25,000,000$

## PROVIDE A HOT-BED.

We know of no thrifty farmer who appreciatcs Iresh Tomatoes, early in July, who will not provide a hot bed for the purpose ol' for-
warding the plants of this and several other articles, such as Egy and Pepper plants. Many ather incidental matters may be secured by its aid; such as a few clooice annuals, Dithlias from cuttings, ice. The first week of March is the proper time in this latitude. It is pre pared by selecting a warm location exposed to the Soutl, if backed by a board fence, or at
least within a few feet from one, so much the better. The most convenicnt mode of con struction is morable loards for the frame,
Thich may be keyed together when in use.a half feet wide by scren leet long, will be quite suftieient. This will require a finme eight feet by twelve ; allowing a margin at top and bot locight at the back may be twenty-four inclies sloping to twelve or fifteeu at the front.
The spot having beeu selected, remove about Wo feet of the soil over a space of fifteen feet by eight. Having secured a quantity of stable litter and leaves, sufficient to lom a bank of
about three feet in depth, material which beginning io ferment, commence by survendin this in layers; shaking it out with the fork, so be sure it of equal compactuess; the leave can not be hal, they may be dispensed with, but they tacilitate the lermentation and regulate it. As soon as the heap is of proper di-
mension, place the frame in its position, restng on the uanure and cover with the sast covering wilh mats or other protectiou t bring up the heat. As soon as heated thoroughly, cover with a few inches ol old bot bed manure, preserved from scasou to season, or other rich compost and a few iaches on top,
with light loamy soil, sufficiently ricll, yet open-ou which to sow the seeds. Allow the wholc to remain a few days till the undue heat nd steam pass off. Care should be talken in without judgment

Stook-Raising in Illinols.-Stock-raising in Illinois has grown to enormous proportions This state furnishes New York with more liv stock than all the other states combined. Dur ing 1866 the total number of cattle received a New York was 298,882 . Of this number, it is stated upou reliable authority, 165,287 were received from Illinois alone. The aggregate alue of all this live stock was $\$ 33,223,72312$, aud of the shipments from the state were $\$ 18$, 373,302 62. This exhibit gives a glimpse of the gigantic proportions ol Illinois agriculture.

Greasing Boots and Breutes.-Two things
e have learned by loug practice and persoual experience. Oue is that snow water will soak hrough best boot leather when no other water will. The other item is that purc, neats-foot in, two or three times applied, and well warm ed in, will more effectually fence out water,
make dry feet, soften aud preserve leather beter than any other applicatiou we have eve ried. The same material is equally efficient and as valuable for greasing the hoofs and boot egs of norses during the slumpy, slushy weathof our winter thaws; applied with a sponge, nd well rubbed in, to the legs of a horse, say and inconveniences, making his feet and legs quite as comfortable as we fiud our own with in a dry, well oiled boot. Please experiment and believe.

To Purohasers of Seeds.-The importance using good seeds, for the field and garden, s understood by all persons engaged in larmgig or horticulture. Yet the market is full of oor seed, generally left on commission, with parties not making the seed business a special-

We therefore take pleasure in recomulendng the following named firms, as being first class and reliable : - Messrs. Henry A. Dreer ; D. Landreth \& Son; Collins, Alderson \& Co. C. B. Rogers; Louis Tourny, aud William Hacker, Pliladelphia; Messrs. IIenderson \& Fleming, New York, and B. K. Bliss, Spring field, Mass.

## BLACKBERRY CULTURE.

Wimin reasonable reach of such markets verry culture maty be made to pay, on an ther berrics in cultivation. Six hundred and fify dollars lave been realized froun a single cre in one season. That was an extraordiuary exception to the general rule, however.--which we consider the Kittalinny-well atnded, and properly cultivated, being brought airly into beariug, may be made to net $\leqslant 300$ per acre.
It with the blackbery however, as rvith y ; and branches of agriculturat indu dicious managemeut pay best. Neglect, ovenliness and scrimping manurial supplies, conteupt. We saw a fair sample of the slow ort of blackiberry culture, quite receutly.d in rows six fect apart; the surface grown nto grass that will prubably afford tirst class pastnrage in Spring and Summer; and the jority of the superannuated ones, lying all ovel hrosh heap-seare ground like a blowh-about ug up for next Summer's service.
It won't do, geutlemeu! Such blackberry culture as that, will never pay. Better pursue rise before yourself and berries all "come to rief " together.
The course of culture that we should have pursued with that blackberry field, or any ther, wonld have been to set the plants ive, instead of six, fcet apart; having the soil well enriched, in lirst rate tilth, and entirely free from grass and weeds. Then, along the apart, set firmly into the ground leugths of cheap) two inch hemlock plank, a foot wide, set square across the rows. Then streteh and secure to the edyes of these plank-posts, small
wires-lour in number-the lower one, say eighteen inches from the ground, and the others or rellis, if you please, along either side of

Growing up within these wire tences the anes are preventel from falling down and obtructing the passages; and their heads being clipped hack with shears, they are induced to more stout, stocky growth, more prolific bcaring, and earher ripeniug of fruit. The spaecs between the rows we would keep well cultivated, and made to pay by planting along the centre a row of either carly peas or potatoes, o be followed by cabbages after the berry blackberry culture a first-class paying bnsiness. We know this lrom sereral years consecutive

## PEACH PROSPECTS IN MARYLAND.

In answer to your question about the prospect of the peach crop, the present year, I re ply, that in this neighborhood thave examined to others, and fiud the trees well set with fruit buds; and in not a single instance have I ound a bud injured by the frost of the past winter. We have had one of the most favorabe winters for fruit, thus far, for many years; and if we should have no late liosts, we ehall, probably, have an abundance of peaches the coming Summer.
Yours respectfully;
Brick Mrecting House, Mdd., Fcb. 2sth, 186 .
Atmospuerio Influenoe.-The contribuion of J. S. Liplincott, in this issue of the Farm and Fireside, showing the atmospheric miluence on the Grapc, is an article of great ralue. The author has made the atmosphere study; and if his ideas are considered with the importance they deserve, heneficial results will follow-not only in the cultivation of the Grape, but other fruits, in all sections of the country. We are pleased to announce Mr.
Lippiscott as a regular contributor to our

Frivesite 賏eadings.
THE OLD COUNTRY WIFE.
Wrapt in the giden woof
Of her contented ilie,
Under the olden roof,
Sist he old eourty
Sirse
opases of memory nere,
 Thus from the morning balm
Till evening's purple calm, Cominng nis She cheerily sitteth,
And merily And merrily knitteth,
$\qquad$ calm light of the $f$
She
She sings a defiance,
With glad songs of yore,
To the surrows of science,
The sad things of lore, The sad thingss of loree,
Her hopes, her reliance, Her hopes, her reliance
Are not in their store, In the search of neo
She is not bentShe is not bent-
Iler wisdom, her kn
Simple content 1 Simple content 1
With ber statiou conten
when When content sle has trod-
With her Bible content With her Bible content,
And content with ber God!
ning uld memories $0^{\circ}$ er and $\phi^{\prime}$ er Contentedy sitting,
And merrily kniting
She hasks in the light of th
Ah hitle she knows
of the world and its woes;
of its follies and fashion,
Of the world and its woes;
of itf folies and fashion,
of the hleak storms of passion, Thc phantom of Gain,
As se staksed through the land, She sought not to clasp; So she felt not the grasp Of rude Ruin's skeleton
But the quiet within, Undisturbed hy the din

Sakes glad the dim light of the farm-honse door Where she cheerily sitteth, And merrily knitteth
Conn!ng old memories o'er
Thus calmuly her life
Free from sorrow and strife,
Hath spun out Its quiet thread; And thus hath she knit;

Fond loves of the liring and dead, And though old age hath silvcred
Her head, and hewildered Her thoughts of the dim days of yore;
Yet, conning old memuries ofer and She chcerily sitteth,
And merrily kuilteth,


## SHOOTING HOGS IN THE GARDEN

Something like a quarter of a century ago, the then youthtul Henry Ward Beecher commenced the practice of preachiug and hortieul ture in the then young city of Indianapolis, tne capsital of the Hoosier State. In a recent letter to the cditor of the Farmer at Indianapo lis, the now famous preacher indulges in a few reminiscences of his early litc, from which we
extract the following items of garden cxperience:

I was too poor to hire much labor, and theretoro my own gardener, and, heing an enthusiast, I alwuys planned twice as much work as I could possibly perform well, and so, my gardeu was not very trim and clean. But thiugs grow well in it, and that satisfied me. It blight has not done the work of death, therc ought to be some pear trees now in their glory which I planted with my own hands. In some sense, my garden was a missionary work. The whole city was given over to politics and moneymaking. I remember but two enthusiasts for Rowcrs-Dr. Mears and old Mrs. Bobbs. I
lived to see a vcry geueral taste spring up for gardcning, in part from the education and growing refinement of the city through its excellent schools, and I hope also in some small measure from my lahors. Daring my residence in Indiauapolis, everybody kept pigs, and cverybody

Kept them in the strect. Governor Noble presented me with a pair, and in two vears I found mysclf the owner of a herd of some thirty "children of the street," and of not good conduct. Their skill in opening gates, digging into a field under the rails, or squeezing through them, went far to convince me of the reasoning power of pigs.
My slow and wearisome labors were provokingly neutralized by a cunning old sow, who about twice a week, wonld get in, in spite of nails and springs, latehes and hinges. The hills made a night excursiou dangerous to me, yet one midnight I heard her cating and sunaeking her clops, and could endure it no longer. I seized my guu, omitted formalities of toilet, and dashed out after lier: A way she scampered down the garden, and away went I down the central alley to be ready for ber return. She stopped, and I stopped. I could see nothing, hear notbing, and it began to strike me that I had rather the worst of it, and only nceded a spectator to appear decidedly ridiculous. Just then, witb a bark, she dashed hy me on the left. I took aim with my ear, and let off in succession hoth barrels. The squeal which each evoked was music to me. She left the garden and never returned; nor do I recollect afterwards to have met her on the street."

## UNHAPPY MARRIAGES AMONG MEN OF GENIUS

The rare concurrence of genius with domes tic comfort is perfectly awful. Take Dante, the exile, who left his wife never wishing to see ber more; itake Tasso, wifeless; Petrarch, Ariosto, wifeless; Milton, thrice married, but only once with much comfort ; Dryden, wedded, like Addison, to a title and discord; Young lived alone till past fifty; Swift's marriage is no marriage ; Sterne's, Churchill's, Coleridge's marriages, broken and unhappy. Then we have a set of celihates-Herriek, Cowley, Pope, Thomson, Prior, Gay, Shenstone, Gray, Akensidc, Goldsmith, Cullius, Cowper, and I know not how many more of our best poets Johnson had a wife, loved and soon lost her. It is almost enough to make women tremble at the idea of allying themseives to geuius, or giving hirtb to it. Take the philosophersBaeon, like his famous legail adversary, Coke, seems to have cajoyed little domestic comfort, and speaks, for, as he says, "certaiu grave reasons," disapprovingly of his partner. Our metaphysiciaus - Hohbes, Locke, Beuthan, Butler-are as solitary as Spiuosa and Kant. The eelibate philosopher Hume conducts us to the other great bacbelor historians, Gibhon and BLacaulay, as Bishop Butler does to some of the princes of Euglisb divinity-Hooker cajoled into marrying a shrew. Cullinworth unmarried, Hammond unmartied, Leighton unmarried, Barrow also siugle. I only take foremost men; tbe list might he swelled with most mell; tbe list might he sw
monarchs and generals in marriage.

## WEBSTER'S MOST IMPORTANT THOUGHT.

A correspondent ot the Rochester American adds the following to the host of anecdotes of he great statesman
When Daniel Webster was Secretary of State he wrote to one of the proprietors of the Astor House in New York, saying that he would reach that house on such a day, and begged that some of his friends should he iuited to dine with him the same evening.
There werc about twenty or so at the table, and Mr. Wehster secmed wearied by his travel and speaking hut little, if at all, pluuged iuto a darksome sort of reverie, not well ealculated to enliven his friends. This at length became so apparent, and the situation of all so unpleasant, that one of the company urged upon very distinguished man present-a warm riend of Webster-to get him into conversaion. He needed to he jogged to become as This friend wished.
This friend consented and spoke aloud to Mr. Welster, asking him some questions that, in ordinary circumstances and with ordinary men, would have led to conversation, but it tailed in the present case. Tue dark Secretary of State merely answered simply, and crept into his cave again.
ure, was urged to renew the attcmpt to dray "Mr. We He summoned conage his cave, I want you to tell ine what was the most important thonght that ever occupied your mind." Here was a thumper for him, and so everybody thought at the table. Mr . Webster slowly passed his hand over his forehead, and in a low tonc said to a frieud near him: "Is
know me?"
"No, sir, they all know you-all are your friends."
Then he looked over the table, and you may imagine how the tones of his voice would be on such an occasion, giving answer to such question.

The most important thought that ever oc eupied my mind," said he, "was that of my individual responsibility to God!" Upon which, for twenty minutes, he spoke to them there; and when he had finisked he got up from the table aud retired to his room, and they, without a word, went iuto an adjacent
parlor, and when they had gathered there, some parlor, and when they had gathered there, some
one exelaimed, "Who cver heard of anythiug like that!"
What Mr. Webster said in advocacy of his sublime thought, I do not know. No onc ha ever repeated it, aud I presume no one can.

## HOUSEHOLD HINTS.

Wood ashes aud common salt wet witb water will stop the cracks of a stove, and prevent the smoke from escaping.
Stir Poland starch with a common candle and it will not stick to the iron, and it will be much nicer.
Alum or vinegar is good to set colors of red, green, or yellow.
Sul soda will hleach very white; one spoonful is euough for a kettle of clothes.
Save your suds for garden plants, or for gar den yards, when saudy.
Wash your tea trays with cold suds, polish with a little flour, and rub with a dry cluth.
Frozen potatoes make more starch thau fresh nes; they also make niee eake.
A hot shovel beld over varnished furniture ill take out the white spots
A bit of glue dissolved iu skim milk and waer will restore old crape.
Rihbons of any kind should be washed in old soap suds, and not riused.
If your flat-irons are rough, rub them with ine salt, and it will make them smooth
Oat straw is the hest for filliug heds; should he changed once a year.
It you are buying a carpet for durahility, choose small tigures.
A bit of soap ruhbed on the hinges of doors will prevent their creaking.
Scoteh snuff put in holes wbere crikets come out will destroy them.
A gallon of strong lyc put iu a barrel of hard water will make it as soft as rain water.
Half a cranverry on a corn will soon kill it Always nuend clothing before washing.

A Peril which threatens our social system, is an aristoeraey of wealtb. The respect paid to money, the indulgence granted to money, the exclusiveness clained by money, no matter how it is obtained or low used, no matter whether it be or he not accompauied hy intelligence or eharacter, is an increasing evil of the times. The impression is getting to be com mon that riches will purchase deference, ser vicc and cxemption from censurc, no matter how their possessors conduct themselves,
Hence the lust of gain, taking evcry form of rambling and rash speculation; and hence the assumption of superiority by many, their pretensions as leaders in society, based on no personal merit, but only on the fact that they are owners of large funds, or in the eujoyment of large ineomes. The domination of ignorant opulence, the demoralizing influence of uninstructed and vieious wealtb, are imminently dangerous, in a tree country, especially. Nowhere, therefore, more thau in a democracy, does the fact need to he dwelt upon that the riches whieh tempt people to put on airs, spurn restraints, and yield themselves up to selfish
of true manbood or true womanhood. Money is casily won and lost in this land of large esources; and the winning and losing of it is often owing to circumstances, rather than to any qualities of mind or heart deserving re spect. Moreover, if he who calls millions his own will only earefully examine, and see how much he owes to agencies and opportunities he neither created nor controlled, and how much Heaven must do for him before he cau manage a single dollar of his treasures, he will lear hat most of his demands for the deterence of his fellow men are false pretences; that he laims for himsclf' the regard due to the Provi dence which has favored him-meaning to make of him a steward of its bounty, as well as conier upon him the means of liheral living in a word, wealth should, among us. bave per onal worth to back it, and be attended by pe onal modesty, before it cleserves any distin guishing consideration.

## THE FUTURE EMPEROR OF FRANCE

Tae young Prince Napoleon Louis Jean Joseph was horn on the 15th of Marci, 1856, aud is therefore now drawiug toward the com pletion of his eleventh year: While still in Frms he was placed ou the master rolls of the French Imperial Guards, as a private in the regiment; for, as it was intended that he should receive a military education, aud afterwards assume a military command, it was designed, as a compliment to the army that he should, at least nominally, go through all the gradations of the service. When old enough to hegin to learn the military exercises, he was put through them witb other youths of his own age, and in this way he was taught the bears old.
By this time, too, he had been made a noncommissioned officer of his regiment, and he is now passing step hy step through the rarious grades toward the rank of colonel. But while special attention has been given to his military training, his education as a citizen has not heen negleeted. Besides the ordinary rudiments of instruction, he has reeeived lessons in two or three handicrafts, the last of which was the setting up of types in the imperial printing office of Paris, The ohject of this may have heen simply to extend his sphere of knowledge, and enlarge his views in after life ; but the ability to earn a living, like an ordin ary individual,' has before now proved a valua ble accomplishment for cven the heir to a throne. It will be remembered that a recent monarel of France, King Louis Phillippe, it exile in Switzerlaud, in early life, pursued for a time the calliug of a schoolmaster. The young Prince Imperial bears the reputation of heing intelligent, good tempered, and very much attached to his friends and chosen com panions.
Many anecdotes illustrating the qualities at trihuted to him from tiune to time found their Way into the public journals; but as anecdotes of royal children arc not generally very striking or very reliable, we need not repeat tbem here. In the eveut of the death of the Empe ror Napoleon IIL. before the Prince Imperial beeomes of age, it is arranged that the governmeut of the country shall be earried on for a time by a regency under the Empress, assisted by the Prince Napoleon, cousin of the Emperor. The last namied Prince represeuts the youngest male branch of the Bonaparte family, being descended from Jerome Bonaparte, who was for a time King of Westphalia. The branch from whieh the present Emperor an the Prince Imperial descend is that of Louis, third brother of the first Napoleon, and who married Hortense, a daughter of tbe Empress Jrisephine hy her first husband, M. de Beauharnais.

The Salmon Fisheries.-In Great Britain it is caleulated that a salnion represents a valu equivalent to that of a good-sized shecp, with out iunposing on any one the trouble of housing and feeding. Where proper means have been used to facilitate the propagation of the salmon the increase has heen very marked, the results in the case of the Seotch and Irish rivers Again the gentleman, frightened by his fail- caprices and impulses, are not necessarily proofs lhaving beeu most striking.

## Ithe fichat.

## VALUABLE EXPERIMENTS WITH POTATOES.

Dr. Inexamer, of New Castle, N. Y., furnishes us again with au aceount of some very important experimeuts of his with potatoes and also with the tatly of his erops redueed to hushels per acre for etelh sort. We shonld preface the specifieations of these results by stating that Dr. II. is an aceurate and scientific experimeuter and observer, aud a good furner His results lave a seientific value.
resulty of riperiments
. Ont of $\mathbf{7 0}$ hills of potatoes, peeled so that no cyes were visille, 35 grew. Some produeed very large potatozs. The plauted potit toes remained, mostly, hard and firm till dirging time.
2. Ost of so hills, pieces eut without eyes, hills grew. All of these sprouted on the ed surfaees, noue througla skiu. (One lirge potatoe, eut in two lengthiwise, sprouted on the cut side near, hut below the skin, and there was no sprout proceeding from a visilile eye.)
3. Oat of 100 whole potatoes, 98 grew from the suall end, and 2 at the side. With more thau hall the number of potatoes plauted whole, only one eye grew, the rest remaining dormant.
4. A potato does not always expend all ger minatiug power in one year.

We. rot and dry rint are one and the same disease. Potatoes affected with the rot, will rot dry wien they are kept dry, and the same will rot wet when they are kept in a moist place.
fieln of potatoes in $186 G$.
The following list is arranged in order of productiveness, aud gives the numher of years the seed las heen planted on the faru, aud the amount of assorted, marketalle potatoes:
 *


Geass Fields-How Long Can Trey be Croppen Without Manering? -This is certaiuly an iuportant question with us, where so many fields are annually cropped of their burden of grass and no return made to the soil, hut the produce earried from the farm aud slipped to western markets; after a few years of sueh cropping we find our fields "running out," as we terun it ; and no wonder, for, as the old adiage has it, "how cau we expect ti be continuully drawiug from the spigot if we
put nothing in at the bung?" Tirere is a great put nothing in at the bung? Sirere is a gee "holding out" for grass. Our rocky, rough uplands will uatutain their fertility, and produee auuually crops mueh longer than the lower, sandy, aud more frialle soils, whielh, if not top-dressed or eultivated every two years or so, will soon he non-producing. The faet, as regards the matter is, hay should never he sold from the faru, not at least until its equivalent is returned in some form of fertilizer. But it is annually doue; so we are brought to the consideration of the question at the head of this artiele.
We have just heen reading of a farmer in a Western State who has cut and sold hay from the same fields for fifteeu years without returuing any manure to his acres. But, it is added, that farmer never fed his fields; he never allowed the aftermath or second crop to he cut or fed off. Thereiu was the productive ness of his field. By cutting the grass early the seeond erop obtaiued a good growth before winter, and heing allowed to renain, aeted as a mulch and fertilizer to the roots during the eold, and decaying the next year was a good manure for plants. If the seeond erop had heen eut or fed off, we venture to say his field
would not have produced erops worth harvest ing for the half of fifteen years.

## IThe warlxets

WOONSOCKET RETAIL MARKET

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## BRIGHTON CATTLE MARKET.


 412.00a $* 11.08$
dressed beer.)

 72.25 each one week ang, and drate has been
ncchanged from Un last quotations.
 slores at this scasou of the year.
Working ©xen-Thiere is a good demaud for Workling oxen,

 the rancy
Suerr axit Lashs-The trade for sheep and lambs ba seen active, but there was not so larre a supply in market a


WEEKLY REVIEW OF THE NEW YORK Wholesale market.
wholesalc market duriag the past week. The demand has heen chleny connned to dimemitie trade. The busiaess done was ond Yasout one-forirth of the amount for thc corresponding perion fial loss to the producers.
Fh.orr has sold slowly, and under the anylety to reanize, the
low grades bave sgain declined. They are much depresed
 Stat at \&9 80@11 70 low grates; or Westera extra, \$9 50@
 has declined. Nuch or this four is of very siperior quallty, but
is not popular with bakers, as it itckes strength. Good extras Eells as $\$ 14$ Q 14 25. Southera
cents a harrel, and gold slowly.
Rxe FLootr has sold freely, and closes frm at $88 \times 10$ ¥ bb
 Wriat opened steady, but to efrect ssles bolders bad to sub
mit to a decline, and there is only a moderate demand at the
 disn, ¥3a3 30 ; whte Nichisan, $¥ 320.930$; amber State, $\$$ @3 38. The stock has been redinced about oun
Babley has heen more active, chieffy for export, and th



$\qquad$
Cons has been presed on the market, and un

less than was anticippated. We quote new mess at $\$ 2138$ 21 50 , and old mess at $\$ 200$ 50,
Bicoox has sodd dreell yply and prices are firm.
Bncox has sold freely at faul prices.
ncessed Hoos have adrioced, and with lich
WIterexy has
Corrox bas heen heclice and, and d 8 unsettled 2 t the close. pries were unfanorabale. At the elose the Earket tin firme Rio Corfer
tock 1 is manl.

## NEW York cattle market.

NEIV York, March 4.- BERF EATTLE Market opened wit
conaiderable fimaess but grew weak, aad at the close price tecliaed fully le, the market remalnlag dull and depressed a the decline ; prices
Recelpts 6130 bead
Surer-The market closed firm, prices baviag slightly do clined; sales at $7 / 3 / \mathrm{c}$ for commoa, and 9 t c for prime. Recelpt
17,709 bead. 17,709 bead.
Hofs-Sal
Hocs-Sales slo
Receipts $13,903$.

WESTERN PRODUCE PRICES.


## Harringes











## Beatlis

 In Mily yile , 4th last, Mrs. D.












Afluertisements.

## massachusetts.

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Pronuce ani commission merenants





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|  Or the hest and most refrible rarieltes, frown will espechal <br>  <br>  <br> Dlarch 9,1867 <br> :loorestowa, P . J . |  |
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The American Tea Company
the immense profits
TEATRADE
tue proprietors of the great american tea


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Adgucultural Chemistry

## NIGHT SOIL

## Written for the Farm and Fireside， ALEXANDER IIYDE，LEE，MA

Teebe is no question tbat manurc is tbe ba sis of good farming．Show us the farm with the largest piles of manure，and we will sbow you the farm with the largest crops．In the early settlcment of our country，the soil heing in an iuexbausted conditiou，our fathers did not rcalize the value of manure，and fell into slovenly habits iu its manulacture and preser vation，and the childreu very naturally hare
perpetuated tbese habits．With the altered condition of tbe soil，consequent upon long cnlture，tbe value of manure is more lighly appreciated；still，the majority of farmers fail in tbeir estimation of wh
We desire，in tbis article，to call attention to one source of mauure，which is，perliaps， privy vault．The neglect of this most valua－ ble source of supply arises partly from igno－ rance of its real worth and partly from the dis－ agreeable odor arisiug from handling it．Ott－ entimes the blessiugs nearest home are the most lightly csteemed．Wiile we are sending ships to the Pacific Ocean to bring back guano， the deposit of birds on the istands of that dis－ tant sea，we lighthly esteem the deposits in our own ben－bouses and privies．We send to New York to buy urate and poudrette，when we have material for the manufacture of the same articles on our owu premises．Urate is merely human urine in which gypsum has bcen mixed， the wbole allowed to stand aud ferment for a
few days，the liquid poured off aud the solid few days，the liquid poured off and the solid part dried．The：e is no question of the value of manufacture is a wasteful one，as the gyp sum does not absorb ail the ammonia genera－ ted in the fermentation，and the liquid portion， which is thrown away，must contain many valuable salts iu solution．Iu the neightor－ hood of our large cities，the solid excrements from the privies are dried，aud mixed with soine deodorizing substance，and sold uuder the name of poadrette．Oi its great value，all who
have used it arce willing to bear testimony．－ ${ }^{3} x^{2}$ in the process ot inanutacturc tbere is Waste of valuable gases and opportunity for adalteration．Why not mauufacture our owu
urate and poudrette？We siall then know wbat we have aud save niue－tentbs of tbe ex pens．The uriue ot a man is estimated to be one thousand pounds a year，atd its composi tion is

Sulymide of citasi．．．．：

The area，apon which mainly depends tbe value of urine，is a white，salt－like substance， and contaius nearly fifty per cent．of nitrogen， and is therefore far richer than flesh，bloorl or any of the fertilizing substances so highly prized for their ammonia．The quantity of urime roided by a man is estimated to be tbe
same as that of a horse，and is much ricber in fertilizing material．Tre saviug of tbis would be a uational blessing；and the increased pro ducts arising from its careful preservation and appiication to the soil，would soon pay off our ly lost．In our large cities the great majority is carried off by sewers iuto the sea，and the land is robbed of a vast amount of fertilizing material．In fish，seaweed，etc．，we do not
get back one tithe of what we give．No won－ der the land is impoverisbed by the great tax thus willcssly paid the sea．In our villages and rural homes the case is not mucb better． The sea does not indeed swallow up tbe urea but in the great majority of cases，it is left to pollute the air；aud if nature was not mor provident tban unau，and with every rain and snow did not restore it to the earth，our land would be in a worse pligbt than it is．
The solid excrements found in our privies are more higily estcemed and more generally
used，bnt they are far from bemg ceonomically preserved or rightly valued．Tbose in ou cities also mostly go iuto the sea．Tbe Chi－ nese，whom we despise and ane scarcely wil ling to allow a foothold on our shores，can teach us soune lessons in saving manure from
this source．It is a little siugular that Eugland， with its great love of agriculture，should wast nigbt soil enougb from the city of London alone to manure highly more than a million of acres．Paris is more provilent，and its ar－ rangcments for saving the fecal matter are ex cellent．Tbe business is iutrusted to contract－ ors，whose daty it is to clean the vaults of al who apply to them．The business is done af ter 11 o＇clock at nigbt．The vehiclc iu whic the niglit soil is conveyed，is a large，tight cask wbieh is driven to the door and a long leather hose is carried to the vault，and the air being exhausted from the tube，the fecal mater，in a semi－liquid state，is passed through it direct！ to the cask，by atuospheric pressure．The carts are required to arrive at the general depo outside of the city，before daylight，where it i deodorized，dried and sold to the farmers．－ Near our large villages tbere is an abundance of this fecal matter which can be had for the mere hauliug，and were it fot for tbe stencl，it would be extensively used．This objection er keep near his privy a barrel of charcoal dust，gypsum，coal ashes，or even saud，and er cry day or two tbrow into the vault sufficien to absorb the efiluria．The eleanliuess of his premises will be promoted，and a compost will be made，which he will find little trouble iu re－ moving．No farmer of common sense will ob－ ject to removiug it，nor will be weed to take a smelling bottle wifin liim cither．The vault bould he so coustructed that no water can run in to dilute and leacb the night soil．An ordi－ hary tamily of six persons will cousume four or five barrels of flour and a thousand pounds of meat iu a year，and tbis highly nutritious food necessarily produces a fecal deposit of cx－ ceediug richness．Tbe more nutritious the food，the richer the deposit．It requires the avcrage product of an acre of wheat to supply flonr for an ordinary faunily，and the vanlt of such a family sbould furnisls sufficient manure， if rightly composted，to leeep an acre of land in gcod beart；for the rault receives not only the refuse of the acre of wbeat，but tbe refuse also of all the meat，vegetables and fruit con－ sumed iu the family．Bat in order to this the ammonia，sulphurated hydrogen and other gases，must be retained by some absorbent fre－ quently thrown iuto the vault，especially in the warm season，when fermentation goes on rapidly．We have found cbarcoal dust a cheap and excellent absorhent．In the ncighborhood of charcoal pits and furnaces it can be obtaiu－ ed for a trifie．Dry muek answers mucb the same purpose and is morc abtundant．What same purpose and is more abundant．What－ soil is too concentrated a manure to be applied to vegetation without great dilution：If it is to be used on a clay soil，nothing is better for composting it than dry sand，iu the proportion of three or four of sand to one of night soil．－ In these days of high prices for farm and gar－ den products，it is a shame to neglect this unate for New Eugland when the prejudice against the use of nigbt soil is overcome，and more systematic mode for its preservation is generally adopted．
March， 1867.

Grafting Wax－Solons－Tallow，rosin and eeswax mixed in coual parts，or with a latl nore tallow to make the wax soiltr，are tbe ugredients of groftiug wax．Melt tbem to rether aud then wor＇s it with the hands．Sci－ ons may be cut at any time in the Winter； they shouia be cuit belore the sap starts in the east．Keep tbem iu fine soil in the cellar till vanted for use

The Wild Grafses of tie West．－A Kan－ as correspondent of the New York Tribune says that wiid grasses improve in quality as one goes West．As far West as Colorado the dead grass is neariy as good as oats．In Kan sas some good farmers think tbe native grass as

Leatuer．－Curing Green Hides．－A great many butcbers，wool dealers，\＆cc．，are pur－ chasers of hides off the beef in the country
owns，and we often get from them inquirie as to the proper and most profitable metbod of curiug the hide and preparing it for the mar－ ket．A great mauy butchers do not use proper care in this branch，and the consequence is hat the hides will not pass city iuspection， owiug eutirely to the ignorance or carelessness of the person who prepared them for the mar－ et．The proper way to salt hides is to lay them out flat，flesh side up，and form a nearly square bech，say twelve by fiftcen feet，folding in the edges so as to make them lay out flat．－ Sprinkle the bide with two or tbree sbovelsfal of coarse salt，as the size may require－say for a sixty to eiglity pound lide，from ten to fif－ teen pouuds of salt．At any rate cover the hide well，as it need not be wasted；then let hem remain in this from fiftcen to twenty lays，after wbich take them up，slake the salt out，and use it again．－Shoe and Leatheri Re－

Protection to Roofs．－Shingled roofs soon cquire a furze，whicb operating as a sort of ram in wel weather，retans the water and t is like tinder，on whieb a spark falling from tbe chimney will suddenly set the roof on fire． To guard against botb of thes liabilties，take an opportunity just before a rain，to sprinkle a coating of air－slacked line all over the surtace of the roof．The rain and lime will remove tbe furze，making the surface clear and smooth， and the limewater，penetrating the shingle，wil preserve the wood for many years，if the prac tice is occasionally renewed．

Tmirty Years of Prosperity．－Tbe S．in Antonio（Texas）Express，speakiug of dry sea－ ons and crops，has the followiug ：
＂There is a tradition among the old settlers of this froutier that the seasons of prosperity n agriculture are periodicai．According to be tradition，there are ten years＇drouth out of every forty years．The section has just passed throngh more than ten years of musu－ al savere clrouth．We are about to enter thir－ y years of prosperity．Our farmers should be ＇setting their houses in order，＇fitting up their fences，preparatory to the fiue crops to come．

Tue Crops in Mississippi．－A private letter fom Camargo，Monroe county，Mississippi， ays：＂The farmers have not succeeded in etting half enough lahor to cultivate their farms，and the prospect is that the next crop will be much shorter than the last．

A Farmer＇s Toast．－At an agricultural din－ ner the following toast was given：＂The game of fortune．Sbuffe the cards as you will， pades must win．

Havertising 物epartment．
SheemWashTobaceo

HEEP，Ahonld be used by all Farmers on
se3rs This pure preparation has been successfully ysed for
years，and never thilisto produce the desired effect when nised
according to directions．
It will not injure tbs most delicate anlmal．
It till improve tbe Quality and Quantity of Wool． It kills T1CKS on Slueep．
It cures SCAB on Sbeep．
It cures all SKIN DISEASES on Animuls． It kills all VERMIN that infest Animals， E母＇For FOOT－ROT it is a sure
$C 8$ ONE POUND of tbis Extract will make TTWELVE GALLONS of Wasb，and contains the strength of EIGHT OUNDS of TObacco，as prepared by farmers．

> JAMES F.LEEIN, ${ }_{23}$ Central Fharf, Boston, Massacb



Rhode Island


## massachusetts

Rare and beautiful
B．K．bliss，
and Flower Seeds
Would insite attention to his large and well selected assor
ment of the abore，comprising the newest and most approve varieties，both of European and Home Productions，the quall illustrated seed catalogue and guine to thi flofer ann hitchen garden．






STRIPED LEAYED JAPANESE MAIZE

 green corn．
Pactertaining about 40 seeds， 25 cents．
Pricesto the trade，in bulk or in packets，will be given upor
application「ebrnary 23， 1867

Pemasylutania．

In these days of SHopprp，and bibl priced goods，every fami－
If in the couitry should hate one． half the cost
 FAPMERS
don＇t sell your wool and buy Sroonpr，when with one of these
Lnoms in ourr rouss the（GirIs an make ail the clotbing for



Als，Dealers in Cotton Warp．Wool and Flax Filling Yarns，
Redes．Uaraness and Loom fuidings generally．
March 2,1867 ．
p\＆w－tf

The Farm and Frmeside is devoted to Agriculture，Horticulture，Stock－Raising，Rural Arcbitecture，Market Intelligence，Litcrature and the Arts．It has a corps of agricultural writers of reputation，and the aim of the Publisher will be to make a jourual eminently practical，and of cerery－day ralue to its readers．The Literary Department is intended to instruct and amuse the farmer＇s better half and his children．Nothing will be published offensive to good morals．In all its columns tbis journal will adrocate the best interests of tbe farm and fireside．Terms $-\$ 2,00$ per year，in advance．Single copy 5 cents．

enteren accorming to act of congress, in the tear 1867, by s. s. foss, an the clerk's office of the distriet court for rhode island.


THE CONESTOGA HORSE.
We present above as perfeet a picture as We present above as perfect a picture as
an me made of as good a speeimen of this famons Pennsylvania Horse as the country affords. He is a noble animal, and handsome, too-not symmetrieally beautiful, certainly, as a turf animal, or member of a faney stud: But making utility the standard of good looks, the "Conestoga" is maquestionably a very fiuc lookiug animal. The artists-hoth designer ond encraver-have been unnsnally happy iu presenting his servieahle points so elearly.Any one laving a respectable knowledge of our next best friend in the animal family, will be able at a glanee to pronounce upon the good qualities of suel an animal as our engraving presents. Evidenec of endurance, docility, great strength and intelligenec, are patent in every prominent feature; sbowing tbe animal to be very nearly perfeet as a roadster, and uusnrpassed as a dranght or farm horsc. We have beard those who "talked horse" glibly enough, and who professed to know all of equine ethies and ceonomy that need he known, speak of the "Conestoga" as heing of ${ }^{2}$ partieular brecd or strain, having a gencalogieal tree, and aneestral line, as the Eelipse, Duroe, Black Hawk animals; and perhaps three-fourths of those wbo aetually own, and bave been familiar with Conestoga borses all their lives, believe that they are descended throngb a long line of aneestors from a famous sire wbo bore the name of Conestoga. This popular opinion is an crror-of no very grave importance, ecrtainly, but one that it were as well, perbaps, to correet, in view of the faet that first elass "Conestoga" borses can he at any time manufactured in a great many other sections of the United States, at any tine, and
just as good horses as were ever born and bred in Laneaster eounty, Pemusylvania.
The original animals of this name lad many makers, and were improved throngl many equine geuerations before they eame to be known as Conestogas; wbieb, after all, is only colloquial provineialism, attaclied to the animals from a particular territory; mueh in the manner that all flour coming into Baltimore, and passing inspeetion in Howard Street, beeomes arhitrarily "Howard Street Fhour:" or the coffee sent from six Brazilian provinees to be shipped from Rio de Janeiro, becomes, per re, Rio coffec.
The early inhahitants of tbat region of Penn sylvania lying along the Conestoga river, now within the limits of Laneaster county, having long distanees, over rough, rugged roads, to go to inill and market, fouud that horses something considerally hetter than the medioere reed of animals whieh they liad ariginally obtaiued from the older setllements in Delaware, were becoming, and unquestionathly going to continue for an indefinite period, an arbitrary neeessity of their seetion of country. So the "Conestogans," as the first settlers of that seetion of Pennsylvania werc ealled, being enter prising, and inteligent beyond their snrrounding neighbors-a ebaraeteristie, hy-the-by, tha holds good in their descendants-set abont with sueb means as they had at eommand, to acbieve tbe animal their wants demanded. A tbey had no blooded tborough breds or eciebrated English sires, and Flanders diams to resort to, they substituted the best domestic material they bad, with such suceess that in the course of a few years there came into commo nse not only in Lancaster county, but through out.a large portion of middle and eastern

Pennsylvania, a beticr elass of road and heary drauglit farm horses than conld bave been obtained from the best imported animals.

As, howerer, tbe aucestry of the improved "Conestoga" was in notling superior to the ordinary farm stock of Dela ware, and tbe lower portions of Penusylvania, otber means than mere breeding from tbe lest they had among bem had to be resorted to, in order to bring up the equine standard to what they required. These were better bousiug, feeding aud care, and a more thorough system of traming for tbe serviec required, than onr cearly Ameriean armers elsewhere were in the hathit of practieing with their farm horses. So universal he came the rule of comfort, cleanliness, kindness, waran stabling, and judicious and liheral feeding with the setters among whom the Conestoga originated, that the man who failed o follow the prevailing fashion, and in any manner misused, or neglected his borses, incritably lost easte in the community, and hecame a moral and soeinl ont-law. Muel of chis commencable spirit of kindness to tbeir cattle bas been ạ elaraeteristie of a large class of Laneaster eointy farmers ever sinee, down o the present lay:
As time passed, the eountry hecame settled westward, its resourees heenme rapidy dereloped, and intereourse between the then distant points demanded that means of transit more expeditious than the primitive Pennsylvania four and six horse team, and heary eanvas eovered wagon, looming up along the road like a first-class sloop of war, should be called into rectuisition. So publie spirit inaugurated turnpikes; Government established post routes, and private enternise put on mail
aud passenger eoaebes to traverse the eountry at the rate of eight miles an hour

Tbe Conestogas will never do for sueb specd as these mail routes require," said the Laneasterians, so they set about quiekening their gait hy hreeding their mares with lighter huilt, imported horses. Faster travellers being the intention, tbe ohject was attained, but at the expense of cuduranee, strength and somehiug of doeility.
In the rapid marelt of progress the iron borse superseded post coaches, and the aneient, lumbering six horse teams; so that the seeond rerised elition of "Conestogas," went out of demand and gradually ont of existence; learing of the carlier, and for all draught and farm purposes, the far hetter, elder race, fewer number than the aetual wants of the comnunily requirect.
Although we frequently eome upou genuine Conestogas," in all sections of Penuylvania, oflenest cast of tbe Allegbanies, and ten times during a hnsy day we may eome in contact with a uohle horse, bearing all the better points of a real Conestoga, dragring a heavily loaded dray through the streets of Pbiladelphia, New York or Boston ; yet the race is gradually disappearing under tbe influence of a mania -it is little better-for ligitter, livelier, higher priced faney balf and quarter breeds; well cnough for show on fashionable drives, but ineapable of a titbe of the real service rendered by the fine, nohle Conestogas, whicb so many farmers are foolisbly disearding. We are glad to learn, however, from a visit to the region where these superior animals originated, that there, in a large majority of instances, be "Conestoga" is still a great tavorite with praetieal, intelligent farmers

## Warticulture

## RHODE ISLAND HORTICULTURAL SOCIETY

The Society met on Wednesday eveniug 6th iust., at their room iu Providence, Vic President Patteniu the chair. The attendanc was large.
Mr. Thomas Hauny, gardener of ex-Goverit
Jas. Y. Smith, exhihited a splended azali in pot aud bloom, and received a premium of $\$ 2$.

Ir. George Nichols placed upon the table a pruuis seuensis abla, in bloom; this is oue of the hardy out-door shrubs, the flowers compact and double and as white as the rirgin snow; it blooms as freely as the flowering al mond, and is a great acquisition to hardy shrubs. The comunittee awarded it a premi

Mr. Charles Wright, gardener to George W. Chapin, Esq., eontrihuted as usual a large collection of eut flowers and potted plants, and was arrarded $\$ 3$ in premiums.

Mr. Wm. Dexter, of Scituate, presented dish of R. I. Baldwin apples.
Rev. Sidney Dean preseuted to the Society" Library, "Henderson's Gardening tor Profit," and upon motiou a vote of thanks was given to the donor
Mr. S. F. Peckham distributed amoug the nembers a package of California cucumber Dr. J. B. Chapin, for the committee on nomiuations, presented a list of uanes for the executive, plants and flowers, fruit, and vegetable eommittees, and upon motion the repo

## The following gentleman were admitted

 membershipCharles P. Harisborn, William H. Wood, William Hoffman,
Willie A. Arnold, W. C. Simmons, J., navid Lester, Charles
MleCoy, J. Wr. Lewis, C. N. Harrington, Henry C. DeWitt, Edwin Turner, Walter S. Burges, George L. Nason, Job Nawiey,
L. H. Edy, William Mansir, Horace c. Burgess, Winiiam OO,
Rourke, Gorbam Thurber, Amos n. Smitb, 3d, John Metcalf,
Row Robert R. Knowles, William M. Rodman, Daniel A. Taylor,
Augustus H. Yreston, Goorge M. Carpenter, Benjamin F.
Tburston, S. P. Wordwell, William T. Bullock, Milliam J. Clark, Tourston, S. Y. Woruwel, Willam T. Bullock, William J. Clark,
Jobn W. Nichois, Walter Wilson, John P. Barney, Amos L
Greene, J. S. Simmons, Walter S. Brownell, James R. Gram

Mr. C. V. Kennon, moved tlat a eommittee of five he appointed to report at the next meet ing, upon the snbject of huilding a Hortienltural Hall, and supported the resolution with much clearness, upon the manner and node
and necessity of proriding for the soeiety a and necessity of providing for the soeiety
butilding that will he eminently worthy of Fior and Pomena.
Mr. J, E. Lester referred to the difficnlities that nsnally beset Horticnltural Societies. He eould see no good reason why this Society
should not take immediate steps in the proposed work. Our Philadelphia friends had just erected a noble trihute to Flora; the Bos ton horticulturists had also built up a worthy monument, the seal of devotion to horticultu ral interest, and he hoped the good work wonld go on.

Messrs. Braytou, Patten and others partici pated in the discussion, and the following com mittee was appointed, with instructions to re Smith, Royal C. Taft, Dr: J. B. Chapin, Clif Smith, Royal C. Taft, Dr: J.
ton A. Hall and W. S. Patten.

Upon motion of Mr. D. F. Lymon, it was roted that the society hold an exhinition in June ncxt,

$$
\begin{aligned}
& \text { For Frilt, } \\
& \text { For Vegeta }
\end{aligned}
$$

Upon motion of Dr. Channing, the Societ added Messrs. C. V. Kennon and Charles F. Phillips to the committee for reporting premi nms, with instructions to report at the next
meeting.

Mr. Brayton moved that the committee on
cvising the bye-laws, report at the next meetrevising the bye
ing. Adopted.

The Treasurer, Mr. Godding, was instructed to discontinne and pay all publications subscrihed for by the Soeiety except the Farm and Fireside.

HILL Colture of strawberrirs.
A quaint old friend used to remark to us that "the best way to do a thiug was good as auy." We have long been satisfied that this wotid appiy to strawberry raising, and that what is termed hill eultivation, in counection with keeping he rumners closely cut oft, is the nost profitable, even for extended market culture. The crop is so much larger and the berries so much finer, that they more than repay the additiona labor. Among the largest and most enterprising marketers in the country, is A. M. Purdy of South Beud, Ind. He says: "We have heretofore strongly advocated the matted row system, but after careful and practical comparisons, we are satisfied that the hill method s the best, one year after another. The fruit verage double the size-the crop double, and n most soils, with less labor. Iu hills they form such strong, hushy tops that the fruit and
hlossom are protected from severe late spring hlossom are protected from severe late spring
trests. Last spring we had a late frost in May, that nearly ruiued our plantations that grew in mated rows, while those grown in lills were bnt slightly damaged, and yieldel a very heavy crop. Another reason is, that the heavy tops mat dowu around the crown in the winter, and protect it from the action of the frost, while
those grown in the matted row form bat smal tops and are uot thus proteeted. Agaiu, if the ground should be weedy, they are attended t with much less work and care than if allowe to throw out runuers. The work can nearly all be done with the hoe and cultivator, wbile if in matted rows, it has to be done with the fiugers, which is very laborious iudeed." H adds that the only case in which the matted row method is admissable, is where the land is quite frec from weeds aud is not liable to severe frost in winter or spring, and while all varietics
do better when in hills, some will not suceee iu any other way. As som as the hilis are through bearing, rotted nanure or compost is plowed or spaded deep between the rows, an in addition to cutting off all the runners that are starting, the entire top of the plant is taken
off elose to the crown. This is deemed very essential-preventing the plant from remainin in a dormant state for weeks, and causing ne roots to be thrown out immediately, and making a large mass of stool hy autumn. The matted or alternate row system here formerly practiced was described in some of our former volumes, and eonsists in keeping the rows clean after they are set out, and traiuing the runner along the row so that they ultimately form thiek mass in a strip about a foot or a foot and them before freezing and they are worked an cnltivated with the fork in spring. After fruit ng, these rows are again dressed down to ahon ix inches in width, and treated as before for nother year's bearing; or else they are allowed to fill with new plants the spaces between the
rows, after whieh the old rows are plowed or rows, after whieh the old rows are plowed o
shaded in-snecession of new plants heing thn obtained withont the labor of setting ont is hand.
When the plants are placed in hills at equal listances each way, the runners may be cut off at little or no cost by means of a sharp wheel attached to the side of the cultivator A more perfect mode, however, is to do the work by hand with sheep-shears-by the use o which a ready and practiced man will go ove e applied to rows which are cultivated only one way.

## THE UTILITY OF FLOWERS

## 

Trere is a class of men who would pare lown everything to the mere grade of utility, rho think it the height of wisdom to ask, when one manifests an enthnsiasm in the culture of
flowers, "of what nse are they?" With such we have no sympathy. We will not say with the late Henry Coleman, in case snch an interrogatory being pnt to us, that "our first impulse is to look under his hat, and see the length of his ars," but we are always inclined in such cases to thank God that our tastes do not correspond with theirs. "Better" (say these ultra utili-
things useful aud needed to sustain life, than employ it ou things, which, like flowers, are intended only to look at and please the eye. But why,' would we ask, 'why should not th eye be pleased ?' What pleasures more pure
more warming to the heart, more improving to the miud, more chasteuing to the affections than those which conve throngh the eye Where morc luminously displayed the per fections of the Creator, than in the star span gled heavens above, and the flower spangle earill beneath?

## 

Nonsense,-sheer nonsense to tell us it is use ess to cultivate Howers. They add to the
harms of our homes, reuderiug theu more ttractive aud beautiful, and they multiply and strengthen the domestie ties whieh biuds us to them. We would not adroeate the cultivation of flowers to the neglect of more necessary obect. Atrending to the one, does not involv neglect of the other. Every man engaged in
the culture of the carth, ean find time to em bellish his premises who has the will to do it and we pity the family of the man who has uot "Rob the earth of its flowers, the wondrous meehanism of the Almightly, and we should se the choieest mementoes left us that it. w once a paradise."-Breck's New Book of Fion

## TRANSPLANTING IN THE NIGHT.

A friend, in whose powers of ohservation e have confideuce, and who is an exact experimeuter, informs us that last Spring and Summer he unade the following experimeuts : He transplanted ten cherry trees while iu blos om, conmeucing at 4 o'eloek in the afternoou, and transplanting oue each hour, tuntil one in the morning. Those transplanted during dayight shed their blossoms, producing little or no fruit, while those plauted duriug the darket portions maiutained their condition fully. He id the same with ten dwarf pear trees, after the fruit was one-third growu. Those transransplanted dnring the night, perfeeted theit erop, and showed no injury from having been removed. With eaeh of these trees he removed some earth with the roots. We are well ware that when plauts are accideutally frozen in green houses, it is customary to render the house dark before applying cold water to thaw them, and that when this is not obserred, they are injured, while if entire darkness be secured during the operation, many of themare saved, But the experiment of onr friend scems to have hut little analogy to this fact, and it is entirely new to us. - Working Fit'mer

Proning Pear Trees.-In pruning rey onng pear trees, the object should be to en courage the growth of wood, in proper direcions. The form in which the tree is to be rained is to be first decided upon. For walls and espaliers the horizontal disposition of the branehes is the best ; therefore, it the tree be a maiden plant, it must be headed back to the three buds best situated for producing a horiontal branch on each side, whilst the third, or uppermost, is tmrned npright. If the tree is y year older, and has been treated as above in the former season, the upright has to be cut one foot, or four courses of brieks higher than it was formerly. Sometimes a little deriation will be found necessary on aecount of the buds; but generally the upright should be ent immediately above that bud which is nearest the line of brick work along which it is desira ble the horizontals shonld be trained. The buds to produce the latter will of course be situated below that line; it is proper they should be so, in order that the shoots may grow divcrging npwards a little way before they take a strictly horizontal direction. These directions trith regard to the managennent of the npright leading shoot are applicable every ycar until it be finally stopped on reaehing the top of the wall or espalier. If the horizonta shoots be weak it will be adrisable to shorten them about one-third.

Tie Michigan Senate has passed abill appro priating $\$ 20,000$ for a building to be nsed loy

## The 玝arse.

Davger of a Fast Horse.-Tie Rural New Yorker states the following case, to eufore some sensible advice to farmers, suggested, we presume, by the "display of horses" which is ast becomiug the most attractive feature ur agricultural shows :
A well-to-do-farmer of our acquaintance ha the misfortune to rear a really fine, fast horse The action of the animal gave him great delight, and nothing would do hut an exhibition of him amoug the professionals. He put np his money and won. This gave a higher flight his ambition, and indueed a bolder operation. Success again rewarded his venture. He negected his farm, imperceptihly acquired habits o which he had before heen a stranger, and spurred on by past success and the machiuaions of the crafty, whose aim it isto fleece the green and unwary, placed his farm in jeopardy for the purpose of raising money to stake on he result of a raee iu which his pet horse was $0^{\circ}$ contend for the prize and the mastery. The professionals had uow got the over confident armer in the nrecise position desired, aud the result was what they intended it should be, the lefeat of the farmer's horse and the ruin of his owuer. The aniual changed hands aud so did the farm. It was all down-hill with the farmer after this. His family was hroken up and dispersed, while he, recklcss and maddened by disappointment and remorse, foutud a premature grave.
Swelled Legs in Horses.-Mauy horses are subject to swelled legs. In old horses it arises from congestion of the legs, which depends on the weakened action of the heart incident to old age. There is not much to be done for cases of this description. Auother elass of cases occurs in horses of a lymphatic temperament, and the exeitiug eauses are high feeding and waut of exereise. The horse's leg becomes swollen, hot and painful, and the horse goes lame on the affected liunb. The proper treatment for such eases is low diet and laxative medicine. In severe eases I have sometimes searified the affeeted leg, but this is only advisable in the early aud aeute stage of the attack. Half an ounce of uitrate of potash may he giveu once a fortnight to horses that are subject to swelled legs, and where it recurs fre quently, once a week. The swollen leg sometimes attains enormous climensions, aud the swelling may become permanent. I have seen a horse's legswollen nearly as thick as a man's body, and in one case which I examined after death from a different malady, I fonnd that the swelliug was produced by the effusion of lymph between the skin and, subjacent tissues -Dr. Murray in Western Rural.

The Scratches.-Jennings, in his book on The Horse and his Diseases," says of seratches:

This disease, called also cracked heels, gen erally arises from neglect, such as allowing the horse to stand in a filthy stall. It is generally confined to the hind feet, and consists in swelling of the skin, causing in it one or more transverse cracks, whieh diseliarge a saniou (thin serous and reddish) matterat times; while in other cases the parts arc almost dry, but scurfy.
For treatment, waslo well with soap and wa ter; take a shaving, or other soft brnsl, and make a lather of soap and water, with which mix a small quautity of powdered eharcoal ; ruh this well in the fetlock, and let it dry, after which it can be rubbed off. Two or threc ap plications are generally successful. The col lodion and eastor oil will also answer a good purpose; a physic ball slonld first be given.

Backing in the Stables.-A celebrated veterinarian says that if a person will stand or a few moments with his toes higher than his heels, the pain he will feel in the calves of his legs will explain to him the reason why horses that are tied in stalls, try to find the own level by standing across the stalls, hacking as far as the halter will permit. In many stables the floors slant considerable so as to throw off the urine, and the horse backs in order to find the ascent on the other side of the gntter:

Pometic rem.

## ONE BY ONE."

 Thefr travel-statned garments are all hata down,
And clothed in white ralment they rest on the mea Aht clothed Ln white erillment hiney rest

Before they rest they pass througb the estrife,
One by one One by one;
To some are the floods of the river still,
As they ford on thelr war to the tentit To they fors on their way the the henvent
Yet all reach the liome of the wild, wisficd
$\qquad$ One by one.
We can hear the nolse and dasil of the strem,
Now and agnin through our Ife's deep dream: Sometimes the fioods all ts banks o'erlo
Sometimes in ripples the small waves go,
small waves $g$
One by one.
Jesus, Redeener, we look to Thee,
One hy on
$\qquad$
The waves of the river are dark and cold,
We know not the spot where our feet may hotd Thou who didst pass through in deep midnlght,
Strengthen us, send us Thy staff and Thy light,

Plant Thou Thy feet heside as we tread,
One by one :
Let but Thy strong arma around us be twined,
Wee haval cast all our cares and feara to the wind.
Sasiourc Redcemer, he Thon in full ylew; Sarlour, Redcemer, he Thoul in full view,

## Fiveside Wiscellany.

## HOP CULTURE.

The ground intended for the bop yard sbonld be well mannred, then plonghed in April, drag ged and marked four feet each way; then with a hoe on every othei mark each way dig a hole about three inches deep, into which drop a bop root from three to six inches long; then cover with dirt to make it level. The root, if it does well, will throw up a spront from each joint. Every other bill on the hop row, and next low entire, ean be planted to corn or beans, as the hops do not require to be poled the first Summer. Every fall each hill of bops must bave two or three shovelfuls of manure put on it, to enrich the ground, and protect the roots from freezing. The following spring the manure must be pitched of from the hills, and the runners, if any, dng out and cut off, to prevent them from spreading all over the ground, and to preserve the hills in their places. There are but few rmn ners the first spring, bnt a plenty aflerwards.

After the runners are removed, tbe poles can be set, two to each hill, about one foot apart at the bottom, with the top spread far enough apart to prevent the vines from rumning from one pole to the other, and to make the tops of the poles in the yard an eqnal distance from eacb other. The next thing is to plough, commencing in the centre between the rows, and turning the furrows from the bill until yon get near enougb to eacb row, then turn and plough the other way; after that reverse the furrow, turning toward the bill; the rest can be done with the cultivator or hoe, keeping the ground clean and mellow.
Pnt the vines around the poles from right to left, and tie with the yarn ravelled from an old stocking. This is full of kinks and will streteh and not damage the vine as it grows. The bops are generally ready to pick tbe last of fifteen bundred ponnds is the yield per aere.

The American Watoh Company at Waltham, Mass., makes two hundred and fifty watches a day, and empioys seven hnndred persons, of whom one-third are women.

Cemistiantity was born in the beaven of truth and love; thercfore it sioops with a speccarth.

DESCRIPTION OF GOOD AND BAD MEATS. Evenr housckeeper or buyer sbouldbe famili:1r with Dr. Letheby's description of good and bad meats, as follows: Good meat is neither of a pale pinkish nor a deep pmrple tint. It has a marbled appearanee, from the ramifieafion of little rems of intercellular lat, and the fat of the internal organs especially is lirm, hard and suety, and is never wet, whereas that of diseased meat is solt and watery. The feel of healthy meat is somewhat elastic, and hardly moistens the finger. Diseased meat is soft ly moistens the finger. Diseased meat is soft
and wet. Good meat has but little odor, and and wet. Good meat has but little odor, and smells faint and cadarerous, Good meat bears cooking wilhout much slurinking or losing much of its wcight; but bad meat shrivels mp and boils to pieces; this is due to the larger propertion of watery and gelatinous material, and the absence of fat and true muscular suhstane in the meal. Under the microseope the fibre sloonld be clear and well defined, and free from infnsorial animalculæ; whilst that of diseased meat is sodden and tumid, as if it had heen soaked in water, the transverse streaks are indistinct and wide apart, and animatenle abound in it, Dr: Letheby's ofhcial station requires him to prevent the sale and consumption of unWholesome meat in the city of London. Were it not tbat tacility is offered by the salesmen for the detcction of fraud, his subordinates would be very much crippled in their operations, and it is gratifying to be able to acknowledge this fact. To snpply more than thre millions of people, about six hundred tons of meat are bronght to market daily, and nearly six hundred tons of meat unfit for consmmption bave been condenned and destroyed dnring the past six years. Mnch of this wonld have certainly produced serious disease in the community. Alloring six ounces a day to each person, it represents nearly, 600,000
meals, and at a rednced calculation, " we may fairly say," in the words of the London Lancet, "that nearly balf a million persons would be prevented eating diseased meat once by the labors of Dr. Letheby and bis inspectors in ons ycar.
Antidote for Poison.-A phain farmer says :
-"It is now more than twenty years since I learned that sweet oil would cure the bite of a rattlesnaie, not linowing it wonld cure other
kinc's of poison of any kind, both on man and beast. I think no farmer should be without a bottle of it in bis honse. The patient must take a spoonful of it internally, and batbe the cight times as much as it does for a man. Here let me tell of one of the most extreme cases of snake bites in this neighborhood, Eleven years ago this snmmer, where tbe case bad.been thirty days standing, and the patient bad been given up by the physieians, I heard of it, carried the oil and gave him one spoonfol, wbich effected a cure. It is an antidote in catule by eating too freely of fresh clover; It will cure the sting of bees, spiders or other insects, and will care persons who bave been poisoucd by a low running rine, growing in the meadows, called ivy."

Self Eduoation.-Costly apparatus and splendid cubinets have no magical power to is, under God, tbe master of bis own fortune, so is he the maker of bis own mind. The Creator has constituted the buman intellect that it ean grow only by its own action. Every man must thercfore, in an important sense, edneate elps; the work is his.

A Beattiful Idea. - An Indian philosopher being asked what were, according to his opinion, the two most beantiful things of the universe, answered, "Tbe starry beavens above
our beads, and the fecling of dnty in onr hearts."
Preserting Meat.-A correspondent of the Maine Farmer says "many a honsewife may be glad to know, when she bas a picee of fresh meat she wishes to keep a few days, that it
can be suecessfnlly done by placing it in a dish and covering it with buttermilk. I have prae tised the plan for years."

## PETRIFECTION.

Tree petrifection is is a process of fossiliza ion in whiel the original mold or cast of an liffering from the original body. Deposits on the surface of oljects are sometimes met with which are commonly ealled petrifections. A sample of this is the petrified moss at some o The mineral spmings in western Now York. around the plant. Another varicty is silicious deposits on moss, ferns, and other objects found near the hot springs of Iccland. Partial fossilization sometimes occurs, as in the case of the common clam for instance, which is olten found filled with mineral matter while the shell
remains intact. A true petrifaction is where remains intact. A true petrifaction is whel plant is replaced by mineral matter, Exam ples of this are petrificd paln trees wbich are etain all the fibers and cells in their origina form and minuteness, so that, when riewed lyy the microscope, the species of the tree ean be determined. Auother common case in point is the echinus, in chalk formations; its shell has been cbanged to calcspar, while its interior
has been filled with flint. The testaceous anihas been filled with flint. The testaceous anicarbonate of line in the construction of it shell, but wben life bas departed, the laws of crystallization resume their sway and the car bonate assmmes its original rhomboidal form. In tbe beautiful little shell, shaped like ram's horn, called the ammonite, iron pyrite is sometimes found. It is supposed the sulpour in the animal has united with iron and althougb the natural form of the bisulphide of ron is cubical, in this substitntion process it is orced to take the rhomboidal shape. In fossilization or petrifaction the organic matter
may be replaced by various minerals, such as may be replaced by various minerals, snch as gypsum, oxite o iron, phosphate of iron, sulphate of baryta, sulphate of strontia, silicate of copper, carbonate of lead, and fluor spar.

How Cold Affeots Us.-An English journal cites the British Registrar General as au thority for the statement that the recent sudden changes in temperature in London kllled four hundred and fifty-fise persons in one week. The mean temperature at Greenwich fell from 44 degrees in the week cnding on the 29 th of Deccmber last to 25.2 degrees in the first week f the present ycar, and the effect of the cold shown in the succeeding week by an increase in the deatls from 1,437 to 1,891. The Registrar says: "Fcw were directly frozen to death, the majority laving vital foree enough o struggle against the freezing cold, but not enough to prevent them from succumbing uner bionchitis and other affections." The reurns show that the power of resistiug cold i reatest at the age of full bodily developmen and least when the tidc of life is ebleing.
Et: Farr, in discussing the efleets of the cold weather of 1850 on the public bealth, came to he conclnsion that the power of cold varies accotding to definite laws. It was found by inas great under the age of 20 as the mortality at 20-40, but after that turning point the power of resisting cold decrcases every year, and men fro he gencral resull of five weeks' observalion it is stated that the "danger after 30 of dying of old is doubled every nine ycars of age;" that is to say, out of an eqnal popnlation, for one
death by eold at 30 there were two at 36 , four at 48 , eight at $5 \pi$, and so on

Bringe Crossisg. - "As I was going orer the bridge the other day," said a native of Erin, "I met Pat Hewins. Hewins," say̧s I, "how are ou?" "Pretty well, thank you, Donnelly," says he. "Donnelly," says I, "that's not my name." "Faith, then, no more is mine Hewins. So with that we looked at aicb other agin, "

Age for Breedivg.- A correspondent of he Ohio Farmer thinks a sow should not be allowed to breed until at least a year old. IHe thinks that nntil the boar and sow reach the ge of four or six ycars their progeny is better

## THE LUCIFER MATCH.

he tinder box, and the burnt rag that made the tinder went to make paper. Slowly did
he invention spread. The use of the mateh now so established that maehines are inone matelı manufactury ammally cuts up a erge raft of timber for mathes. The English matches are generally square, and thons thirty
thousand splints are cut in a minute. The thousand splints are cut in a minute. The of shaping being more claborate, fom thousaud and five hundred splints are cut in a minte. We will follow a bundle of eifhteen handred of thin splints, each tour inches long,
hrough its conversion into three thousand six liundred matches
Without being separated, each end of the bundle is first dipped into sulphur. When means of the sulpbur; must be parted by what s called dusting. A boy, sitting on the Hoor with a bundle before him, strikes the matches with a kind of mallet on the dipped ends till they become thoronghly loosened. They have wo to be plunged into a preparation of phoshorus or chlorate of potash, aceording to the quality of the match. The phosphorus pro
duces the pale, noiseless fire, the chlorate o potash the sharp, crackling illnmination. ter this application of the more inflammable snbstance, tbe matcbes are scparated, and dricd in racks. Thoroughly dried, they are gathered up again into bundles of the same quantity, and are taken to the boys who ent bem, for the reader will bave observed that the bundles have been dipped at each end. There are few things more remarkable in manufactures tban the extraordinary raindity of his cutting process and that whicb is connect the bondle in bis right band, a pile of empty boves on his left. The matches are to be cut and the empty boxes flled by th is boy oundle is opened; he siezes a portion, know ing ly long habit the required nnmber with sufficient exaetness; puts them rapidly into a sort of frame, knoeks the ends evenly to gether, confines them will a strap whicb be tightens with his foot, and cuts them in two parts with a knife on a binge, which be brings down witb a strong leverace. The halee liepro ecting over each end of the frame; he grasjes the left portion and thrusts it into a half open epeno slides into am outer case, and he right hand. This scries of movements is performed with a rapidity almost uncxampled; fr in this way two lomndred thousand matches are eut and two thousand boxes fill ed in a day by one boy:
of the chnrches for eolored people in Memphis, recently, the minister, having finish ed the sermon, announced that a collection would be taken up for missionary purposes. The "susser" was aceordingly sent aromnd. When it came back to the pulpit, the preacher proceeded to count the amount, and among the ractional currency, he discovered a ten dollar Confederate bill. He looked at it for some ime witb erident disgnst, anci tben took a calm ook at his congregation over the top oil inis pocetacles. Then clapping the uncurrent bill upon the Bible, with indignant empbasis he on de Bible, and let de Lord take care of dat
 ice in the way of dcaling in grain, went into effect on the 1st of Mareh, by an arrangement mong all the leading grain dealers thronghont comntry. This is called the eental system, 100 lbs . In determining the average of wbeat a bushel is equal to nuder this system, the estimates are made on the following basis: =

Peminafs our readers have not beard of the idow who, sitting meditatively by a eheerful fire after ber husband's decease, sighed out : "Poor fellow, how be did like a good fire ! I


W．Axis S．S．FOSS，EDITORS．
Saturday，Marchit 16

##  

## CULTIVATION OF THE CRANBERRY

Witure a few ycars，the cultivation of the eraberry has inereased to a wonderful extent． Ye have no historical d：ta，but we believe Few England is entitled to the credit of first cultivating or propagating this valuable fruit． An old sea captain，who had＂roamed the wide world over，＂settled down on Cupe Cod ； and，to satisfy his curiosity，re－planted and cultivated some wild vines in bis garden．The soil was a light，grisly sand－of the drift forma－ tion－and bis experiment only partitily suc－ ceeded．The＂old salt＂knew lithe of geol－ ogy；of how the carth was made；how glacial action had kieked and piled it about，but he kept on experimenting mitil；he grew mustal erops of cramberries；and his neighbors，ob－ serving his suecess and thrift，improved on his method，and partially perteeted the cultivation of the American cramberry．
To－day we know that the alluvial forma－ tion is the soil on which the eranherry does best．This formation inclutes some of the most barren and wet tracts of land in the eoun－ try．It is saud，quarte－rock，finely gromnd，like pulverized and granulated sugar ；in other in－ stanees it is the mud，or alluvium of brooks and rivers；agaiu，it is the clebris of bogs and swamps，or the deltas of stremms or ocean cur－ rents．These are all good soils for the cran－ berry ；so are salt meadows，and even some up－ lands mate by the drift of the ocean，centuries
ago．All these deposits contain more or less of decayed vegetable and animal matter ；skill－ fully compounded by the Great Arehitect．
On Cape Cod，people will tell you the very best soil for the ermberry is beach sand；in New Jersey they will suy that an allnviat soil， with drift－sand underneath，is best；and in Miehigan，on the Lake shores，they successtinly grow the eranberry in black mud and peat． All such lands are natural to this oine；aud iu its cultivatiou，we should follow Nature．She never experiments，hut sows her seeds aud plants her roots always on the right soil and in
the proper place．Some people，who have the proper place．Some people，who have
more money than experience，will have to＂go to sehool＂and learn vegetable physiology be－ fore they will become suceessful cultivators of the eratibery．A proper selection of soil， drainage，preparation of the bog or meadow， manner and time of setting out the vincs，a knowledge of the insects iujurious and de－ structive to the fronit，are indispensable to suc－ ess．
Weortant and rapidly increasing branch of in dustry，but refer to the subject as one worth the atteution of all persons owning lands nat n－ ral and suitable to the eranberry．There is more money in the business than increctulous people suppose．No field or farm crop will pay
a tentl the profit that this frnit yields．And whether in New Euglaud，in the Middle States， or in the West，it will pay to cultivate the cran－ berry：On most land，where it docs best，the land is almost valueless for any other purpose． The enst of the land is small；the expense of preparing the tract，however；is considerable but the setting of the vines（no after eultiva tion），aud the profit of the crop，make the
business the most lucrative in the country．－ business the most lucrative in the country．－
We bave visited many sections of the United States－Cape Cod，New Jersey and tbe North West－where this business is suecessfully and profitably followed；but our choice（soil， climate and market consulted），is New Jersey． extending from the Delaware river to the sea extending from the Delaware river to the sea－ and the time is not far distant when her cran－ berry erop will equal，if not surpass，any of her cereals．
ETig If the reader would extend the useful－ ness of the Farm and Fireside，let him show it to his neighbor，and solicit his subscription．

Thefarmand fhembe axd the Yor the sum or fort pous．ass，

 Enifanl． FOSS，Prinimiar．
Woonsocket，R．I．

## MARCH．

Turs is a month of activity with farmers． The weather is unsetled，the air eold，the winds blustcring and the Frost King holds sway in all Nortbern latitudes．Bryant never wrot more truthfully，or better，than when lie said ＂Fhe storny March Is come at last，
With wind，and clomd and
Whth wind，and clond，and chang ing skies；
hear the rushing of the blast，
Tbat throngh the snowy valley
The weather will not permit much field Work in the first half of the month，through New England or the Middle States．Yet it is all－important that we have things rady for active labor as the season adranees．The great inclustrial battle of Spring will soon eommence．The music of the blue－bird and robin（not war－like，but inspiriting，）is heard a carly day dawn；the occasional wam sum－ hine starts the willows and osicte，and thei floresence greets the eye aloug the banks of rivers，brooks and road－sides．All this re minds us of the return of Spriug，＂for lo！the winter is past，the rain is over and gone：the fowers appear on the earth；the time of the inging of birds is come，and the voice of the urtle is hearl in our lancl．＂
All farmers and gardcuers should see that their implements of labor are in good repair． It is pool ceonomy to work with a worn－ont plongh，with a broken hoe or spade， heumatic wagon or eart．Nor will it do to Tait until the planting season arrives，before you go to the wagon buidder or the blacksmith， for geucral repairs．Go now，withont furthe lelay．Also，see that gates，fenees ancl stonc walls are repaired；not forgetting your live stock，that need more eare aud attention in March than at any other period of the year A few hours，each day，in the orehard looking after the aphis，and oller inseets de structive to fruit，will pay．It is too early 10 plant out young trees，or to graft；but you can prepare the land where trees are to be set ponement．In the fruit garden，make ready for strawberry plantiug；examine your grape Fines；also set out raspberies and blackberries s carly as the soil will admit．All trees aud shrubs，in the door－yard and on the lawn，
sbould be trimmed up ；and those shrubs in－ tended for transplanting，shonld have immedi ate attention．Maune from the barn－yarc can be hauled out，at once；deposited in heap or ：spread on the surface，providing you cau ase the plongh inmediately after．
Our almanaes and farm ealendars inform us hat Spring commences in March；but every intelligent farmer and gardener is guided by the weather，the staie of the atmosphere， rather than by bis almanac．If the season is cold and backward，have patience，wait a lit le；and then，as the season advances，with uild and genial temperature，go－aliead！

Sow your Oats．－The importance of sow ing oats carly，is well nuderstood by all pro－ gressive farmers．As soon as the gromad is sufficiently dry，so that it ean be ploughed and harrowed，oats should be got in．Early sow oats are ahays hearier ；and when onee in they are ont of the way of all other work．－ We have known oats to be sown in the last of
February（in New Jersey），and the crop was remarkably good．In the New England and Middle States，they ean be got in from the last the midale of Mareh，on dry soil

Elephantine Oxen．－A gentleman from Bristol，Vermont，informs us that he recently saw at tbat place a yoke of oxen，seven year old，wbich weigh over eight thousand pounds． They are six feet high，and measure sixteen and a half feet from end of nose to end of tail． They are on exhibition，and will visit various parts of the eountry．Tbe owner expects to make the pair weigh ten thousand pounds．

NEW ENGLAND AGRICULTURAL SOCIETY．
Tue anual meeting of this Society was held in Boston on the zihinst．The Presidem， Dr．Loring，presided and in＂：de a brief address， consratulating the Society on its past succes hen took place，resulting as follows：

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## A Yice President ancl it board of five Tru

 ces from caelı of the New Eugland States were then chosen，viz．

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It was voted to hereafter hold the anunal neeting on the first Tuesday of February．It was also voted to apply for a charter．
Gov．Dyer：of Thode Island，moved that a ammittee of oue from each State be appoint to arrange the time and place of the next Annuai Exhibition．Messrs Anderson of Maine，Enstis of New Hampshire，Bridge of Vermont，Dyer of Rhode Island，Webb of Comecticut，Howe of Mass．，were appointed lat committee

A fiad adjoumment then

## THE NEW TARIFF ON WOOL．

One of the most important biils passect by the Thirty－Ninth Cougress－just closed－is the Tariff on wool and woolens．We belicve it is， substantially，the bill agreed upon by the wool rowers and the woolen manufacturers last car．The Bill makes the followiug classes， or grades．

beretofore any inaly in impocteding，Into the Uning such States from Buen
Ayres，New Zealand，Australla，Cape of Good Hope Prus Creat Britain，Canada，and elsewhere；and，also，Includllng all Cruss 2．Comhing wools－that 1 s to say，Leicester，Cotswold， YIncolnshire，down combing wools，Canads long wools，or the
like comblng wools or English hlood，and usially known by
lerms hereln used；also，all halr of alpacca goats and oower like animals．
elasss 3 ．
koi，natlve，South Ameriea，Corilora Thar wools，such ns Don－ na，and including all sich wools of liso character as hare been The cluty

有 athed athirty－1wo eents per pound，is ten cuts per pound；and in addition，ten cent ill be the same．On the Thires elass，thered wiln be the same．On the Thircl elass，three ents；and on those costing over twatre cents， ix cents a pound．It is supposed that the Aet oes into effect at onee－thongb the bill（if we ead correctly）does not state that fact．

For scours in ealves，pigs and sheep，a cor respondent of the Maine Fariner takes nantity of good oats，boils then one hour， aud gives freely of the ta till a cure is effect d．From many trials he is satisfied that the emecly is safe and certain．

Higni Preee for Fowis．－Mr．John S．Ives， of Salem，Mass．，exhibited tbirteen Bralma owls at a recent Fair at Worcester，which were awarded the first preminm．The thirteen have since been sold for $\$ 100$ ．

Whotes and Queries．

| Editurs of larm and flreslde：llavinu heard that sinflow |  |
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| Sunflower nateds are good for fattenfowle：but not as a regular food． |  |
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| have a yoke of oxen that are off thefr feded．atd we have tricu amost everything we hare heard of． |  |
| Sor Mourf repertalus．0 |  |
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\author{
 <br> THE INDEPENDENT FARMER. <br> 

## Fireside fales

## Jack sprout's conversion

Jaok Sprout swore a terrible oath. Iu fact, he swore quite a uumber of oaths, for he was rery angry. It was nothing wonderful for Jack Sprout to swear, even in the presence of his wife, for he was sadly given to a habit of profane language. And yet Jack was a good husband; an iudulgent father; an industrious man; au accommodating neighbor ; and he possesscd many other excellencies of character which might have made him a valuable member of society, had it not been for certain loose habits which had marked his course from childhood. His parents had been careless and profane before him; his father had been a tough, rough customer ; so Jack naturally enough came up in the same track. But he was good looking, and kind hearted, and genial and social, and so he liad gained for a wife one of the very best maidens of our town, as well as oue of the handsomest.
Master Freddy Sprout, aged five years, stood by lis mother's side, with a sadly begrimmed and tear-streaked face, aud his story was, that Solomon Gordon had whipped him with a stick, and the bry's legs still bore a few slight tokeus of the castigation. Two other boys
had come home with master Freddy, and their had come home with master Freddy, and their
testimony corroborated that which the sufferer had given. Freddy, with some of his playmates, had been throwing stones at Mr. Gordon's dog, and onc of the missiles hurled by Freddy had hit the animal and caused him to howl with pain. Of course the stone thrown by such a tiny hand could uot have inflicted much injury upon the canine brute; but Solomon Gordon loved his dog, and when he saw what had been done, he caught Master Freddy aud gave him a thrashing; for, be it known, Solomon Gordon was just such another man as Jack Sprout-warm-hearted, generous, and neighborly ; but rongh, uneducated, strongneighborly ; but rons
willed and impulsivc.
Jack Sprout put on his liat and prepared to sally forth. His lips were pale and tightly compressed, and the huge muscles in his arms worked like bundles of ropes.
"Dear' Jack," plead his wife, "don't go out now,"
"Let me aloue, Abby. No unan shall strike a child of mine without having a chance to strike me. Ishall go and see Sol. Gordon, and I'll give him such a licking as lic won't forget iu a hurry!" And Jack closed the sentence with a terrible oath.
"No, no, Jack-don't go. What good will it do? Wait until you are more cool!"
"Pshaw! Go away, Abby. There is not power enough on carth to save Sol. Gordon
from a drubbing ; and I'll give it to him before the sungoes down!"

And as Jack Sprout looked at that moment e gave awful evidence that he was physically able to make good his word; for a more mag-
nificent structurc of frame-work and muscle was not to be found in the town.
"Dear Jack," cried the wife, taking her husband by the arm. "Oh, do listen to me one moment. Freddy is not mucle hurt; and he ought not to have throwu stones at Gordon's
dog. You know both Solomon and his wife set everything by tbe little animal, and he would not bark at the boys if they did not plague him. If you go and find Gordon, as you are uow, you will only make matters worse. Oh, I wish you would drop it."
Jack only shook his Lead, and smiled one of those smiles which are terrible upon the face of au angry man.
" Oh, Jack, if you would only try the effect of kindness upon Solomon! He is a good
Jack interrupted his wife with a decisivc Jack
"Don't laugh at ne, Jack. I tell you it would be better to do so than resort to blows. If you were attacked I would not blame you for fighting to protect yourself; but this is not There is a higher and nobler strength that you can use now."
"Oho!" uttered Jack, "you are preaching. You are giving me some of your Sunday School lessons. But I don't want'em. You but you mustn't preach the stuff to me."
"Jack," spoke the wife, witl stern solemni"Have I been any worse since I began to have an interest in religious things?"
"No, Abby-you werc good always."
"Then why will you not listen to me? I you will stay with me now-if you will wait until your anger is cooled-and then go and speak kindly to Solomon Gordon, I give you
my solemn pledge that you will feel a thousand times better than you will if you-'
But Jack would uot hear his wife out. He lad sworn that he would thrash Solomon Gordon, and he would keep his worl. His temper acling to get his hands upon the man who liad dared to strike his boy; for Freddy was his pet, and every blow that had been laid upon the child's body had made a mark of fire upon
his own heart. So he put his wife away from his own heart. So he put his wife away from
him and hurried from the house, slamming th door after him.
Away weut Jack Spront with rapid, heary strides; and had Solomon Gordon fallen in his way just then, he would most assuredly lave been severely beaten; for though Solomon was
a stout, bold man, yet Jack was a very Hera stou

But Jack was destimed to get pretty thorough-
ly cocled off before he met the object of his wrath. As he approached the bridge that spanned the river just below the falls, he heard loud cries of alarm, and upon hurryiug for ward he found that a boy had fallen from oue of the projecting timbers into the water. He looked over the railing and saw the little fellow just coming to the surface of the foaming, boiling flood-a curly headed boy, just about the age of his own darling Freddy-stretching forth uis tiny arms in on agony of despair. I
was a terrible place, that seething, roaring was a terrible place, hat seething, roaring pool,
where the waters of the great river came pouring down from the high dam; but Jack did not lesitate. He forgot his enemy-forgol everything but the dauger of the little oneand only stopping to kick off his boots, and throw aside his coat, he, leaped down into the angry fiood. He canght the boy in his arms mighty conflict, but the strong mau persevered. More than once those who had gathered upon the rocks had reason to fear that ueither the nan nor the child would come forth alive; but Jack held his own against the mad torrent, and finally reached the shore, where many hands were ready to help him. As for himself, a ew minutes rest so far restored him that hi was able to walk; and he had sustained no in-
jury save a few trifing bruises. And as for the boy, he had come forth in safety, for Jack had held lim ligh above the water during all

And when Jack Sprout had regaincd his breath, and was able to speak, he looked to see was Andy Gordon, a bright-eyed, curly-haired, red-faced boy, not a year older than was his son Freddy.

Where's papa?" asked the dripping clilld.
He is coming," answered some one in the rowd.
Jack looked $\mathrm{u}_{\mathrm{i}}$ and saw Solomon Gordon coming-Solomon, pale and terror-strickenand with all possible haste he seized his coat and boots, and hurried away, He could not
cet Solomon Gordon then.
Mercy! What is it, Jack?
Mrs. Sprout was alarmed. Her husband was dripping wet, his step was tottering, his breathing was labored, and there was a livid mark upon his forehead as though he had re "It is neary blow.
"It is notling, Abby."
Has Solomon-
"Psllaw! D'ye think Solomon Gordon could ave cone this! I have been in the river. A httle boy had fallen from the bridge right int brought him out."

Alive?"
"Yes, alive and unhurt."
"Oh thank God? Whose cliild was it, Jack?"
"Don't stop to ask questions now, Abby, but
make me a cup of hot, strong tea, while I get on some dry clothes. My soul! I thiuk I had a narrow dodge of it !"
Jack put on dry garments, and when he had rested awhile he drank, his tea, and iu the course of an hour all traces of exlaustion had passed
"I tell you, Abby, I have had a good many tougll jobs in my day, but I never lad one like hat belore. A weaker man than I could never " $O$ brought out that child alive."
"O, how grand it is, Jack, to use one's
trength iu such a cause. But whose child was ? Do you know?"
Before Jack could answer, the outer door was unceremoniously opened, and Solomon Gordon entered the apartment. Abby shrank back in alarm when she saw how pale and ex-
cited the man looked, and how he treubled, for sle did not uotice the moist, brimming light that slone in his swollen eyes.
"Jack!" spoke the new comer, in a gasping nanner, at the same time holding out both of his lhands. He choked and stammered, but presently gained streugth to add, " 0 , my God, what can I say! Jack! Jack!" Here the
stout man broke fairly down, and burst into tears.
Jack; almost as much affected as was his isitor, arose and took the exteuded hand.
"Never mind, Sol. It's all right."
No, no," cried Gordon. "It isn't right. It never cau be right. O, what can I do? Jack, If could only go back to where I was this trifling thing, and you have saved mine from terrible death, saved him almost at the expense of your own life. Kill me, if you will. Beat me, Jack. Do anything you like, oniy forgive me, so that this saving act of your's
slan't be always like a heap of coals upon my head!"
And then with a sudden impulse- under the influence of an emotion sucl as he had never before experieneed, Jack Sprout said:

Solomon, I tell you it's all right. You have no more reason to thank God that I saved your child than I have. When I went forth
from my house, full of wrath and madness, curses were upon my lips aud in my heart. I should have sought such revenge as the wild weast seeks. Is it not better that I found your little Andy in the flood? and is it not better that my grcat strength was used in saving his ife? I forgive you, Sol, from the bottom of my heart. Aud uow, I say, it's all right! Aud so was cemented a friendslip holy and lasting.
Seemingly slight perturbations in the current of a unan's life sounetimes work marvelous clanges for good or ill.
"Abby," said Jack Sprout-it was late in the evening, and they had been sitting for some time without speaking-"I believe I am converied. Saul of Tarsus, that you read to Fred-
ly about last Sunday, was uot more sudden? rought to light than I have been. Realy and ruly, there is more virtue in kindness than in cmmity. It blesses everything and everybody He who bestows it, is as mucl blessed as ho who receives it.
And then the wife, with her arm placed genly around her husband's neck, geatly, kindly said:

Dear Jack, wouldn't we both be happier if we would try to live by the blessed rules laid down by our Savior? Oh, I know that they were given by One who sought our highest good, and I think we should find joy in trying square our lives by the golden rule."
and Jack with a kiss, made answer
"My darling, we will try."
the benefit of being knocked about IN THE WORLD.

IT is a good thing for a young man to be "knocked about in the world," though his sốthearteà parents may not think son. All youths, or if not all, certainly nineteen-twentieths of the sum total, enter life witb a surpiusage of self conceit. The sooner they are relieved of it the better, If, iu measuring themselves with wiser and older men than themselves, they discover that it is unwarranted, and get rid of it gracefully, of then own accord, well and good; if not, it is desirable, for their own sakes, that it be knocked out of
them. A boy who is sent to a large school soon findsis his level. His will may have been paramount at home, but school boys are democratic in their ideas, and if arrogant, he is sure to be thrashed into recoguition of the golden ule. The world is a great public school, and it soon teaches a new pupil his proper place. Ii he has the attributcs that belong to a leader, he will be installed in the posilion of a leader; if uot, whatever his own opinion of his abilities may be, he will be compelled to fall in with the rauk aud file. If not destined to greatuess, the next best thing to which he can aspire is respectability ; but uo man can either be truly great or truly respectable who is rain, ompous and overbearing.
By the time the novicc has fornd his legitimate social status, be the same high or low, the probability is that the disagreeable traits of his character will be softeued down or worn away Host likely the process of abrasion will be rough, perlaps very rough, but wheu it is all
over, and he begins to see himself as others see over, and he begins to see himself as others see
him, and uot as retlected in the mirror of selfconceit, he will be thankful that he has ruu the gauntlet, aud arrived, though by a rough road, at self-knowledge. Upon the whole, whatever loving mothcrs may think to the coutrary, it is a good thing for youths to be knocked about in the world; it makes men of them.

Oper-Worked Women -Au over-worked woman is always a sad sight-sadder, a great deal, than an over-worked man, because she is much more fertile in capacities of suffering than a man. She has so many varieties of headachc-sometimes as if Jael were driving the nail that killed Sisera into her templessometimes letting her work with half her bram, while the other half throbs as if it would go
to pieces-sometimes tightening around the brows as if her cap-band were Luke's iron crowu-and then her neuralgias, and her backaches, and her fits of depression, in whicl she thinks she is nothing, and those paroxysms which men speak lightly of as lystericalconvulsions, that is all, only not commonly fatal ones-so many trials which belong to her fine and mobile structure, that she is always entitled to pity, when she is placed in conditions which develop her nervous tendencies.Dr. O. W. Holmes.

Remedies for Cuitrblatins.-Boil some turuips, and mash them until reduced to a pulp; put them into a tub or large basin, aud put the feet into them, almost as hot as can be bornc, for a short time before goiug to bed. Persevere in doing tbis for a few nights, and the itching and uritation of the chilblaius will be cured. Of course
blains are broken.

Love of Chimpren.-Tell me not of the trim, precisely arraurcd homes where there are no children: "where," as the good German has it, "the fly traps althese things stright on the wall, tell me not of the never disturbed nights and days, of the tranquil unanxious hearts, wherc children are not! I care smor thies and affections to wive children for auotuer purpose than merely to keep up the race-to eularge nur hearts, to make us unselnsh, and full of bight faces and and lappy smilcs, and loving, tender hearts. My soul blesses the Great Father every day, that he has gladened the earth with little children.

## Howticulture, Se. <br> Remaris on the oricin of froits and vegetables.

## [Written for the Firm and Fireside

Tue following extract, I clipped from one ot the daily publications of our city; and I insert it here as a matter of some interest, without becoming responsible for the facts, real or sup)posed, which it may contain, efen it that interest should be nothing more than mere cirisity
Contessing my entire ignorance of the "pretty pea "called" "parsles;" there is a possibility that the origin of some of the truits and regetables named in the extract, may be as much matters ol speculation as the grape is held to be by some of the horticulturat savans of Europe
At the last mecting of the "Central Inperi"el Iforticultural Sucict!," hcld in Paris, France, Doctor Thulicum, ot' St. Thomas's Hospital, London, made a very important and learnel report on the fossil vines, and the wild grape vines of the valley of the Rhine, in Germany; which report, it true, is calculatel to upset some of the theories of the origin of this firuit as heretofore existing. On this occasion he exhibited to the Society several specimens of vine leaves impressed upon coal, whieh had been taken from a coat-mine in Hesse Darmstadt. Other specimens from the same locality contained great numbers of fossil grape husks and seeds. The learned Doctor stated that these cieposits were found lying underneath the bassalt ; and what may appear mos marvelous aud starting, to are estimated to be philosophers is, that they are estimated to be
above one hundred millions of years old ; and above one lundrect millions of years old; and
that these facts, and the peculiar character of the wild vines of the Rhine yalley, completely contradicted the almost universal belief, that the vine lad come originally from Asia. He grave it his opinion, and believed, that the vine was indigenous to all commes where it now prospered ; and invited horticulturists to make experiments with the sceds of wild rines, particularly those of Franee, as they might ob-
tain resultsimportant to horticulture. Whether of any interest or value to American horticulturisis, is for them to decide.
Lancuster, Pa.

## ORIGLN OF VEGETABLES.

Gulic came from Sicily. Beans blossomed first withe sight of embryo mummies in the laid its glossy treasures under the Atrican sua, and Southern Europe gave us the artichoke and the beet. To I'ersia we stand indebted for peaches, wahuts, mulbertics, and a score of every day lnsuries and neeessities; to Ara-
bia we owe the cultivation of spinage ; and to bia we owe the cultaration of spinage; and to
Sourope we must bow in teartul gratitude tor horseradish. At Sibcria, the rictims of modern intemperance may shade their grey locks forever-tor, trom that cold, unsocial land came rye, the father of that great firewater river, which floated so many jolly souls on its treacherous tides, and engulphed so
mnch of humanity's treasure. The chestnut, dropped its burs on Italian soil Who first dropped its burs on Italian soil. Who eve "Flemish Beauyy," or his "Jargonelle," hat the first pear blossoms opened within sight of the Pyramids? and what fair school girl of the pickle-eating tribe, clreams of, thanking the East Indies for cucumbers
Parsley, that prettiest of all pretty peas, tak ing so naturally to our American soil that it seems quite to the manor born, is only a so journer among ns. Its native home is Sardinia,
or, rather, there it first secmed an acquaintanceship with civilized man. Onions, too ar only naturalized foreigners in America. I lad hoped that in poetic jnstice, research would prove this pathetic bulb to liave sprung trom the land of Niobe, but no; Egypt stretche forth her withered hand and claims the mion as her own! Maize and potatoes, thank Hear en! can mock ns with no foreign pedigrec.
They are ours to command, hold, from time's beginniugs to its endine though England and Ireland bluster over "corn" and "praties" till they are hoarse.

Tue Taunton (Mass.) Gazette states that a breeding sow kept by Doct. A. Martin was slaughtered on the $23 d$ ultimo, when twenty-one months old, which weighed, dressed, eight hmadred and forty ponads. Two litters of pigs raised from this sow were sold for $\$ 108$.

## Watural History

HAIRY WOODPECKER-SAP-SUCKER. (Picus pubcrectus.)
A singrlar lreak of this familiar inluhitumt of orehards and lawns, may be worliny of ree ord.
The singularly foolish idea, olten advanced, that lie only attacks decaying trees, or those containing insects or grubs, and of his instinct we ability to detect their locality, sloond be ex ploded. The following tacts bear upon this point. I have seen them alight upon the trunk of a tree, creep round, listen attentively, and search with eyes and bill without finding the grub bencath the bark. Tinat the numerous holes made by them around apple aud other trees is in search of insects, is simply preposhave advaneed it ; especially after the eareful ohservations of Nutall.*
Smooth, vigorous trees are oftenest attackecl. The soft parenclymatons substance beneath the borl.
One of these birds tork up its quarters in deserted hornet's-nest in my orchard, and wa so comfortably housed that it remained until Winter. Its depredations upon the tree were superficial inches of bark, attention to which caused the discovery of its retreat. Had its migratory instiuet been overcome by shelte and proximity to food
K. K.

## THE ROBIN.

Messms. Empors:-I was astonished to see in the Farm rend Fireside, a word said agaius cially the robin, as they devour innmmerabe worms and insects. Probably one robin, in a single season, will eat fifty times its own weight of worms and insects, which are destructive to regetation. I wish there were a thousand on my farm every seasou, and I would proteet
then, as far as I could, from all harm. I have fold boys that I would rather give twenty-five cents, han have one killed on the farm, whieh has had a good efrect in preserving the lives of these innocent creatnres.
The robins have been, for years, my alarm clock in the morning ; and how pleasant it is to hear their matin songs, on the elms beside the house, as I walk with pail in hand to the barn. At this time of lay their notes are sweet to me; es, swecter than the tones of any musical inrument I ever heard played by human hands, willing the robins should have half of them as they are a poor, unhealthy fruit, and fit for nothing but hirds to cat
One word more for $m y$ feathered faworites, and I have done. I have often been hooing in he cornficld, when one or more robins wonld fllow me all day and pick up worms trom alnost cvery hill of corn. Who could kill a birt hat does this?
Messrs. Editors, I am a friend to all birds except the rroo and horst.

Respectfully Yours
Blaclistone, Muss., March, 1867.

A Beadtifll Experinent.--Fill a widemouthed glass jar with water, and cover it over with a piece of loundation, such as is used by adics in their bonnets (or used to be when hey wore thens) and cove: that with a layer of in the water. the roots growing down into the water, their fibres presenting a beantiful appearance. Set this in a window, and rines will grow up which can be condneted to the sill. The whole is rery handsome.

A lady was asked to join one of the divisions of the Daughters of Temperance. She re plied, "This is unnecessary, as it is my inten tion to join one of the sons in the course of a
few wecks."

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| In Milford, Mass, 7 th instant, stiluluen B. Ford, aged 78. <br> In Wehster, Mass. March dth, Mrs. AbELINF., Wife of Gro <br> Fhemana, uged áo years. |  |
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The 排arlots.
WOONSOCKET RETAIL MARKET
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brighton cattle market








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## Whe Fatm.

flain talk with rarmirs.

## thiber two.

## When for the Farm and Fireside

## bI mox. James w. Wall, New jerser.

 will be many farmers who may read my plain talk, and say: "Where cloes he expeet we re to find the time to acquire all this knowl edge he seems to think necessary for a tarmMy answer to that is -1 know no indus trial pursuit that has more leisure time on its hands in which to acquire knowledge, thau that of the farmer. Nature requires of him steady and uninterrupted lahor only a portiou of the year-the rest of it, with only very few exceptions, is his; and, eertainly, there are many hours during the long winter evenings, that he might devote to the acquisition of use ful knowledge relatiug to his pursuit. fair understanding of the principles upon which Geologr, auimal and vegetable Physiology, together with Agrieultural Chemistry rest, might he acquired in those leisure mo mients, so as to be of incaleulahle value in the future. Take the science of Geology, and of what incalculable value have its discoveries been to the agriculturist; throwing great light on the diversity of soils, the cause of their dirersity, aud the kind of materials hy the admixure of which their strengtl can be immixuure of which their strength can tee im-
proved. Geology will inform lim that the entire surface of the globe on which he lives is composed of rock overlaid with a coating thin material, which is the soil that he tills.He will further learn that the character of this rock differs iu rarious districts. In some it is sandstone; in others, limestone; iu others, slate, or harilened rock of clay. Thus he is furnish cd with a guicle by which to ohtain a perfect insight into the character of the soil he tillsfor, as a general rule, the soil bears an intimate resemblance to the rocks heneath it; as the loose earth above is mostly derived firon the ther instructs him in this truth, that there is a natural order or mode of arrangement, in which the stratified rocks are observed to rule in the earth's crust. The stratified rocks are those which lie over each other, in separate beds, like leaves. Thns yon will find a stratum of limestone, of sand stonc and of slute, lyiug over each other; and you will learn that in whatever part of the country, nay, in whatever part of the world these same rocks are met with, they will always be found in the met with, they will
game relative position.
How much does the Agricultural world owe to Geology in the discovcry of that abuudant fertilizer, marl? But independent of the practical results to be attained hy a knowledge of Geology, to the farmer, there is mneh, leaving com its techniealities, to interest aud absorh his attention. He is astonished when he discovers by its revelations, that the globe which he occupies was the seat of animal and vegetable life through a countless series of years, before man made his appearance upon the surfacethat successire races flourished and docayed confirmation for all this in the myriad forms of once auimated existences, whose remains of once auimated existences, whose remains
have been disinterred from their graves in the gypsam quarries, marl heds, and the chalk which enters so exclusively iuto the formation of the vast masses of mountain limestone.The earth is, in trutb, a charnel house, full of Hones, sinews, shells, leaves and prostrate trunks-all remains of auimal or vegctahle existences that once, ages ago, flourished npon its surface. So that our planet, so preyed upon, rent and slattered by varions agencies, has been stcadily advancing through conntless ages
to its present improved estate; developing a to its present improved estate; developing
plan, the result of forethought and design, grand in its outlines, beautiful in its execution and benign in its results. Reaching far hack into the past, it anticipated the wants of agcs yct to come, by which the glohe has been, stcp by step, built up as an appropriate home for moral and intellectual heings. While our earti was yet unfit for man's habitation, it was occupied by animals, whose natures watic
adapted to its condition; and, with a sigantic

Vegetation ; subsequently submerged ; then en tombed, and by ehemical processes gradually while formations of rocī-salt, marble, limestone, gypsuun aud marl were going on, to minister to the eoomfort, pleasure and prosperity of the coming races of men; furnishing materials for their dwellings, manure for thei fields, ornaments for their homes, and savo for their food. The design iu the formation of the immense coal beds is one of those instances of the Diviue wisdon whieh may well cause us to wonder and adore. It is no slight proo of the patience and majesty of the procession of the Divine will, that it is only lately tha man las been able to understand the object o this great eontrivance. Those huge cone-bear ug trees; those rich and varied mosscs; that flowerless and fruitless vegetation so luxurian and so inumense, tor what were they meant? Aud, then, those layers of hlack stone, erop ping out from the hill side, what object have they? But, now, the answer comes in the hum of myriads of steam engines, with a pom er equal to that of millions of men. How sublime the thought that here suggests itself of man's importance, and of a ereator's love when the truth springs forth from such revela tions, that all this creative energy and intelli gence were exerted to prepare a fit habitation
for the "coming man." The flint of your mountains, the red clay of your sea-shores the marl that fertilizes your fields and makes theun wave with a golden harrest, the rich
 evidences of a Divine forecast, that has thus
deposited the remaius of animal and vegetable life ; which, by gradual transtormation, througl decomposition, were to minister for all time to the wants of the coming ruler, who was to have "dominiou over the fish of the sea, over the fowl of the air, and over the cattle, ove the earth, and over every thing that creep the on the face of the earth.'
Such are the interestiug developments that peu to the mind of the stadious inquirer, the ondrons truths of Geology. Sưrely such in formation as this is worth mure than that oh
tained from the "New York Ledger" and kindred sheets that I ohserve so often in farm ers' dwellings. These sensational journal have doue more to corrupt the literary taste o the present generation, and spoiled the appe tite for more solid and substantial food, than their editors could undo, if they were to liv o the age of the patriarchs.
In my next "talk" I will endeavor to poiu out the advantages to be derived from the study of Vegetable Piysiology.
March, 1867.

## RAISE SHEEP-EAT HUTTON.

Good mutton, well fatted and neatly butch red, is the most wholesome, nutritious, and cheapest of meats. It grows quick, and costs little to produce it, compared with beef and pork. Every farmershould have a few lougooled Cosset shecp, at least,-Cotswold c Leicesters. They are little trouble, and will keep fat on the orts of the cattle. They usual y hring twin lambs, which sell to the butcher for from $\$ 8$ to $\$ 10$ by the first of July. Their flecee averages from 8 to 14 pounds, with fron 16 to 25 per cent. shrink only. Their wool is new, and will be, in the future, worth 30 per cent. more than Merino, which shrinks from 45 to 60 per cent., according to the family and 55 to 60 per cent., according to the family and
treatment of the flock. Long wool makes strong, excellent and durable stocking yarn, thongh it is mostly used to make the brilliant, hght, and lustrons Orleans goods, for the apparel of our pretty women. Two such sheen will yield as much profit as a common cow and five of them can he kept as cheap as cow in milk. Their lambs and mutton would kcep a farmer supplied with the best of fresh cep a farmer supplied with the best of frest year round, and would make an agrecable epi sode to the eternal round of salt junk and pork, and be far more healthy than either. Those who eat priucipally salted meats show it in heir complexion, their skin being less fair an mooth. Pork, at hest, eaten coustantly, pro uces irritation and eruptions of the skin.
try-over $32,000,000$ head (more than ever be fore, according to the population). Then le all manufacturers, mechanics, and all men who are interested to have good meat and the boar of operatives cheap and wholesome, see to 1 properly enconraged, as a matter of health and conomy. Meat is a greatitem in the expense ot board of operatives, dc. If we grow our wn wool, we shall always have mutton plent nd cheap. This will affect materially the prie of other meat, and the whole people, including he manufacturers, would prohably gain a a protective duty on wool; for, eneouraged, both wool and matton would be plenty and cheap

Radishes in Winter.-Galignani's Messen Eer says that radishes may he grown in a very ew days in the following manner: Let som put them in a hag and expose to the sun. In put them in a hag and expose to the sun. In nence. The seed must be sown in a wel manured hot-bed, and watered from time time with luke-warm water. By this treat ment the radishes will in a very short time ac quire a snfficient bulk to be good to eat. If it e required to get good radishes in winter, dur ag the severe cold, an old cask should h savvu into and one half of it be filted witb good earth. The radish seed, begiuning to prout as before, must be sown in this half, ad the other half be put upon it, and the whole carried into the cellay. Usc lukewarm water as hefore. In the course of five or six lays the radishes will be fit to e3t.

Tue hens of all kinds of galliuaceons fowls sit 21 days; clucks of the usual kind, such as
Alesbury, Rouen and ollhers, 28 days; geese 30 to 35 days; Guina fowls, 28 to 30 days pea-hens, 28 to 30 days.

Advertising 扬epartment.

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## Rhade Island





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 massachusetts

| C ${ }^{\text {OLLINs, bliss \& co., }}$ <br> PRODUCE AND COMM |
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$\qquad$ It is claimed that this Fertilizer is superior to any in the mar-
 Cor Send for Circhlar giving full particular

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## Sheemashtrbacco

## ticks, Scab, VERMIN AND foot rot fot


It will not injure the most delicate animal.
It will improve tbe Quality and Quautity of Tool. It kills Ticirs on Sheep.
It cures SCAB on Shep

## It cures SCAB on Sheep. it cures all SKIN DISEAS

## It kills all Versins that infost Animals

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F For FOOT-ROT it is a sure cure, used as a pontitice.
Cllone found of tbis Extract will make Twelye GALLONS of Wash, and contains the strengtl of EIGHT
POUNDS of TOBACCO, as prepared by farmers.
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AMESF. LEVIN,

$\mathbb{R}^{\text {ARE AND BEAUTIFUL FLOWERS }}$
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FLOWER AND KITCHEN GARDEN.

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| Post, writes, us that it is superior to any other for tahle use, as green corn. <br> Packets containing about 40 seeds, 25 cents. <br> Prices to the Trade, in hulk or in packets, will be given upon application. <br> Fehrnary 23, 1867. <br> B. K. BLISS, Springfeld, Mass. 4t-ee-7 |

## Pennsyluania.





## quirded to weavo with it besond the simple turniug of an easy crank FLOMS 15 TO 25 YARDS OAN BR WOTEN oN IT IN A <br>  <br>  <br> 


entered aceording to act of congress, in the year 1867, by s. s. foss, in the clerk's office of the distriet court for fiode lsland.

VOL. 1.


COTTAGE IN THE ITALIAN STYIE.




FIRST STORS
GROUND I


## COUNTRY HOMES.

It is a commou, and a very pernicious crror to suppose that heauty in architecture consists, naianly, if not wholly, in something that is extrancons and superadded. There are those who never think of looking for this quality in mere form in symmetrieal proportions or titness of things. In building, they settle first what tbey regard as the practical points of shape, size, de., and then proeced to put on the beauty. The natural result is an excess of ill-selceted azd ill-placed ornaments. Others, seeing little value in mere decorations, and unconscious of tbe union whieh may and ouglt to subsist between utility and beauty, forergo all considerations of taste, and rest satisticd with unadorned ugliness. Of the two we rather prefer the latter.

We sball not he understoot as rejecting ornaments. Used under the promptings and guidance of refined and secere taste, it must always add largely to pleasing effect. But let it talse and keep its own plaee. It is at best but a secondary consideration. Not so with
beauty of form, of proportions, and of fitness This is always attainalile, always pleasing, and may add its grace to the simplest cottage, no less than to the proudest palace. A home iu which these qualities are conspicnous, ean laardly fail to be regarded by its iumates with constantly inereasing pleasure :und affeetion; and this is the liginest motive for their adoption that can lie urged. Nor is the gratification which suel strictures afford to others to be left out of the account. When a house is to he one of many, as in a village, there is an added obligation to make it comfortable and agrecalle. On the grouncl, too, of profit, it is certain that beauty bas the advantage of deformity. Money spent, not in uscless parts, idle splendor, meretricious decorations, but in imparting to a house those solid and useful eharms to which we have allnded, will seldom fail to augment its market value; and this is a consideration tlat almost ev ery one appreeiates. To make home comfortable should be our constant endeavor. It is there that our heart's most sacred treasures are centered-there that we seek relief from the cares of business.

## PLAIN TALK WITH FARMERS.

by hon. james w. Wale, new Jelsex.
If a gencral lenowledge of Geology is useful to the farmer, still more directly useful is a knowledge of vegetable Physiology

His whole business is with plauts aud animals. How important, theu, that be should fully understand the laws of their beiug, the matcrials that compose tbeu, and tbe food upon which they best thrive. Let me glauce at only a few of the very curious things that a study of vegetable plyysiology discloses. Let me turn to the vast scries of pheuomena, exhihiting the intiuate comnection between the mineral, animal, and regetable worldstheir mutual relations in tbe great cyele of cbanges, the interruption of which would reduce the face of the glohe to the coudition it was in hefore man appeared upon the surface. Take into eonsideration the chief functions of plants and animals, the sources of their good, and the character of their assiunilatious and excretions. Thrust any plaut iuto the fire, aud observe first the crackling aud spittiug indicating the dissipation of the water filling its pores and sap ressels. Notice thed, that it takes fire and burns uutil nothing is left but a diminutive heap of ashes. Now let the chemist analyze for you these asbes, and they will be found to eonsist of the mincral sulstances, Which the plant has during its growtb ahstract ed from the carth, and which though minute as compared with the original bulk of the gate of a thick and serried crop. Thus a erop of potatoes ahstracts from the soil about two hundred pounds of mineral matter per acre, $w$ hile a erop of the beet roots, it is said, withdraws about fire luudred pounds ; and of mineral material is derived from the soil of which it has hecome a constituent part, hy that long process of the wearing away of the rocks beneatl, or that has been washed down from the mountains into the valleys.
The orranaic constitueuts of the plant burnt way hy the fire, cousist chiefly of carbou, hydrogen and nitrogen-the substance of the ash made by hurniug was iuorganic, or that Which eonstituted the food of the plant, neces plant derive these? A unoment's consideration will explaiu. Oor atmosphere, it has been discorered, cousists of a definite mixture of oxy gen and nitrogen; in addition, there are present, as unfailing eonstituents, ammonia in minute quantities and earhonic acid, that gas which gires efferrescence to our sparkling wines, but when breathed is so deadly a poison to suimal life. Under the benignant influenee of tbe sun's rays, however, this gas is highly favorable to regetation; and it is from the amount in the atmosplere, that the vast mass of regetation derives almost catirely its supply of carbon; therefore you will perecive that plants perform a most important function in the animal eeonomy, hy removiug at deleterious element in the atmosphere, that might otherwise prove injurious to man. Accordine

Lichig, the atmospluere contains 3085 Lillion of pounds of earbou, a cuantity amounting to more than the weight of all the plants, and all the strata of mineral and brown coal existing on tbe carth. You will sec, as you proceed witb your investigatious, bow close the analogy is between man and tbe regetalule. There is a circulatiou of fluids in regetables, ausweriug to the circulation of blood in the mau. There is nutrition and absorption, as there is in the human frame; and as textures and sceretions are formed out of the blood of man, so are they formed out of the sap in regetables. Man lives hy food, so do regetables; man resires, so does the whole regetable kingdom. There is vital heat in both. Man requires re pose and quict sleep; the sleep of plants oc curs once in twenty-four bours. When darkness comes on, tine flowers close, the leaf stalks beud either up or down, so that the flattened surface of the leaf is either clepated or de pressed, and the leaves fold themselves together. Some plants, too, like men, are noeturnal in tbeir hahits, awake in the night aud asleep in the day. And tben tbere is another form of sleep, in which plauts resenable a species of the ower animals, that is, slecpiug in the winter time. With us, in our climate almost all plants at tbe end of autumn become, quite torpiá until spring.
The distinction, too, of seves amongst the plants, lias been definitely established. The plant, or one part of a plant, is female, aud he other male; aud there are male and female organs of reproduction. The female orgaus have the power of forming within them a little ubstance called the germ. The male organs have tbe power of forming within them a subtance whieh, when applied to this germ, impregnates or fertilizes it. The result of the mpregnation is, that this germ is converterd into a seed. This seed is a vegetahle in miniaure, and if placed in the ground, put into such eoudition where it cau have perfect health, and be supplied with appropriate food, it will heeome a perfeet plant. These organs of reproductiou in a plant are always sitnate in the tlower. Sometimes, as in the willows, one
tree has mile flowers, ard male flowers only. In other caser, as in the vegetable marrows each plant has botb male aud temale flowers. But in the geucrality of plants, both male and iemale orgaus are eoutaiued in tbe same flower. This, for instance, is the case with the common huttereup of your fields. If yon examine one of these familiar flowers, yon can easily reeognize within the five bright yellow leaflike parts, two distinct scts of bodics or organs. Around tbe eenter, bat not in it, are a number of long stalks with yellow heads; these organs are acalled stamens, the stalk's filaments, and the head's authers. These stamens, are the male organs of reproduction in the huttercup. In the iuside of the yellow heads or anthers, if yon camine closely; you will find a numher of minute yellow hodies secreted. They form a fiue dust called; pollen; this pollen is the fertilizing substanee of the male. When he anther is fully ripe it bursts, aud tbe pollen scattered ahroad. Almost buried witbin the stamens and quite in the center of the flower, with the aid of an ordinary magnifying? glass, The frarm and Fiteside.

These are earpels, or to speak more plainly ovariums or seed vessels. These beeome in pregnated hy the poilen, and thus a seed is fremed capable of produeing its kind. formed capable of produeing its kind. But
before the germ is separated from its parent before the germ is separated from its parent
flower, a quantity of matter intended for its flower, a quantity of matter intended for its
future food is stored round it; starel and gluten aud albumen all eneompass it. Then, when a suffieient amount bas been eulleeted, stored up, and the seed rendered perfeet, the
parent flower dies, the carpel splits, and the parent flower
The way in which these seeds are scattered is very eurious. Many seeds are furnished with wing-like expansions on each side, whieh, eatcbing the wind, are wafted to plaees far distant from that which their parent oecupied. Others, as those of the daudelion, are provided with very downy appendages, whicl the slightest breeze hlows from plaee to plaee. Other est breeze hlows from place to place. Other
seeds are swallowed by birds, and pass unaetseeds are swallowed by birds, and pass unaetOthers again, fall into running streams, and are so conveyed to great distanees; and even
the sea is engaged in earryiug to any near coral reef an ample supply of regetation. So that calm raee, the flowers, all loveliness and tranquility, whose life is beauty, and whose breath is perfume, play no idle part in Nature's work-sbop; for to them is iu reality eommitted the task of perpetuating not only vegetable
but animal life. Upon their aetive industry but animal life. Upon their aetive industry
depends the life of every hird that soars in air, of the cattle on a thousand hills, of every insect that crawls in the dust, and of the lifc of man himself. As England's laureate poet well mans:

March, 1867.
THaticulture.
OPEN AIR GRAPE COLTURE-NO FALIURE
by r. Bobinsox seott, Philadelp
I estimate the eultivation of the indigeuous grape as one of the most important and interestiug topics which your journal proposes to elucidate. I was recently struck with the report of a discussion purporting to be held hefore the Pennsylvania Horticultural Society, in a western New York paper, generally care-
ful in the authenticity of its articles. The report was to the effect that Grape Culture, in this region, in the open air (or vineyard culture) was quite an uncertain uudertaking, and in some cases a complete failure. One case in point was quoted. The parties who gave this as their conviction, were night designate as uniuformed or casual obmight designate as uniuformed or casual ob-
servers. They were, on the contrary, those who clain to be informed specially as to fruit culture in their sectiou.
Now, in view of the extensive interests inFolved, the large outlay iucurred for years past by bopeful and confident amateurs, and the general desire on the part of farmers, and even citizens with city yards or rural lots, to plant grapes, in larger or smaller numbers, we could
not pass this decision calmly by, as the settled not pass this decision calmly by, as the settled
judgment of even the majority of intelligent judgment of even the majority of
cultivators iu Easteru Pennsylvania.
I had promised to furnish bints for your paper on such topies, aud thought this was oue emmently caleulated to awaken interest and promote increase of knotwledge. Hence, the
subject of Grape Culture, as a remunerative business, and its difficulties, was not eutered upon in any dogmatic spirit, nor with any preconceived theories or hobbies by which the
general subject was to be measured; nor yet general subject was to be measured; nor yet
with the idea that I possessed any more than my sbare of knowledge of the subject; but my sbare of knowledge of the subject; but
with the single hope that by calm, deliberate inquiry truth might be developed.
quiry truth might be developed.
But the pursuit of such knowledge is not Without its difficulties; first, the printer, or some one else, destroyed the text of my discourse, by dropping an innocent negative, and so befogged the critic, and mortified the writer. As I had designed to follow up the topic, I made no formal correction of the error. It
becomes me, however, for my own sake, to
make my position clear, aud to state definitely
that I am not one of those wbo believe that "Ont-door Grape Culture" is a failure, even in
"On on on the this region of our eommou eountry; though, from the evidence before me, I eamnot deny that the profits are to a certain exteut une ertain.
Having stated my deliberate convietion, it is not my desire to oeeupy one more line of your
valuable space. I must, however, add that I valuable space. I must, however, add that I
atmospheric moisture," as an essential agent in luxuriant growth. I refuse, however, to admit that it is everything, or even more han auy of the many essentials to healtb aut luxurianee in the grape. Atmospherie humidity, depending on a just balance between heat and eold, or the absence or presenee, in ex-
cess, of disturbing curreuts, has heen regarded by me for years as a elue to many vegetable diseases eaused lyy parasitic fungi, and diseases of the epidermis and plaut tissues; but as our practieal men say, of what benefit to us is this theory? How do you propose that we shall remedy tbese effects, the eauses of whieh are
beyoud our control? Then the Scientific man has the worst of the argument, and be labors and waits.
Again, I do not believe that the European systems, so deeply grounded in the vine cultiva ors of our large wine distriets, are the eauses o believe, on the eontrary, tbat the more closely we approaeh the "elose pruniug" system of Europe, the farther we are from success; and hat we bave ouly partially succeeded, becaus necessify has taught the importance of the the famous Kelly Island region, so well adapted by its climatic peculiarities, is not without discouragements, if I may credit what I read.
But enough of this; I lave stated, and I again state, that we may yet hope to see the culture of the indigenous varieties of the grape a suc oess, if the true causes and principles are carefully studied and digested, and the praetice based upon them is duly carried out. If we must only plant the vine in favored localities,
with steady atmospheric hnmidity, suel as with steady atmospheric hamidity, sueh as
the lake districts, theu, indeed, as far as the masses of our people are concerued, the cul ture is a failure. But we have no such gloomy forebodings; as in the past, so in the future The grape, earefully planted and skillfully managed on the trellis of the cottager, and is the rineyard of the Vigueron, will yield it
refreshing fruit by laps-full; at times reduced refreshing fruit by laps-full; at times reduced
by un oward atmospheric influences beyond man's control. To secure this eud, however, nature must not be too far thwarted-our for greedy man lay too mucb of a hurdeu ou the amel's back.

The Preservation of Frutt Trees.-The Farmers' Club of the Americau Institute, of New York, recently held a meeting, at which diseussion took place on the best method of destroying curculio on fruit trees. One of the
members stated that if a hole was bored in the members stated that if a hole was bored in the
body of a tree and filled with sulphur, it would so infect the tree that no insect or worm would live upon it. Upou some doubt being expressed as to its efficacy, he said that he had Tried the remedy and spoke from experienee The chairman remarked that, if this be a sure preventive, it was worth millious to the coun-
try, and we need never lack a supply of fruit in the future.

Fruit Trees.-A correspondent of the Sei entifie American says that fruit trees should be allowed to shoot out their brancbes near the ground, protectiuy the trunk and the soil from elanges of temperature and the loss of moisture.
He thinks it never was intended that fruit should grow out of reach. It is stated that fruit trees, especially apple trees, bear better when the top branches are cut away and the limbs are permitted to grow lower down on the trunk.

Iv planting trees, vines, or anything else, never expose the roots to the air. Sun-light is almost fatal, even when they are moist. othin eovering is a great help.

## PRUNING WHEN TRANSPLANTING

We consider it importantto shorteu baek all fruit trees, slrubs and vines, when transplant iug. It lessens, by reducing the number of buds, the demand for supply on the roots as soon as that laid up in the bud is exhausted, and it gives inereased vitality and vigor to the remaining buds, by giving to them the suppld had they been left to remain. There is, bowhad they been left to remain. There is, bow-
ever, room for study in the practice of headingin, beeause of the vigor of growil and powe of produeing stroug, new shoots being mueh greater in some sorts than others. The peach, for iustanee, may be cut back to within two feet of the crown, leaving not a limb or twig, and yet the tree in the ensuing fall will be found, under good cultivation, to have made four or five strong shoots, eaeh as mauy feet
long, and with abundant lateral branches. Pursue the same eourse with the apple, an niue times out of tex the result will be only few feeble shoots of four to six inehes, with dead tree the following spring. The pear, when worked on the quinee, will hear much more se vere pruning baek tban wheu on the pear
stoek; and further, some varieties will endure more severe pruning than others. The grape, When eut back two or tlree buds, grows vigor
ously; but if left unpruned, it struggles a year ously; but if left unpruned, it struggles a year is dead. These are some of the many varia tions tbat an observing horticulturist will notiee on short practice, aud whieh will soou cause him to feel confidenee in transplaning
trees at any age, provided he be allowed to trees at any age, provided he be allowed to
prune them back according to their age and labits.-Horticulturist.

To Raise Pansies From Suips.-The soi should be rotted cow manure, and leaf mold a betle sand, if the compost is a little stif.When the bed is prepared, it should be water ed through a fine hose. The cuttings sloould he taken from short-jointed, unbloomed shoots, from the eenter or sides of the plants. Cut elose under a joint, and do not use old shoots. Take off the lower leaves. Insert the euttings in the soil, and press the earth firuly around they begin to grow, pinch off the tops of the shoots to encourage their makiug strong and hushy plants. Springis the best time for propa gating.

## Fireside 㨄iscellany.

## origin of the human race.

A learined German professor, meeting with a parson of the cburcb, remarked that "tbe Christian teachiug as to the divime origin of women and ehildren; but that men of learning know that the buman family is merely development of an inferior animal." "What
Was that animal?" inquired the parson. "It is perfectly evident," said the professor, "that the origin of the human family is an inferior animal, because tbe present generation pos sesses many advantages unknown to our an cestors, such as the use of electricity, of mag netism, the power of steam, \&c. If we go
back, consequently, a dozen or twenty genback, consequently, a dozen or twenty gen-
erations, we must come to a mere animal as the origin of 'tbe present race of man." "
am surprised," said the parson, "upon being asked a question, instead of answering it directly, that you only inflate your original prop osition. Tell me directly," said he, with more than his wonted aninuation, "what ani mal do you maintain to be the primal orimin of
the human family?" The gaunt and learned professor, evidently taken aback and coufused, said, with great hesitation, "The primal origin? Why, sir, the primal origin of the hu sey " "Now I admit" said the is the mon key." "Now, I admit," said the clergyman, fectly competent judge as to your own pa ternity, but I deny that you are any judge whatever of mine." The laughter on the part of the hy-standers, at the expense of the professor, was so uproarious that the gravity of the parson required him to beat a lasty re-- a farı.
treat.

## THE SUNNY STDE

We advise everybody to live on the sumny side of their houses. The room in which the family spends most of its time should be on he side ou which the sun can fud its way into Let the parlor, if it be seldom used, be on he shady side. We observe that there is not eottager so ignoraut that she will not set her plants, if she has taste enough to grow them, in the east window in the moruing, aud at noon earry them to a south window, and in he afternoon put them in the west window But perhaps she is eareful to keep leer children in the shade, and her preeious self, so far as possible, out of the rays of the sun. The plauts, in obedience to natural law, are kept healthy, while the ehildren and mother, being kept in the shade, suffer in consequence.
Light is begiuning to be considered a great curative agent. The ehief advantame in goimg o the eountry is to get iuto the suushine, and to be in the pure hreezes. If we desire merely to keep eool, we should stay iu the shady eity. People talk of "hot walls" and "buruing pavements ; " it is muel hotter in the couutry, for the hreezes that play there in midday only hring heated air in from out doors. But in the eity the breeze brings air in from the shady side of the street, and the lower rooms of a city house are much eooler in midday than the exposed houses of the country.
Parents ean do nothing better for their puny, siek boys than to put them on a farm for two or three summers, and let the sun bathe them the livelong day. They will, hy such a bfe, grow rapidly, and become tough, brawny and broad. We have seen this tried to the highest advantage in more than one instance under.our advice.

## NEVER GIVE UP.

Manya premature death bas occurred in consequence of giviug up. The sick person bedies. Fisound thed, thinks be is going to die, and could, death is ineritable, and let disease take its conrse. There ean be no douht hut that in many such eases hope still eherished, and the perseveriug use of means, might have saved aseiul life.
So also in the struggles of active life. The first speech of Disraeli in tbe House of Comnons, was a complete failure, his speeel it is House. He thus closed: "I shaill sit down
Her now, but the time will eome wben you will hear me." Numbers have sunk into insignificance mder a less rebuff. Disraeli was made of sterner stuff. Though it took him seveu years to recover from his disaster, he recleemed he exchequer "clad in the same carments he lad worn at the time of his renowned failure, delivered to a closely crowded assemblage the most brilliant aua the ablest budget speech that had been heard there since the days of William Pitt."
Every one should feel that bc is immortal till his work is done. "Try again," is as good for the adult as for the child. If convinced that the better. Cease to do evil; but when contending for the right, admit no defeat as final. We learn sometimes more from a failure than a success, and turn it to better accoant. Such should ever be our aim. Use all honorablc means, rely on the ultimate triumpl of right, persevere in the effort to deserve success, and ailure will never be inscribed ou your life work. good to expect, for that would only be a no good to expect, for
premium on imbecility.

Mant persons, especially ladies, are ignorant of the proper place in which to drive a \&c. Examine the wainscoting around the bot tom of tbe wall, and when you find the head of the nail that has secured it to the wall, immediately over it, from the bottom upwards, will be the only place wherein to find a firm footing for the nail.

Thex are going to make a Governor ont ot

The Season in Paris.- A Paris letter says: "The forward state of everything in the vegetable kiugdom is most remarkable this year. Everywhere, uuder the influence of a really spriug temperature, plants are springing up, fruit and other trees are puting fortb their buds, and the meadows already wear a verdant aspect
In the gardens of Paris and the environs, peaches and apricots are in flower ; the weeping willows and other trees whieh adorn the vieinity of the Pont Neuf and the banks of the Seine, adjacent to the capital, are very forward; and lilacs, if the present mild weather eontinues, will shortly be in full hloom. Even the chesnut trees which have been transplanted to the park of the Universal Exhihition, exhibit the same degree of precocity.

The Firosite 䱚use．
the farmer＇s fireside．
Around the fire，one wincry night
The farmer＇s rose chillurea sat $;$

 Low tappling at the boted door，
And bus，to galn thelr willing ear，

 Mon toiksorne nointain lites before
$A$ dreary，treeless waste bellind． ＂My cyes are weak and dim with ng
No road，no pall，can I descry ； No road，no pall，can 1 descry；
And these poor rags ill stand the rage
of suct a been Inclement sty of such a keen，Inclemeal sky． No more my palaied frame can bea
aly freezing heart forgets to beat， And driftlag saows my tomb And shlueld hospitable door， Cold，colld ild blows across the moor， And close beside farmer ran， The poor，half frozea beggar ninn， With sbatiag llmba，and pale blae fac The litule children flocking came， And chafed his frozen 11 mbs A comfortable mess prepares．
Thelr Lladness cbeered hils drooplag sou
Aad slowly down has wrinkled cheek The big round tear was seen to roll，

The children thea begaa to slgh， And all the res merry chat was o＇er； And yet they fell，they knew not why
More glad than they had fell before．

## The laivy，

## HOW TO MAKE BUTTER

y oraig bidile，esq．，philadelphia
cow，considered in reference to this que tion，is a machine for the manufacture of cream；milk and fat are mere refuse produc tions，iucidental to the operation．To bav and must feed it with a material capable of beiug converted into the article we desire The same machine wbicb makes＂sboddy， turns out the finest broadcloth；the difference of resnlt is prodnced by the different materials with which the machiue is supplied．It is pre cisely tbus with a cow；you may have the bes breed in the world，but if you feed with ＂shoddy，＂you can only expect＂shoddy＂to be produced．No milkman who bas any char－ acter to support，ever resorts to the gross ex pedient of watering his milk；he waters bis cow，and precisely the same result is produced A cow fed on swill exclusively，will give a product quite as thin and blue as can be de－ sired，and the labor of pumping is saved． During the Summer season，when cows are at pasture，butter is almost invariably good ；dur ing the Winter，when they are fed in stables， fine butter is the rare exception．This is mere difference of feed．A farmer who lives on the
refuse of his farm hiuself，can with difficulty be persuaded to feed its choicest productions to his cattle．They fare，generally，like himself， and are only supplied with that which cannot be sold．Most writers on these subjects cater to tbe wants oî farmers；and are always en－ deavoring to recommend cheap mixtures which are to obviate the necessity of expensive feed ing．This is absurd．A cow can exist on straw and can probably enjoy life on straw and turn－ ips；but witb such food can do nothing for ber owner．
In our climate Indian meal is the perfection of Wiuter food．Plenty of good hay，and a peck of Indian meal every day，mixed with parsuips or carrots cut up in small pieces，if fed to your cow，will give you as fine Winter bntter as can be produced．Of course，this food can be modified with fair results；but the more yon deviate froun it，the less satisfactory will be the product．You may snbstitute for
some of the meal，ground oats，or middlings， or cbaff；yQu may substitnte tmmips for the roots we bave mentioued ；you may give sec－ ond class hay，and yet bave butter whicb is marketalle．If you wish，however，really fine
hutter，don＇t be seduced from ：he path we have indieated；resist the flattering notices of oil turuips do no be deladed by eotion

Having now a good cow，well fed and well taken eare of，we are prepared to say a few rords in regard to the comparatively unim portant process of converting cream into but－ cr．There is a secret comnected with this operation which we now wish to confide to our readers，for mpon it the whole success makiug fine butter depends．It is cleanlines．s． Not that cleauliness，the absence of which would be a reproach；not the eleanliness at tending most household operations，but cleanli－ ness to a degree ol intensity almost hordering on the absurd．The churu，the pans and the butter towl，should be sealded after every use of them，and all towels and strainiug cloths boiled thoroughly before beiug used again，In cleauing，use soda in preference tu soap．When the milk is brought iu，fresh fron the cow， the first thing to be done，is to strain it througl a cloth or wire sieve，or better，through both． It should then be poured into shallow milk pans aud placed in the milk vault．At the end of twelve hours it should be carcfully skimmed，as little milk beiug taken up as possi－ ble，and at the expiration of twelve more hours skimmed again；twelve hours later it should be skimmed for the third and last tine，even more carefully than before．Should the milk， bowever，have turned sour before the third skinuing，it would be better to omit it．The cream from the varions skiumings should be placed in a vessel and stirred thoroughly twice a day until churned；this preserves a uniform consistency throughout．As soon as you lave sufficient cream collected， the betier In no event，keam longer than three days．The leugth of time required to produce butter depends a great deal ou the temperature of the milk；if allowed to become rery eold it will take s sme hours．As soon as
the butter is formed in sinall lnmps，work the the butter is formed in small impss，work the dasber back and forth until the pieces become ing them．As soon as your butter is taken from the churn，work it thoroughly with the spoon in the butter bowl，salting it at the sume time to your taste．Let it now remain two hours and work it thoroughly again；by this
time the salt will cause the butter milk to run time the salt will cause the butter milk to run y for the third and last time；form it into shape and print it．The object of such tborougb working is to get rid，entirely，of the butter milk；the smallest quantity of whieh， remaining，makes your butter raucid．Don＇ wash it out ；it is easier，but it injures th flavor of your butter．
There may be cheaper ways of making but er－there may be other ways quite as good a the oue we bave descriled－we have only un－
dertaken to tell our readers of one mode；by pursuing which we can guarantee them butter of the very highest quality．
Marcl， 1867.
Dairy Products of Vermont．－The quanti－ ies of butter and eliepse shipped frou St ． Al bans（Vt．）depot during the year 1866 were
Of butter $2,617,195$ pounds，and of cheese 862 ， Of butter $2,61 \tau, 195$ pounds，and of checse 862， $3,035,257$ pounds；cheese $1,175,261$ pounds． Tbese figmres，at the first glance，would indi－ cate a startling decrease in the dairy produe－ tions of Franklin county for 186G，compared with the preceding year．But the St．Albaus Messenger says the abrogation of the Recipro－ city treaty in Marel completely cut off for the year an importation of butter for slipment which had been quite extensive．In 1864，when Canadian importatious were included，the ship ments were：Butter，2，474，854：cheese， 623, 210 pounds．Heuce it appears that the butter production of Franklin conuty alone in 1860 was 145, ，00 pounds in excess of any previous rom Canada；while the deficieney in cheese it only 40,000 pounds．

A．Massachusetts，who got \＄20 remin ng the milk to a cheese factory

Lase in Daner Solls．－During the diseus ions at Sirratoga，last fall，on dairy farming several of the speakers remarked that the bes dairy regions were in those parts of the coun try where the soil is free from lime；and oth rs asserted that good，long－keeping hutte could not be made from limestone lands．This position was disputed ly a few of the speak ers on that occasion．X．A．Willard stated in his recent able and interesting address betore the New York State Agricultural Society at Albauy，that the best dairy farms in England were those resting on the oolite formation， which is strictly carbonate of lime，like com mon linestone，but more easily disintegrated and worked up．We allude to this slatemen for the purpose of inviting further attention to hoth sides of this question，as it may yet prove try Gentleman．

## 时arious 搰atters．

## STRAW AS FOOD．

Be careful of the straw．It is not very long since straw was regarded as worthless upon
half of the farms in the country．Of late years a different opinion has prevailed，and it is now generally recognized as an important assistant in the wintering of stock．Mr．IIors fall，a great authority on agricultural matters，

I am satisfied that the most economi cal use of food rich in albuminous matter，is to feed it with straw or other materials whicl
are deficient in this clement．＂Mr．Mechi，an olhcr great authority，says，＂I have long since adoptcd straw as food，and should consider myself foolishly uuprofitable to waste it use Rural World says，＂Straw when carly cut and properly curel，not dried，bas somewhat the quality of elover．But，olh，how neglectfu are we about the curing of straw，when it is one of the finest employments！There is a fragrauce about such straw，aud a pale green fint，which makes it a valuable and most pleas ant fodder．＂Straw may be fed with advan miage with meal or feed with carrots，beets on turnips．If straw was properly economized hay would be much cheaper．

## how to get warning of earthquares in Japan．

Eanmquakes have heen so prevalent of late in India，that they are now a topic of popular conversation．Many of our readers are，doultt lave，for centurics past，been cognizaut of a very simple mode of warniug against these sudden，often dangerous pheuomena．They
long ago discovered that the uaguet loses its attractive power a short time previons to a shock，and they have in every hoose a simple apparatus，consisting of a magnet suspended hy its own force to an iron bar，over a dise，or hemisphere of bell metal，on which it falls acc cordingly，and alarins the iumates，who have time to leave tbe walls before they are shaken． This plan could be easily adapted to a public alaru，we think，the weight of the falling mag net beiug adequate to ignite a pereussion fuse on a loaded cannon．The wonder it has neve been tried in eivilized countries，where earth－ quakes have of late been so prevalent．＂Mag netie storms＂have recently beeu observed hy medical practitioners in Europe to be forerun－ ners of epidemics，cholera especially；and we oo，have often noticed that coninuca cart epizootic pests．Is it unreasonable to suppose hat concentrated gases of poisonous virulence are discharged on the surface of the earth dur－ ing these violent convulsions of nature？

Origin of the Term＂Graie，＂as a Measure of Weight．－A grain of corn or wheat，gath－ cred out of the middle of the ear，was the ori－ gin of all the weights used iu England．Of these grains 32 well－dried were to make one penny weight；but in later times it was thought sufficient to divide the same penny weight into twenty－four equal parts，still called grains－be－ ing the least weight now in use－from which

FISH－CULTURE IN THIS COUNTRY
M1．Genio C．Scott writes to Wilkes＇s Spirit hat hish－culture in this country las recently he Mhine salmon were slipped to Mr．Selli Green，Mumford，N．Y．，by the chicf engineer rom the French Got Strasbury as a present ept sixteen days in the Newt．Tork Custom－ Iouse and when recoveret were entirely poiled．The product of these ort would have

Americans are begiming to understand the value of fish－eulture．Mr．Seth Green writes tock all the ponds and streams on Long Is－ （unc．＂Mr．Aaron Vail has heen nearly or quite as successful．Over a dozen fisl murser－ Vew Itampsbire．But allhough we are only beyinulug to appreciate this art，it is neverthe－
less a very old one．Mr．Scoth says that tit either lost，or confined to the Chinese and the monks of an Alpine region for many cen－ uries，until two French fishermen discovered ，and they were forthwith liberally rewarded and although it is not quite twenty years since sh culture reeeived its first encouragement in France，yet game fishes of luxury there，are as cheap as the coarse fisles are here．In France he laborer，whose wages are not more than half the price commanded in the United States， may enjoy an occasional meal of salmon and reen peas；while bere，none but the wealthy dream of indulgiug the expensive luxury．＂

It＇s Dark．－The following beautiful senti－ ments are from Meister Karl＇s Sketch Book， oucling tenderness

It is dark when the honest and honorable ian sees the results of years swept cruelly way by the knavish，beartless adyersary．It 8 dark when he feels the clouds of sorrow apprin and knows that the hopes and But in that hour the are rading wint intestit rill be a true cousolation，aud assure him eren here on earth of gleams of light in Heaven． It is dark when the dear roice of that sweet child once fondly loved is uo more heard around in murmurs．Dark when the pattering a more resound without the threshold， aecnd step by step up stairs．Dark when oute well known air recalls the strain once oft ttuned to childish voice now hushed in death！ Darkness；but only the gloom which now eralds the day－spring of iumortality，and the ufinite light of Hcaven．

An Anecdote of Dean Swift．－The ec－ Parc Dean Swift was walking in the Phouix ark，iu Dublin，when a thunder slower came ，and he took shelter uuder a tree where a and two young men．One of the girls looked ery sad，till as the rain fell her tears fell．The Dean inquired the eause，aud learned that it was their wedding day，they were on their ray to the clurel，and now her white clothes cre wet and she couldn＇t go．＂Never miud，别 hem，their witnesses being present o make the thing complete，he tore a leaf from his poeket－book，and with his pencil rote and signed a certificate，wbich he hauded the bride．It was as follows：

## 

A Foon Pr：28．－Madaune Guerineau，sister the eelelirated traveller Lalande，has handed M．Drouyn de Lhuys，is President of the Sciety of Acclimatization，a snm of four thousand francs to fonnd a prize in memory of her brother，to be awarded to the traveller who，by his discoveries，shall have done most rowards improving the food of the human towa

## The frield

## potato cuiture.

by thomas J. edge, LoNDozgrove, pa.
Frost the Enstward course of the potato bug this crop is annually becoming one of more in-
terest to Esstern farmers, npoul whom will soon devolve the necessity of raising for Western consumption, inasmuch as our entomolo gists give the potato bug twent

## the longitude of Philadelphia

Iu treating the subject, I propose to diride it into sercral parts; as, for instance, the prep
aration of the ground, kind of seed, manure after culture aud digging.

The kind of soil which seems best to suit the potato, is a rolling, mellorr soil, inclining to the South; the soil should be deep and mel-
low, either natural or made so by culture. If low, either natural or made so by culture.
planted on level land, they are unore liable to rot, and other things being equal, will not make as good potatoes, nor as larse a yield as ou ground suffienest article can only be produced from poorish land, made good by a kiberal sys tem of manuring; for while heary, rich land
mày produce the largest yield, from a given area, it is at the expense of the quality of the crop.
be less impeded by sod in the preparation of the ground, I usually select the corn ground of the preceding year for poratoes for it presents no impediment to deep plowing
and subsoiling; and, at the same time, furnish es a large amount of undecayed vegetable mat ter in the form of corn-stalks and roots. The
sod tmrned under the previous year, when plowing for corn, is entirely or nearly decayed; an also furnishes nourishment for the crop. For this crop I would, if possible, subsoil deeply for my experience has convinced me that no other crop will so well repay a thorough prep aration of the ground. Some object to thi operation because it doubles the expense of
preparing the ground. So it does; but I have often found that it will double the crop also; and it needs but little argument to prove that it is better to donble the crop from one acr than to obtain the same amount fron tir
acres, with twice the mauure and seed, an acres, with twice the maunre and seed, an
nearly the samz amount of extra labor in harvesting.
By subsoiling, I do not mean to bring the subsoil to the surface, but merely to stir and
loosen it up; for this purpose use a Mapes loosen it up; for this purpose use a Nlapes every furrow. Many object to subsoiling, because they keep but one team, and cannot hire one during the busy seasou, at the time of po-
tato planting. To such I would recoumend the plan of plowing the field in narrow lands, for by so doing, a round ean be plowed on each laud before the team is changed to the subsoil plow; and the same number of rounds may back again. It "takes more time," it is true but we must remember our national questiou "will it pay?" and not "how much does i cost ?" If you have neither time nor teams, it
would be better to cultivate but halt the ground, as abore. For the operation of subsoiling oxen will be found better than most horses, on account of their patience and steady draft athough I have performed the operation rery
successfully with horses ; but on my ground it successtully with horses; but on my ground
tries their patience to the fullest extent-to say nothing of that of the plowman himself.
The Hapes' subsoil plow, if properly used,
will, when following the common plow, fully fill up the open furow with the pulverized subsoil before the nest furrow is thrown over thus thorouglly loosening up the soil to the depth of at least one foot; though in soil free from stone, by turning a furrow eight inches deep, with the common plow, I have found no difficulty iu running the subsoil plow from six to eight inches deeper ; thus making a loose, mcllow soil, to the depth of from fourteen to sixteen inches.
If barnyard manure is to be made use of (of the propriety of which I will treat hereafter), it must, of course, be covered by the
common plow, and laid between the surcommon plow, and laid between the sur-
face soil and the lower subsoil; hut if artificial
manure is to be used, it should be applied be tore auything further is done, in order that may be thoroughly incorporated with the soil With artificial manure, my opmion is similar to what I have expressed with regard to the preparation of the ground; riz. :-that it is better to concentrate the application of the ground.
The next operation will be that of making out the rows, which can be best done b "back furrowing" the whole field; that is, by ging toackwards and forwards aces to lighl mellow ridge ; care must be taken that the earth of the second furrow is not thrown rer the crown of the ridge iuto the preced ing furrorr; but a little practice will mak both team and plowman expert in the operation; thus we will have the whole field o which will leare au open furrow on each sid of it ; the distance apart of the rurrows and heir regularity will, of course, depenì a great deal on thi expertness of driver and tean but after repeated measureneut, after my own and other teams, I find that the furrows do not
vary much from thirty inches apart, and the ridges about sixty.
If the potatoes are to be planted in hills, the most expeditious plan to mark out the rows in the other direction will he to attach three or nore chains to a stiff pole; placiug them the proper distance asunder to correspond with
the width of the rows; a mau at each end of the width of the rows; a mau at each end of
the pole, br walking across the field, will mark it out much faster than can be done in any other way; and, at the same time, will not disarrange the rows or ridges; the last mark f the preceding "pass" will, of course, serye as a guide for the next "pass." With regard after a fair trial of greater or less distance, prefer the rows thirty inches apart; and the hills three feet apart in the rows: or iu other words, thirty-sis inches by thirty; though the distance must in a great measure depend upon the kind of potatoes under cultiration. For the Cuzco, Early Goodrich, Monitor, the abov distance will be found to be much more crowd-
ed than Mercers at two feet square; planted ed than Mercers at two feet square; planted
thirty-six inches by thirty, the tops of the Cuzco Goodrich, or Monitors will occupy the whol ground; while those of Mercers, planted two feet square, will not occupy the whole space. The more prolific in tops, the greater distance the hills should be apart.
The next subject must necessarily be the seection of seed, which is also one of much difficulty; for it is impossible, or rather imroper for one correspondent to cry up any ne rariety as the one, to the exclusion of the tastes and fancies of others, and other locali-
ties; thus around Boston the Jackson Whites eem to be the standari; when, near Nev York, the Peach Blow claims its superiority the Philadelphia market-man sets the highest ralue on the Mercer; while his friend at St. Louis holds on to the Buekeyc, and wonders hat the Yankees don't know enough to plant In fact, it is butanother illustration of the id proverb, "one man's meat," de.
Each farmer must, of course, humor the market for which le is raising, thougl a differ ace in field may much more than make up difference in price; thus, in my own experidred bushels of Mercers per acre, I can raise hree hundred and twenty-five of Cuzco, or Monitors, without any extra manure or cultivation; so that for me, eren at half price, the
Cuzco and Monitor are most profitable; whil with others the case may be different.
With regard to planting whole seed or cut secd, large potatoes or small, and other differ ent uodes of cutting, I will defer for another
article ; or I shall pass beyourl the bounds proper for one correspondent. I shall say nothing further with regard to the preparation of the seed thau that I would drop the sets, and not ay them down as some do, in such a careful manner. I have sometimes seen careful (?) farmers place every set cut side down with the atmost ease ; and then turn every third furrow lown on them ; but not till fifty per cent o
plowman. A littie nore care in the preparawion of the grouud, and let better ou the crop.
till
Tue most expeditions plan is to drop the set from a bucket. If the bottom of the furrow is in proper order, it will not roll far from where it strikes the ground, or if in few eases it does, the toot will readily put it in its place. A ter repcated experiuneuts, the
only differeucc which I can see between laying the sets down and dropping them, is that iu the first case the sprouts come through the ground with more regularity; but I uever could ind any difference iu the crop; hut I know that twelve hours' work at each method will
cause a nateial difference in the feelings of cause a material differenc
the back of the operator.
Having placed the sets in the furrows, the next operation is the corering; this I do by horse power in the foilowing manner: six rows at a time. If I hare beeu sufficiently ex plicit in my description of ""ack-tirrrowing, will readily be understood that betrecen erery
pair of ridges we leare two furrows separated by a flat picce of soil which has not been dis-
turbed by the marking-out plow ; this furnishes a footpath for the horses without disturbing the seed in the furrows. For a coverer, use a piece of scantling six inches square, by sixteen o eighteen feet long; attach a horse to each nd, and you will find that they will be able to take three ridges between them, and cover si. rows by walking upon those flat spaces; if one
passage does not level the ridges down enough, the horses, when they arrive at the end of the row, may be turned back over the scautling and repeat the operation. Some will probably object that tlis will not cover the seed deep enough. With regard to this, I would say that I would greatly prefer to cover as shallon as possible, and firisll the covering by the after
working.
As soon as the most forward of the sets show themselves, the field should be well bar rowed two or three times, in order to thoroughy destroy any weeds which may have starta with the potatoes. May of our potato grow ers do not seem to understand (judging from heir mode of procedure) the importauce of this operation. If it is properly done it will make the labor of after cultivation fully filty per cent. less, and keep the ground loose aud
trec from weeds. Eren if this thorough harrowing does in a great measure keep down the weeds until the tops, by their shade, can fight their own baitle, yet the repeated hoe harrowing should by no means be neglected; for no crop will pay better for keeping the soil loose than the one we have under considcration.
After trying various patented implements, I hare found nothing hetter than a eommon plow drawn by speedly horses, run directly under the roxe, turning out the potatocs at one operation.
After picking up all that are ou the surface, a After picking up all that are on the surface, a hoe-harrow run once on top of the row will
uncorer the remainder. If the ground is iu good order, and not too wet, Roger's Pctato Plow will do its work well; but a few stones or clods will so disarrange its operation that the time lost will more than make up for the
use of the common plow.
The time of digging cannot, of course, be fixed in a jomnal hariug so wide a circulation as the Farm and Fireside; for the time pro rule is to dig as soon as the most forward tops are dead, and, on no account defer it after twenty five per cent are dead; for as soon as the tops die, the potatoes hegin to deteriorate in quality, and if a wet Fall should follow, there is great danger of rot and disease. As I usnally fol low potatoes with wheat, I, of eourse, get them up as soou as it will be safe, and not be too late with the wheat erop.
March, 1867.
Hoteys New Mryorca Melox.-A new and fine variety of the true Minorea melon, in troduced originally into Canada, and grown and acclimatized there, so that the finest specimens have beeu produced in the open air in tha northern climate, are now attracting unirersal attention, and have hecn exhibited at the Provincial Show, carrying off all the prizes. These melons attain the enormous weight of
00 to 30 lbs , and last rear a gentleman iu Bur-
lington, Vermont, raised six melons from two seeds, the smallest of which weighed 20 lbs. and the largest $26 \frac{1}{2}$. They are of a round o roundish oral shape, and yellowish skin, rery thickly uetted all over; and the flesh, which is very thick, is red, very rich, sweet and de licious. It succeedsunder ordinary cultivation, and for the market or for exhibition purposes, is a fine acquisition.

Early Sebec Potato.-Much attention has been given to the improvement of the potato everal excelleut seedlings have been intro uced. Among all these, howerer, the Sebe has proved the most reliable, being earlier than the Goodrich, producing quite as ahuniantly and of superior quality. It is similar in gen eral appearance to the Jackson White, and is uudoubtedly a seedling from it, as it was found, we beliere, iu a field where these were grown. It matures fit for the market in from 60 to 63
days.-Hocey's IYagazine.

Imrofed Farming Luplemeyts.-The New York Ereuing Post, remarking on the great improrement recently made in farming implements and machinery, gives somc observation made in the West by way of illustration. corn field coltaining one hundred and sixty acres was plowed, planted, and cultivated without subjectiug the farmer to the trouble of going on foot at all. The ground was prepared by the use of a rotary spader, on which the operator rode; was planted by a two-horse machine, the driver seated upon a box; when hoeing time came, a cultivator performed the peration without involving the necessity pedestrian exercise. When the corn is ripe it scut and laid in rows by a two-horse machine -thus completing the cycie of machine cornaising. On the farm of which this corn-fiel ormed a part, there was a field of timoth comprising seven hundred acres. It is the im proved farm machinery which has rendered ach extensive farming operations possible and profitable at the same time.

Uxfermexted Mantre.-Many excellen farmers have an idea that manure to be most efiicient in raisiug crops should be well-rotted but this is a mistake. Manure loses a ver heary per centage of its real ralue by decompositiou. Fresh manure, dripping with anima urine, hauled directly from the stable on the land and plowed under, is worth nearly double that whici has decomposed to a saponaceous consistency. When it is convenient for farurs to haul their manure on corn-ground from the stable as fast as it is made, it sares handling twice, and forwards the work in busy sprin lime. No fears need be cntertained that the atmosphere will carry off the strength of the manure if left on the surface. The only danger to be apprehended by this methoch, wiil be in case of the ground being frozen and coverwith snow and ice when the manure is appied; if upon sloping land, the virtue of the manure might wash away; but on level land
there is no exception to this plan of operation during the entire fall aud winter season.-Ger mantoun Teiegraph.

Destrox Caterpillar Eggs Now.-The Iaine Farmer says that during this month the eggs of the apple tree caterpillar-which ma be found encircling the ends of the small twig of trees-can be much more easily and completely destroyed than at any other time of the
year. They cau be readily seen, and by choosmg a warm day for the opcration, with a light ladder upon which to ascend the tree, and a small basket in which to put the twigs containiug the nests, tie work can be periormed most satisfactorily

Weather signs.-A rosy sunset presage good weather; a ruddy sunrise, bad weather A bright yellow sky in the crening indicates rind; a pale yellow, wet. A neutral gray colrat erening, is a farorable sign; in the morning, an unfavorable one. The clouds, if soft,
undefined, and feathery, betoken fine weather but if hard, sharp, and definite, foul weather Deep, unusual hues in the sky indicate wind cr storm ; more delicate tints bespeaks fair weath-


## AND S. s. Foss, EDITIORS.

SATURDAY, MARCII $2: 1867$.


## vegetable mold.

Av intelligent correspondent asks our "opinion of forest teives as a fertilizer :" Had he inquircd il' carbon, oxygen, lydrogen or am-
monia were essential to vegetable aud animal monia were essential to regetable aud animal
existence, he could not have asked a more pertinent or selfectident question. The inquiry covers a wide fichs and to reply in detail, we might wander back to the origiu of soils, tclling him that all scils were formed ly the conglomerate debris of rocks; of a mixture of or-
ganic or inorganic matter, sand, gravel, clay and the remains of plants and animals. It the carth possessed no mold, veretation would not flourish to a great extent. We should have
Byron's terrific poem on "Darkness" illustrated; and though the sun was not extinguished, and the stars did not

## Rayless and palluless, and he lics earth

we shoukd, nevertheless, have a comparatively unproductive earth, and its present population would suffer from famine, and her "cattle on a thousand hills full feed.
An able writer says:-"Mold is the half way house between the living and the dead. That tells a great truth-after deducting the poetic license. Vegetable mold covers the whole surface of the earth. It is the mantle that hides her makedness; that feeds her myriads of plants; that fertilizes her valleys and hill-sides, and is the great frieud to the agri cuiturist. This vast accumulation of mold comes in lutt from forest leaves that annually
fall to the ground, that rot or become decomposed. Oi course, the value of all mold depeucls on its chemucal eomposition, also in the exteut to which its substunces are retained. When mixed wilh mere earth
rocks-either ly mature or by the plougshare, it makes the soil friable, renders il porous, and promotes fertility. The color ol mold, always dark, aids the absorption of solar heat; it also
drinls up the dews (the earth's perspiration), and is ever greedy lor showers.
Vegetable mold, in its rirgin state and strength, overflows with fertility. But it becomes exhausted by constant tillage; jusi as
a man's pockets get draned of cash by frequent purchases. But the farmer who understands his profession, keeps up his stock of vegetahle mold by ploughing in grecn crops; by putting a luxuriant crop of clover uuder the surlace soil, thus renewing the origiual deposi "ploughed in" for the purpose of renorating worn-out soils. It is beneficial, as are all green crops; hut clover has more nitrogen than huckwheat, or even rye or wheat straw:
To return to our friend's inquiry, we reply that forest leaves make a capital fertilizer-
better than stable manure, better than stable manure, or the fertilizers of
commerce. The leaves of some plants and trees possess more fertility-after decomposi-tion-than others. A hlin, barren soil will only grow stunted plants and trees, frequently small pines, and like species; while heary, loamy land will produce the oak, hickory and
chestnut. The leaves from the latter produce the best moll. Every farmer should collect all the forest leaves possiblc, put them iuto the compost heap and use liberally. We shall resume this subject by and hy, aud give our wiews on the best method of collecting the facture vegretable mold.

Back Nembers.-We have complete sets of the Farm and Fireside, from the commenee ment. New subscribers can seeurc back numbers, or commence at any time.

## PRESERVATION OF THE FORESTS

Tue Michigan Legislature is considering the subject of preserving the splendid forests of that State. They supply so many lumber mat kets that vast tracts are being stripped, an her seientific men are ol the opinion that ad verse climatic changes are being therchy in duced. The crops are deceriorating in quality pernicious insects are abuadantly develop ing, the winters are more severe, aud the fer tilizing rains less lrequent. These elanges ar partly attributable to the denndation of the forests. Europeau expericuee contirms the
idea that the destruction of torests tends to sterility.
It seems somewhat coutradictory that while
in the popnlous districts trees are planted and teuded witb a sorl of reverence, and money lavishly appropriated by the city authorities for the creation and extension of wooded parks, "those breathing places for Godl's poor;" the
pioneers of the West are hewing down the forest trees without merey or discrimination.

It is no wonder that the sarans of Micligan ave taken the alarns. Argument is no longe necessary to convince cven the semi-intelligent
classes, of the importaut part that lorest trees perform in the great play of hydro-vegetahl harmonics; attracting the rain clouds, break ing the fierceness of the winds, and clrinking in with their millions upou millions of leafy lungs, the deleterious gases in the air, and throwing out iu their stead, abundant suiplies of fresb, invigoratiug, life-inspiring oxygen and in scores of other ways contributing to
man's healtb and comfort. They are Nature' silent alchemists, working day andi night in the great laboratory of the universe.
It is a pity that our forest sauctuaries are oo louger invested with that reverence which was bestowed upon them by the ancients, whe belicred that each tree had its attendant having first offered up an ejaculatory prayer to the gods to forgive theu the sacrilegious act. If such reverence was superstitious, it was Iso poetical, and saved to them their fores trees. America has heen, and is yet, noted for
its vast tracts or forests-deep, impenetrable, awe-inspiring forests. In those far Western wilds the poet has sought inspiration for his muse, and the landscape painter bewitching limnings for his canvas. But unless laws are interposed to prevent the destruction of these orests, which destruction is, in om estimation wretched piece of randalism, they will be among the things that were, our soil rendered sterile and its physical surface shom of its
fairest ornament. urest ornament.

## NEW ENGLAND AGRICULTURAL SOCIETY.

Tue Excculive Committee of the New Eng and Agricultural Society, have decided that he next Annual Exhibition shall he held in Cranston, near Provideace, R. I., on the 3d, th, 5th, Gth and 7th days of September next. This Exhibition will be in connection with tbat of the "Rbode Island Society for the Eucouragement of Domestic Inclustry," from which the invitation to the New England Society came. Col. Amasa Sprague has tendered the free use of his new Troting Park, in Cranston, for the Exhibition. It embraces an area of seventy-five acres. The buildings, for spectators, officers and animals, are all new, horoughly built, and well adapted for the purposes required. The building for visitors will seat five thousand persons, with protection rom both sur and rain. Tlose who have cen this Park, aliirm that it is not surpasse 1 the Uuited States.
As this Exhibition will be larger and better han any everbefore wituessed iu Rhode Island, we trust her eitizens in general will aid the nterprise in every manner possible. The cputation of the State demands it.

> ia Wheat. -We are inclebted B. Rogers, Philadelphia, for samples Califormia Spriug wheat. It is remarkable for its weight and productiveness-weighing full sixty-fire pounds to the bushel; and on the Pacific shore yielding eighty bushels per acre! If it will do half as well as that in the Niddle States, it should be sown hy all our farmers.

## lotisiana a wheat-growing state.

Albeany efforts are being made to reorgan fe the industrial interest- of the Souflo. Not anee, allied witl gurod jud stuent and ifetter se curity to life and property, to inaururate in
that localtity an era of prosperity whicis will lar surpass the wident dreams of the old shat ery propagandists. The native resonces velopment will furnish prolitable employment or centuries, to millions of intelligent work ciousness of this fact they will no longer ro cive, in cxplanation of the morerty, the diculous cloctrine brouched by the politician lered by the North for yea
Judge Robertson, of Louisiau, hats recently made an elaborate report upou the resource of that State. Its most interesting feature i culiarly adapted to the cultivation of whea Ie recommends caution in the selection of seeds, statiug that the Meditermean varictic vould be most adaptable. The Judge is quit sanguine, and if the golden visiou he antici pates opens up to view, the rest of the agri
cultural world will heartily rejoice, instcad of becouming tiuctured with jealousy. We sub join a statistical and prophetic abstract of the eport.
"Wheat with us should ive planted in Sep linl season lor preparing the ground. It may May, a time usually scleeted for making brick, on acconnt of its lair weather. The daily quo tations show that Southern flom, raised in
Missouri, Tenuessee and Virgiaia, briags from Missouri, Tenuessee and Virgmia, briugs from best New York Genessee flour. Louisiana and Virginia or Missouri, owing to the superio dryness, and the faet that it contains more glu ten aná does not feruent so easily. Southerr Northern or Western fiour ; it is better adapt ed for transportation over the sea and keeps
hetter in the tropics. It is, therefore, the flour ca, Mexico, and the West India market, which ca, Mexico, and the
are at our doors.

A barrel of strictly Southerif fiour will mak twenty pounds more bread than Illinois flour, because, hemer so much drier, it takes up mor
water in making up. In addition to this vas water in making up. In addition to this as
superiority ol our grain, we nave otber ad
vantares over the vallages over he western states in gemin rapiclly that we ean cot our wheat before a scythe is put iuto the fields of Illinois aud being so near the gulf, we avoid the de
lays in shipping and the long trausportation, the cost of which consumes nearly one-hal of the product in the West. These advanta res, the superior quality of the thour, the ear-
lier har vest, and the chcap and casy shipment, enable us absolutely to forestall the West in the foreign demand, which is now about 40 , creasing, and also in the Atlantic seaboard creasin
trade.
Mass

Massachusetts, it is calculated, raises no more than one mouth's supply of flour for hel
rast population. New Yow not six months supply for her population, and the other At lantic states in like proportion. This vast de and the trade has enriched the TVest, and has built railroads in every dircction to carry to card the East the gold-producing grain. We
can we choose, have a monopoly of this immense trade, aucl the tiune may not be lar distant, when, in the dispensation of provi dence, the West, which contributed so largely To the uprootiug of our servile system and the
destruetion of our property, will find that she has forcel us into a rivalry against which she cannot connete, and that she will have to draw not onty for supplies of cotton, sugar and rice
but even for hreadstuffs lion the South."

Pemnstlyania Agricultcral College. The Trustees ol this institutiou met at Harris burg, recently, and appointed a committee to contaiu one bundred aeres, in the Eastern part of the State, and one in the Western, in persnance with the law recently passed by the Legislature.
This idea may be a good one, but we hope the prineipal College, in Center county, will not be ignored by the haste 10 start new, experimental farms. There is such a thing as

## LARGE TROUT

| Farm, recently asked the fishing editor of that journal, if trook tront ever grew to the size of eisclat pounds?" The editor replied that he onec captured a tront in the Androicorgin rivcr, welghing " aine poutuly." Further, he Fated that brook trout had been taten weighing "fifteen poends!!" <br> Now, we camnot quite believe this. Brook tront never grow to that size. There are many varictics of the North American brook troutlour of which ought, long since. to have been classet as clistinct species. We have canrht, in the ponds and rivers of New Fhgland, some very latge trout; but they were ponel troutevery one ol theu-dull, dusky brown along the back; sides, muddy olive: some withour specks: others, dimly' llecked with dull ochrecolored spots, sometimes shading with greenish red. <br> The genaine brook trout is maked with bril- . liant vermillion specks; a motted hom color Balong the baek; sides, silvery white, and nearly perth white on the belly. It is entircly alitflerent from grand trout-this latter specics may grow to the weight of "lifteen pomens," but we would rather see them than to take any body's worl for it. We kuow that true brook |
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## MORWEGIAN LABORERS IN TEXAS.

## prominent Norwegiau geutleman by the

 name of Paulsen, now a resident of Northern Texas, left this country for his native land, on the first of this month, for the purpose of selaborers in Texas. IIe expects to arrive at Galveston with them, about the first of September. The Norwegian laborers are strong, robnst, lionest, sober and industrious. They are raised in liumble circumstances, ohey orders promptout of the twenty-iour. The contract with the planters for these Nor-vegian men and women is for two ycars, and is as follows:-
First year the agency cxpense (sixty-five dollars in specic, or its equivalent in greenbaeks), to the laborers, men and women the samie. Second year, one bundred dollars and lood and clothing for the men, and seventy-five

## For mechanics the price is somewhat high-

 er than for field laborers; and suelı partieular home, must receive a better recompense than above enumerated.We see in this movement much that will The planters will be rewarded by inereased arops through the labors of this lardy raec, mportation of what they used to call "Northern white trasb."

Plant Ford: Peas.-Tbe later part of Tarch, in the Middle States, will do to put in peas. They require a low temperature to grow
them to perrection; and, the sooner they are lanted, after the frost is out and the ground ettled, all the better. There are many good early varicties, among them are the Daniel, O'Rourke, Extra Early, aud Tom Thumb.Ve confess to a prelerenee to the first; and hey are gencrally the lirst to be had in our city markets. An adrantage of the Tom Thumb varicty is, that they require no hrnsh or stakes;
they grow on a small space-in rows fifteen meches apart-and are suited to nearly all soils. Our New England friends will not think of lanting or sowing peas before next montli. ack Frost don't frighten peas much, yet there little gaiued in putting them in until the carth gets wamed up by the Spring suushine. Fine stable manure is a good fertilizer, and so bone dust, for evcre they are profitable as a field crop.

5ar Hiram Woodruff, the well kuown horse trainer, died last week, at his residence on trainer, died
ílong Island.

The Firesine 酔use.
THE HOME OF MY CHILDHGOD
Whiten for the Fram and Firside.

## 










## 


Fireside Tale.

## THESE WOMEN.

"These women ! "
The young man said it in scozn, iu his pride of strength, his force of will, possessioz of ad rantage, and power in law; forgetting his in numerable needs; needs to come, it not the
felt.
: These women! I wish theyd stay at me where they helong. Shops and stores home where they helong. Shops and stores
are no places for them. I nerer want thein round a shop. I wouldn't work with them." A young woman, hunting for employment, Was just closing the door: She heard the firs words, "these momen!" spoken with sucl scorn.
These women! Why, are they not Godmade? Are they not the mothers, sisters wives and danghters of the lordyy men, and should they not he cared for, for their sake?
It not, men suffer as well as they: each sin coming home in rengeance-eacl and ever sin.
The roung woman ieard it, and turned a wa more crushed hy oppression than she had be fore been bs want

These women!" she repeated half-hitterly, realizing a man's hurdens pressing upon her, $m a n$ 's duties and necessitics. She had not only bread, and clothes, and shelter to earn for
herself, but a tamily to support, a herself, but a tamily to support, a mother, and to be!-to provide for. And what was she to do,-woman as she was? She had strong active museles, a ready brain, a pliant will, steady purpose, every element of succes ${ }^{3}$ Why could she not eluploy them all in r munerative toil?
Are not these what bring gold to uen? Wh not to women ?
Just because they are women; because of a prejudice, left of the old days of Egyptian darkness only now passing. not yet past, when women were the meanest slaves of men, thei meanest task-servants, kept as their
a soul and immortality denied them.
Did you ask what became of the young woman? I only know she turncd away hlushing with shame, tearful mith sorrow. The man who madc her hlush and weep, sam as much as that, and laughed sneeringlylaughed and went on in his work
Had not that young man a wife? His wif was only his servant, her life an appendage to his : she lired only as the permitted her, following his mays in wifely duty.
But, at last, in a little cradle that rocked hefore his hearth, there smiled a pretty, hlueeyed child intn his face, that stirred his heart most strangely; the keen, flashing eyes softenmost strangely; the keen, flashing eyes soften
ing, and then growing glassy with their tears.

That little, eradled thing, only a girl, and because she was a girl, too,-had opened fount of tenderness hidden even from himself There was his face, his lip, and eye, and fea n5 with it.
The strong man looked steadily into the little face, looked and thought what had bee done for woman, and what might be, till all womanhood clanged for him; looked, and set his teeth, and knit his brows, and pledged his streugth to spare her, to shield, aud shel, and uurture her.
Then, the thought crossed his mind, had the women he had scorned ever heen as pure and beautiful as the child that mored him so-and That had chauged them? Who had laid rude, wronging hands upon them?
Then, lifting his strong arm as if in pledge, he made a silent oath that never harm nor hardship, never scorn nor slame, should hlight or sadden one woman's life-his laughters.early and late to proride for her a future without waut. But ean any man do what he will? Is the future his? Can he spare a fate? Not reu his owu: much less another's.
The strong man fell a prey to sickness. The muscles shrunk and withered, the blood lay cold in his reins. He could not lift himself. Weak as the reakest woman he lay, dependeut for everything upon a woman, his daughdead. The earnings of his strength had heen scattered to the winds.
It is hard for a man to he dependent on a woman. any man on any woman, but most of all for the man who has scorned the woman
rule. But, br the great law of retribution, rule. But, by the great law of retributio
"Mary, is the meal out ?" said the sick man.

## ces, tatier; why

Yo inater, clind.
The man turned in his bed, and Mary turned her face away from him, and husied herself about the room.
A minute or two went slowly br, and then the sick man spoke. The girl had not courage. She had so often heard her father say hat she should never carn her hread, certainly never earn it in shops and offices, like men,
that she did not know how to tell him of the that she did not know how to tell him of the
stern necessity that she should do it uow-try to do it. She had been sewing slop-work, reariug out her very life over it, without heing able to supply her barest wants with hcr earniugs. It would not do. The point of tarration had come; not even meal for gruel nn the house. Her father had to propose it.
"Can't rou get work in a shop, Mary

## Youll earn more."

Perhaps I could, father; I've thought of
"I guess you'll have to, till I get well."
Shall I go out aud look for work now
Perhaps it's as good a time as any.
Mary went. She smiled in her father's face s she left him, saying a pleasant good-bye.
But the father could not smile. His Bat the father could not smile. His ere child going anxiously from shop to shop, climbing the long, wearying stairs, tremblingly making her way into the great shops where coarse men would stare into her face with rude and curious gaze. He heard the short, unfeeling "no," repeated again and again in answer to the question, "Can you give me work?" What made him see ancther face just then, face he had not seen for twenty years, had never seen but once, a young woman's face, somewhat like his daughter's, but there were ears in the eyes, such as seldom were in hers? And then he heard something like his own oice in a sneer, "These womeu.
The spirit of a wronged woman liad come o him and hung brooding abore him, threatening him iu his orn daughter. "She'll get no work, poor thing!" he groaned. "She went smiling and hopeful, but she don't know men
as I do. She don't know life !" An hour had at last gone hy. It seemed as fit never would he gone.
Who says time flies? Why, sometimes it eems as if it never would get round the littlc

## akes so long <br> But time did more, and got through an hour;

 and then auother, more slowly than the first, till it was getting dark, and a tired footfall ounded on the steps.The door opened, and with a great weight aud pain at his heart, alnost a despair, knowing well how vain is almost every woman's hing even in toil-a chauce that every man would throw from him in disdain-the poor father tried to smile a weleome, tried to say cheerfully, "What snccess?

None, father; I could find nothing to do. 'I feared it."
And then he heard a roice like an echo, say ng, "These women!" and he responded, Aye, these wonen! God help them! What can they do?"

## "IIl go

## laughter.

No answer, for the man knew well that the o-morrow was far away when work hy whieh she might live would be given to woman.And he had helped to keep it far away
To-morrow come; the daughter again wen forth to find some work by which she might arn bread. She weut forith to be again re else. . There was work for men, for hoys even -but none for her. She urged her elaims.

We don't employ women;" or "We"
rather hare men;" or a blunt and careless

## met her fley

## of her father?

So faint, liopeless, and borne down with the heary questionings why God makes life so hard, she dragged herself to her home, to her
father's bed-side, dreadiug to hear again the question, "What success?" answered as must be.
She had not to hear it. The dying man riveted his eyes on the poor worn child and muttered, "I knerr'twas no use. Let us die together: 0 God, let us die together!"
Then the eycs, still riveted, grew dim breath atter hreath came quick; and when the poor girl had whispered something alout hegging a little meal for gruel, a morsel of bread, he did not hear her. He was past wantdead.
And his dying prayer seemed to hare been answered. Not many wreeks and his unsodden grare was opened to receivc his daughter's corpse. She for whom in her woman's lot
there had been so little opportunity in this poor life, had catered on the better.--Watch man and Reffector.

## 调iscellany. <br> THE DEATH OF A CHILD.

It went in the morning-a bright and radi ant morning, many went yesterday, more today, and there are dews to be shed for the departures of to-morrow. And can it be wondered that pleasant summer moruings should heguile them into going? Is it a marvel that they do not wait for the hurden and the noon, hut follow the lark, and her song orer the ruin of the rainbow? That those words so heauticometh in the morning.
Going in the morning! A glorious morn-ng-wheu the sky is all in heauty, and the world is all in hiss; erc the dews have gone to heaven, or the stars hare gone to God:
when the hirds are singing, and the cool winds are hlowing, and the flowers are out that will he shut at noou, and the clouds that are never rent in rain and the shadows inlaid with crimson, lie away to the west.
We hare sometimes seen a little coffin, like a casket for jewels, all aloue by itself in a huge hearse melancholy with plumes and gloomy as a frown-and we have thought not
so should we accompany those who go a little way in the inorning. We have wondered why they did uot take the little coffin into the carriage with them, and lay it geutly upon their laps, the sleeper there lulled to slumber without a hosom or a craclle. We have wondered what there was for tears in such a going-in
fair white dores with downy wings emerging
from nether night and fluttering for eutrance at the windows of hearen. Nerer has there been a hand wanting to take the wanderer in and shut out darkness and the storm.
Upon these little faces it never seemed to us that death could place his great seal; there is no thought of the charnel house in those young listeners to that invitation whose acceptanee we are hound not to forhid; there should be morning sougs and not sighs; no tears uor clouds, but bright dew and bright dawnings together.
Fold up the white robe; lay aside the for gotten tor ; smooth the little unpressed pillow, and gently smile as you think of the garment, of the harp of gold, and of the fair hrow with its diadem of light; smile as you think no years can make that memory old. An eternal guiltless chiid, waiting about the threshold of Paradise for the coming frieuds from home Here the glad lips would quiver with anguish the bright curls grow grizzly and gray; tie young heart weary and old; out there, changeless as the stars, and young as the last new morning.
The poet tells of a green bough rent by the tempest from the tree, and swept rudely along he hreast of an angry river, and a nother aird with cries of grief fluttering beside it, for her nest and nestling were there. Ah! bette o be wafted away from the earth than thus they should drift around the world in a storm. -B. F. Taylor.

## CURIOUS FACTS ABOUT WATER.

The extent to which water mingles with odies, apparently the most solid, is rery wonderful. The gittering opal, which beaut rears as an ornament, is only flint aud water f every 1200 tous of earth which a landlord has in his estate, 400 are water. The snow capped sunmits of Snowden and Ben Nevis hare many million tons of water in a solidified form. In every plaster of Paris statue, which an Italian carries through our streets for sale there is one pound of water to four pounds of chalk. The air wc lireathe contains five grain of water to each cuhic foot of its buik. The potatoes and turnips which are boiled for our inner have, in their rat state, the one serentyfire per cent. and the other ninety per cent. of water. If a man weighing 140 pounds wer qucezed in a hydraulic press, seventy pound of water would run out, and only thirty-five of ry residue remain. A man is, chemically peaking, forty-five pounds of carbon nitrogen, diffused through five and a-half pailsful of water. In plants we find water thus mingling to less wonderfully. A sun-flower evaporate one and a quarter pints of water a day, and cabhage about the same quantity. A wheat plant exhales, in $17 \bar{\tau}$ days, ahout 100,000 grains of water. An acre of growing wheat, on this calculation, draws and passes out about ten tons of water per day. The sap of plants is the medium through which this mass of luid is convcyed. It forms a delicate pump p which the watery particles run with the rapidity of a swift stream. By the action of he sap rarious propertics may be accumulated the growing plant. Timber in France is, or instance, dyed hy rarious colors mixed with water, and sprinkled orer the roots of the tree. Dahlias are also colored by a similar process.

How to File the Ice Hotse Cheaply.Although past the season for doing this work re gire the gist of a correspondent's commun cation on this subject, that our readers ma herebs profit in the future:-"A great improvement upou drawing ice from two to four miles, I found, is my method of making it in the ice-house. I bring water in a pipc into the ouse, and make it fall in spray before a window on the north side during the coldest weathI hare succeeded in unaking a solid cake f ice 10 by 10 feet and four to six feet thick. Corntry Gentleman.

Paris Gardesers now employ toads in the ot houses to consume insects, and cocks and hens in the gardens to eat the slugs; only to revent the poultry from scratching up the flowers, they are accommodated
nienced rather, with list slippers.

TIEGEAREMANDFIIRESIDE ANBRIRE
For the sum of foer bohiars, phid in adivance, we w
 with the largest efrenlatoon of any country journal in Ne Enylant.

## dISEASE OF THE EYES.

Tue horse is furnished with what is termed by anatomists, a third eyelid, which is known among horsemen under the name of the haw Its use is to clear the surface of the eye of any dust or other irritating particles which mary lodge on the surfiace of the eye. It occasionally happens that from chronic inflammation of the eye, small tumors form ou the haw; they cause great irritation and impede the move ments of the eyelids, especially the upper one. Iu a case of this kind whieh came under my treatment, I remored the tumor with the knife, aud by a subsequeut application of caustie pre reuted its reproductiou.
The little flesty body, situated at the iuter nal angle of the eye, is teruned the caruneula luerymalis, and, iu cases where it becomes en larged, it will be uecessury to reduce it by excising the superfluous part. But the eye is a delicate orgau to operate on, and in cases this kind the assistance of a re

Thinctg Bees.-The whole art of "taming bees" is embodied in the followiug :
1st. A honey bee filled with "liquid sweets" will not sting of its own aceord.
2d. Bees, when frightened, will generally fill themselves with honey, and if given liquid sweets will invariably accept them
Bees may be frightened thus:
1st. By blowiug upon them the smoke spunk, tobacco or cotton rags.
2d. By coufiuing them to the live, and lap ping the sides of it lightly with a small stick At first, the bees will try to get out, but find ing that inpossible, they will then rush to thei stores and fill themselves with honey.-Be Teepers' Tcut Book:

## 1Harriages.



 In Carolina ville 1 Thit








## fleaths.



















brightois cattle inarket.











WEEKLY Review of the new york Wholesale market. GENERRL ADVANCE IN Prices









## NEW YORK WOOL MARRET.



## NEW YORK LIVE STOCK MARKET.



## BOSTON SALE OF STOCKS.-March 19




## Hassachusetts.


 men In the United Sistes. Farmers and Gardener
my catalogue many
NEW and rare veoetables,
some of which are not to he found on the list of an
I offer an opportunty for all to procire thelr
beet, carrot, onion, and many other variet
s the original Introducer of the Hubbard Squash, Marble

Rhode Island.
W.
mends Patrex contech pleng
 store trucks,

| es, Shovela, Axes, Scrthes, Forks, Snathes, Fradles, Hor |
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${ }^{\text {Marcre } 23,186}$

Marce 23, 1887.

Philadelphia and heus $\begin{aligned} & \text { tarl. }\end{aligned}$



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Great American Tea Company.
THE IMMENSE PROFITS
TEA TRADE

YThe storlk－等ard
SWINE，THEIR BREDDNG AND MAMJAGE MIENT．

## Written for the Farm and Fireside，

is with pleasure that $I \mathrm{I}$ take up the pen to write an article for an agricultural paper of my native State，to be read hy my aequaintauces，
friends and kindred．I suppose that I should have selected a more delicate subject for my frist，but as I have＂swiue on the b
dav，$i t$ is of swine that $I$ shall write．
st．－Breeds．As regards breeds of swine， there are at the present time in this eountry，to
miy knowledge，seven，and but seven，distinct hreeds，viz．：
Yorksures，a rather large，uot coarse，white breed，from Yorkshire，England．
Chiester Co．，or Chester White，a large， rather eoarse hreed of white hogs，whiel liave origuated within a few years in Chester co，
Penusylvania． Essex，a middle sizedi breed，very beautiful
ly formed，of a satin hlack color，from Eseex， ly formed，of a satin hlack color，from Essex，
Eng．，aud comparatively new in this countiry． They dress white，are good feeders and thrifty are also mueh more hardy than some other breeds，and are said，hy those who uare given
them a tial，to be the very best breed for the them a thial，to be the very best breed for the
farmer．I am at present experimenting with them，having receutly purchased five thorough brceits for breeding purposes．
Stfrotk，a small breed，white，beautifully formed，easily kept，not over hardy，but good to cross with larger breeds；always crossing berrshires are a medium sized，speckled breed，and are highly prized by soune．I have never given them a trial，but think I should prefer the Esser．
Lrscomsshires are a white breed，with long， straight bodies，rouud carcasses，fine skins， and fciv bristles．They are said to he a very good breed for
well as a oreed．
Chivese swiue are small in limh，round in body，short in the head，covered with very fine speckled bristles，with an exceedingly thin skin．The pure Chinese hog is too delicate aud susceptible of cold ever to becone a really profitable animal in this country．They ar very fine and small，and will fatteu readily on a small quautity of food．Their flesh is not the lest pork，as it is often too fat aud oily．
The pigs make exeellent roasters at three weeks or a uonth old，bat the sows are bad nursers，and as a breed they are，I think，un profitable for our farmers．
Much has been said ahont the profits of swinc．As to their profitalleness or unprofit－ ableness，no farmer in the Eastern States can afford not to keep them，on account of their
labor in manufacturing manure，if for no other reason．Perhaps we sometimes keep too many， and，again，lose money on what we do keep， by neglect or inattention to supply them with working material and feed．No maufacturer however skilled，can manufaeture goods of any lind withont proper materials to work
with，i．e．stock．Keep the pigs and store hogs at work，and give them plenty of stock to work with，such as muek，loam，straw，old hay，\＆cc．
Keep a part of them on the stalle manure in Keep，a part of them on the stahle manure in
the barn cellar or sheds．A successful breede shonld have well fenced lots of suitable size for the sows and pigs to run in，with plenty of grass in Summer．It will then be necessary to keep the sow rnng，to prevent her rooting up
the swrard and destroying the feed．
For hreeding purposes，I shonld select my stock from a large litter，and the very hest in the litter，having reference，of eourse，to the breed I wished to propogate，and should hreed from parents not akin．Iu crossing a small with a large breed，let the female he of the
large，and the male of the sinallerbrecil．Take large，and the male of the smaller breci．Take
much pains with the brceding stock of swine； it will pay better in the end．I prefer my breeding stock to he upwards of one year old， and when you once get a really valuable hreed－ iug sow that will raise two good litters of ten to twelve pirs each year，and is gentle and
clever I should keep her as long as she would clever，I should keep her as long as she
do well，rather than risk a young one．

## 88 <br> The Fratm and Fireside．

As regards the profitableness，or the best
method of feeding store hogs，much depends on the circumstances of the feeder，as it is gene rally hetter to feccl what one las than to buy rally hetter to fect what one las than to buy
feed，and a hog will eat almost anythimg．You feed，and a hog will eat alinostanythimg．You
should never stint a pig so as to retard his should never stint a pig so as to retard his
growth；for if yon do，you lose all you give growth；for if yon do，you lose all you give
him．Unless an animal is gaining every day， its owner is losing hy keeping him．Beef scraps are said to be very good for feeding to store hogs when feed must he ohtained off the farm．Sonc of my neighbors consider them the most economical feed to buy，aud many tons are annually fed in Windham county tons are annually fed in Windham county．
For fatteuing，I prefer Indian corn and Barley For fatteuing，I prefer Indian corn and Barley
meal mixcd in equal quantities，having it ground together；then close up，say for the last two weeks，on clear corn meal，with the exceptiou of an oceasional feed of old corn， which has a teudency to harden the pork． But whatever you fatten with，it will he better o commence to fatteu early，aud oue year with nother，it will be most profitahle to kill early． There may，lowever，he au occasional excen tiou to this，as to ali general rules．Better hare the hogs fatteued and ready to kill as early as the weather heeomes suffieiently cool＂to keep the pork fresh，＂till consumed，say from No－ vember 10th to December 1st，sure．Butcher－ ing hogs is a joh that almost every farmer dreads．Scalding is rather a nice point for hose who do not understand it ；but it is a very easy uatter to lave a＂good scald＂every
timic，if you ouly know how．My rule is，for wo good logs，have just eight pails of boit ing water；he sure that it boils，and to this add one and a half pails of cold water，and ise inmediately．If a little powdered rosin， or a little wood ashes be added，all the better With sucla a scald，I will warrant a black Esse hog to dress white and clean．I have more I wish to say on swine，hut ratler than make
my eoutribution too long，will，if agreeahle， write more at some future time．
March， 1867.
＂Colopano Fowls．＂－This new description of fowl is creatiug quite a sensation in the cinity of Newton，where the hirds first made heir appearance some few weeks since．Their chief peculiarity is their coior．They are of bright magenta hue，and the pair we inspected were more gorgeous thau an Italian sunset． Hen fanciers，we uuderstand，state that thes birds are apt to change their color，and that a certain seasons they turn white，while the pow－
er of transmitting the brilliancy of their plu－ er of transmitting the brilliancy of their plu－ has been offered for the eggs． 1 resident of Auburudale proposes at the uext hen show to exhihit a pair of Prussian fowls which le war－ ants will be as blue as State street after a heav leeline in the stock market．－Boston Journal．

Mr．W．C．Sehofield of Coveutry，Vt．，has wo Leicester ewes which，for the past three years，have each hronght him two lamhs each year．He sold the lambs for sixty dollars aud the wool for twenty．His four lambs this year
weighed $59,60,57$ and 50 pounds．He has al－ weighed $59,60,57$ and 50 pounds．He has al－
so eight cows，from which he has made，since the first of April， 1200 pounds of hutter，and reared four calves．The butter brought hiin $\$ 490.22$ ．So says the Veruont Farmer．

Pocltry House．－Eggs，aud hens too，will be scarce，if the poultry house is infested with ermin．Pour boiling water over the roofs， nd indeed，into every crack of the building， if you can，then wash clean with stroug soap
suds，and when ihis is dry，whitewash the suds，an
whole．
Catch the fowls and rub a little grease in－ der the wing，on the heal，and toneli valuns mpes on the hody with it．The forls will pulonsly clean．

Care of Cows．－It is neeessary to see that eows are well fed and have a little extra atten－ tion．A little corn－col ureal tends to keep up a healthy tone of the system．Even though the hay may be of a poorer quality，they will eat it with a better relish when they are healthy than when poor．It is a miserable economy that pinches the food of domestieated animals．

## CHEWING THE CJD．

Rominating animals gather their food rapid－ r，give it a few cuts with the teeth and swal low it．It goes to an interior receptacle where都 hy lay．When the animal bas filled himself， mastieates the food thus stored away iu ortion is conpletely end by cud．When a portion is completely masticated it passes to ion goes on．Thus an ox if left to himself， will raise and masticate all his food thus stored way in his stomach．If he he pushed and worked hard，and does not have time to masti－ eate，he falls off in flesh，his health is poor， his ligestion is incouplete．The horse，ou the contrary，however mucli in a hurry he may he， must masticate each monthful hefore he swal lows it．An hungry ox let into a meadow will fill himself in twenty minutes，while a horse would want at least an hour and tweuty min－ ates to take the same amount of grass．The ox，the deer，sheep，goat，chamois and rahhit， heing the natural prey of ferocious heasts，are endowed with the extra stomaeh in which to hastily store away the food without masiica－ tion；this may perhaps be regarded as a wise provisiou of nature，euabling them．to sally forth where the food is plenty，and in a shor time fill themselves aud retire to a place safety to ruminate their food at their leisure．

Proftts of Coarse－wooled Sheep．－A cor espondent of the Country Gentleman，in giv ing some exeellent hiuts in regard to the care of sheep，statcs indirectly the average number of lamhs raised from forty sheep，and the price they hring，also the weight and prices of his fleeces，from which it appears he realizes ahout $\$ 275$ per year from 40 head of coarse－wooled ．
Prodect of Folr Cows．－The Jassachu－ setts Plowman states that a farmer in the west er＇u part of that State sent to Boston，during one year，as the product of four corvs，butter for which he reeeived $\$ 399.9$ ，besides supply ing a fanily of six persons，and the erupany the family had during the year，with all the hutter aud milk they needed．
Sxiffles in Sheer．－MI．Williain P．Hay den informs the Maine Farmer that eqnal parts of garget－root，alum，and tohacco，steeped to gether，will cure the sniffles or nasty nose iu sheep．It

Ax old and experienced farmer says that welled jaws in sheep can be effectually cured by rubbing the inside of the jaws and mouth with a mixture made of alum and salt，equal parts of each．

Wool From Aestralia．－The product o wool in Anstralia is very large，and hitherto all of it exported lias heen sent to England The Anstralian merelants，however，intend to try an experiment，and are ahout to send a market for that staple can he opened in the United States．
＂Dan Rice．＂－This powerful stallion，who look tha second premiun in the $\$ 1000$ purse at the Hartford Natioual Horse Fair last Fall，has been purchased at high figures hy Mr．Sprague of Rhode Island．Oliver Marslall，of Boston， offiers to mateh him agaiust any stallion in the country，mile heats three in five，in harness， and trot in Rhode Island．

A sweet potato brought from Fayal is now on exhihition at the rooms of the Massaehn－ setts Hortienltural Soeiety on Tremont street． It was raised on the Azore Islands and weighs thirteen and a qnarter pounds，and is thirty inches in circumference．

Sheer，in Germany，hefore being sheared， are carefully eleansed．They are soaked and rubbed in vats of very warm water，with pot－ ash．After cooling，water is sprinkled over them until the wool is white，aud they are then kept in a clean and warm shelter until

Anduertising＂振epartment．

Rhode Island．



| B ArRETTMS EXTRA EARLY EABBAGE，－The best and <br>  Providen |  |
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## 



TPenmsyluania．

In these days of Suoppr，and bigh pri

## of clotbing a fanully can be saved by its use．It is simple and durabbe easily understood，aud easy to operate．No sill is re． quired to weare with it beyond tbe simple turning of an easy





Also，Denlers in Cotton Warp．Wool and Fryar
Redss，Haranes and Loom findings generally．
March 2，1867．
massachusetts．
Sheern Wash Clobarco
 \} and


VOL. 1.
WOONSOCKET, R I., SATURDAY, MARCH 30, 1867.


THE "WEEPING LARCH."
Wmine we do not propose to devote an uudue amount of space to the ornamental department of gardening, desiving rather to promote the family comfort of the farmer by inducing lim to give a little more of his attention to the production of choice esculents and healthful fruits-yct the moral effect of neatness and heauty must not he overlooked or uudervalued. What is more pleasing to the visitor to the farm homestead, than a ueat, though circumscribed lawn; ornamented with a few select and appropriate trees? As the mode of preparing the lawn has already been furnished, let it he decked hy such ohjects of heauty as the "Weeprag Larch," an illustration of which accompanies this article. In recommending this choice tree, which is by no means commonly met with, we design it as a special attraction to the margin of the lawn; in close approximation to the front of the mausiou, which we suppose of modern, attractive style.
The Common Larcb, of which there are both American and European varieties, is well knowu hy its bright green, needle-leaves, hursting forth at the advent of the first warm days of May, from what would seem dead twigs to the common eye. The common Lareh is remarkable for its erect trouk and symmetrical branches; while the Weeping Larch is quite pendulous, hanging its long rope-like branchlets to the ground, from an erect stock eight to ten
feet high. These weeping forms are sports, accidentally produced and perpetuated by budding on the commou stock; the hud is inserted near the summit of the stock, and requires a little more skill to ensure success than budding fruit-1rees. The tree, when well mauaged, is one of the most graceful of our Weeping Lawn Trces.

## The Field.

## "WHAT CROPS SHALL WE RAISE?"

Written for the Farm and Fireside,
BI W. H. WHTE, SOUTII WINDSOR, CONN.
Is No. 10 of the Farm and Fireside we respondents on this question. Perhaps-without a perlaps-it is for the best that our farm populatiou is made up of men of various opinions and ideas in relation to what crops shall be raised; were it not so, where would be the profit in farming? Supposing every onc should agree, aud aet upon the idea, that it was best
for all to raise a certain set of for alt to raise a certain set of crops, and those only, where would they find a market? Aud
if no market, or a glutted one, where would be the profit? No, I helieve with the majority, that we should raise the crops which our land
and soil are best suited for, and can be turned to profit in the shortest possible time. It is a
known and acknowlelged fact that the products of the agriculturists are less frequently turned over in their hamds thian the products of any other occupation. The farmer plants and sows, and makes but one exchange in the
year, and ofteu not that; while the merchant, year, and ofteu not that; while the merchant,
manufacturer, etc., is constantly exchanging from oue hand to the other, and from that to his coffer.
The soil of New Englaud, in general, is a hard yet rariable one, and laving beeu long injudiciously cultivated, by former generations, the present generation find their ingenuity and energies largely taxed iu order to produce paying crops, and keep up the fertility of the soil. Much of the soil is so sterile that it cammot well be tilled, and is suitable only for grazing or wood; other portious are well suited for arable culture, capable, under the hand of skilled lahor, of producing good crops of auy kind of procluce eapable of being grown in
suitable only for grazing, attempt to raise daceo, he would in all probability meet with arable soil, occupy it principally for graziug, or laising, with the majority, one set of crops, he wonld be unapt to succeed in ohtaining the greatest profit. Some may object to raising tohacco from principle; might they notas well object to raising, heyond what is needed for
domestic use, rye or potatoes? because they, or their products, are made an article of abuse. So we might ohject to raisiug many products of the soil, as well as of the loom, and other maunfactures that we could well get aloug
without; and many of them we should he withont; and many of them we should he
the hetter off withont. Tohacco and liquors, ahused in their use, are the cause of mach evil, especially the latter. Of the two, tohacco is much the least, for who ever heard of any one committing a criune under the influence of tolacco alone:
Land worth only $\$ 25$ to $\$ 50$ per acre, can
he eropped with crops that would pay a hetter profit at $\$ 40$ or $\$ 50$, for the products to the acre, than that which will bring $\$ 200$ to $\$ 400$ per acre, at a much larger product. We all know that the more valuable land will pay a less proportional profit planted to coru thau the cheaper; for often the cheaper will proance nearly as many hushels to the acre as the higher priced, the great difference in value are very justly recommended as valaable crops for the tarmer to raise, by your correspondent, and we could wish to see them very generally raised to fced to stock, to give varicty and
lengtheu out ou fodder crops. I think that lengthen out our fodder crops. I think that count of their rotting, is uot the ouly ohjection why they are raised in less area than formerly. The fact is, the potato has been cultivated in such a uegligent, unnatural way in former years, that we are now suffering the penalty indiseased and diminished productions. I cau recall the time when, with rather uegligent
culture, no uueoumon product was tince or four hundred hushels per acre of good mealy polatoes; now it is rare that as many as two hundred and fifty bushels are produced, with the hest culture on the hest soil. Au instance to illustrate this occurred with one of my
neighloors: daring the past year he planted one aud a half aeres in potatoes and obtained fou hundred bushels. How was it doue: I hear you ask. First, he is oue of the most skillful, eareful farmers among my :scquaintance; he believes that changing seed from one locality crop soil to another is beneticial, and that a which it may draw. The ground planted had been manured high and set to tobaceo for two years previons, and the soil was well filled with mauure finely divided, and in excellent condition to impart the necessary pabulum to the potatoes. Now compare this with what the same land would have produced as skill folly cultivated and planted to tohacco. Wel maurce, it would have grown thirty-seven huadred ponnds, while the extra cost of manuring, cultivating, etc., would not have heen over $\$ 200$ per acre : say for the one and a half acres, $\$ 300$. Now for the results; the pota-
eighty cents per hushel, which would give for the four hundred hoshels, $\$ 320$, as the whole product of the land, setting aside the expense of production, ctc. The thirty-seven hundred pouncls of tohacco would have sold at the least for twenty-five cents per pound, amounting to
$\$ 925$, and coming in one lump, it does go for shoc sirings," or come in driblets. Deduct the s300 extra cost of manuring, culure, etc., and we still lave s 625 , and at the close of the seasou the soil is in mueli better onditiou for grain, grass, or any other crop than the potatoes left it.
One adrautage in growing tobacco successfully, results in higher farming, for it can be grown in no way except on proper soil and with high culture; and high culture ou one rop begets it on another. As to its heing a ure crop, we know from experieuce in the Connecticut Valley, that it is as sure as any crop we raise. Although the lahor is great, and much of it disagrecable, yet the money it hrings is as useful and good to us as if proluced in a more agrecable way. In conclusion, allow me to say I am no stickler for raising tobaceo, never haviug used it or fancying the use $f$ it in others; but give us any other crop or series of crops that will gire the same profit, and we are ready to ahandon tohacco. I would add, we plant too mauy acres to the arions hoed crops, sow ton many acres to the he help we hase, and the retura we make to our soil. It is better to grow on five acres what ten now produce, which I verily believe might be the case, than to go over the ground we do, and get the products we get; and as
for alaudoning auy one crop for fear the West or any other section can furuish it cheaper, I think it poor policy-hetter improve our culture and thus compete with any section for our home market. The West is already fallgig otf, or seeking new channels for her surplus productions, and as the country grows older, populous cities rise and the surplus that now reaches New England will greatly diminish. Mauufactures will rise up, demanding a greater supply of agricultural products, thus liverting a large proportion of products which have heretofore sought Eastern or other markets. It then hecomes a wise and prudeut people not to abandon, or hlindly rush into
the production of any oue, or staple article of agricultural production, but to endeavor to amend and iucrevse our productions, and to diversify our products and pursuits; for we find that that people are the most surely proserous whose pursuits are the most cliversified.
March, 1867 .

Tor Dressing.-The Plouglman is in favor of top dressing grass land either directly after he crop is taken off' or later in the Fall, if the But if it he plaster, thinks it should he done in a wet time in April.

Iemedr for Moles. Cut apples or potaoes in pieces about the size of a pea, and roll them in strychnive or arsenic. Then make everal small holes where the moles rua, and drop one or more of the pieces in each hole. In a short time the moles will clisappear.

## Horticulture.

## pear colture.

I mave tested more thau fifty different varieties of pears in different soils and with vaorehard, I should seleet the following:For Summer Pears, I should choose Beurre Giffard, Dearhorn's Seedling, Bloodgood and Tyson. The Rostiezer, Henry the Fourth, and the Ott are preferred in some loealities. The Rostiezer is a very fine early pear, hut it in a bat grower. in anmetrical shape. The Bloodgood is in any symmetrical shape. The Bloodgood is
also rariable iu different localities. I have found it always one of the very best early pears. It sueeeeds admirally on warm, dry
soils. The list of Autumn Pears is very large, and
variesso nuch by difference of culture and soil, that it is sometimes quite difficult to deeide whieh is the hest. I should make the following seleetiou:
Belle Lucrative, Bartlett, Louis Bonne de Jer sey, Beurre Bosse, Figue, Pratt, Seekel, Urbaniste, Duchess d'Angouleme, Onondea, Merriam, Audrews, Dix, Doyenne, Boussoek, Clapp's Favorite, Sheldon, Beurre Superfiu, Noveau Poiteau, Soldat Laboureur, Buffium, Des Tongres, Passe Colmar, Howell, Beurre Clairgeau, Doyenne Sieulle, Eycwood.
The above are not all equally good. Many of them suceeed well only in favorable situations, and under the best culture. The Audrews, Sheldon, and Flemish Beauty do not keep well, and have a tendeney to rot at the
core. Clapp's Favorite sometimes shows the core. Clapp's Farorite somet Beauty, Beurre
same tendency. The Flemish Be Clairgeau, Beurre Bosc, Marie Louise, Andrews, Dix aud Tyson require to be double worked on quince stocks. The Dix when on
its own stock does not bear till it is fifteen or twenty years old, but double worked on quince, comes into bearing early and produces very ine firuit. There are several other varieties tha
did well with me, although they have been discarded as unprofitable. The Gansel's Bergamot, when in maturity, is the highest flavored
pear in the whole catalogue, and in my garden was always very fine; hut it requires very warm, rich soil and very high culture. On cold, moist land it is worthless. The Beurre d'Amahis is a luxuriant grower and very productive, but the fruit is hardy second-rate in
quality. It is one of the hest carly baking pears. The Beurre Capiaumont is also a vigorous grower and productive. It is the most
beautiful pear grower, but in quality not first rate. Van Mons Leon le Clerc is also a splendid pear. It resemhles the Vicar of Winkfield in shape, but is much larger, and vastly superior in quality. Because the fruit sometimes cracks, and the tree is liable to canker, it has
been rejected by most cultivators. I have found it invariably very fine. By the application of salt, potash and lime every Spring, the trees were vigorous and healthy, and the fruit of the very best quality. The Beurre d'Anjou is one of the best, if not the very best, the late Autumu or early Winter pears.
The following Winter Pears I have found upon trial, to be worthy of cultivation:--Law-
rence, Winter Nelis, Glout Morceau, rence, Winter Nelis, Glout Morceau, Easter
Beurre, Beurre Gris, d'Hiver, Doyenne, d'Alencon, Beurre Langelier, Delices d'Hardenpont, Vicar of Winkfield, Josephine and Beurre d'Aremberg. The Beurre d'Aremherg is variable and does not succeed well unless double worked on quince. The Vicar of Winkdouble worked on quince. The Vicar of wad for
field is valuable for its productiveness, aud for field is valuable for its productiveness, in hardly
its being a fine cooking pear. It is second-rate in quality. The Easter Beurre is one of the best late keeping pears, but it is difficult to ripen. It must be kept in a vcry low temperature, as near forty degrees as it is pos-
sible to keep it. The Glout Morceau is poor sible to keep it. The Glout Morceau
when young, or allowed to over-bear.
Careful pruning is very necessary to the healthy and symmetrical growth of pear trees. This is best done in the Spring, just as the sap begins to flow. It is often desirahle to cut in at least one third of the annual growth of
first set is often as necessary as in grape cul-
ture. Some varieties require this thinning Sore. varieties require this thiming
mueh more than others. In the Passe Colmar mueh more than others. In the Passe Colmar,
Figue, Glout Morceau, Winter Nelis, Marie Louise and some others, it is alsolutely neeessary in order to have fair fruit.
Dwarf trees, or those on quinee stoeks, should be proteeted against high winds by stalks, be proteeted against high winds by stalks,
trellis, or some support, to prevent their being trellis, or some support, to prevent their being
shaken. When they are thus eared for, the shaken. When they are thus eared for, the dwarf trees are not only produetive, but longhave been in hearing more than twenty years, and show no signs of deeay or loss of vigor. Iu a former communieation I intended to say that I sellom had seen pear blight where the wood was well matured and ripeued, iustead "when the soil was manured and refined." Wcre I to seleet only five varieties, I should take the followiug:-Belle Luerative, Bartlett, Pratt, Urbauiste and Beurre d'Aujou. Were I to select ten varieties, I should choose Beurre Giffard, Belle Lucrative, Bartlett, Pratt, Louise Bonne d'Jersey, Duehesse d'Angouleme, Figue, Beurre d'Anjou, Lawrenee and Vicar of Wiuk$\xrightarrow{\text { field. }}$

## Providence, R. I., March, 1867.

Plant Peas Dekp. - The theory reeently adroeated of planting peas very deeply in the earth, in order to prolong the bearing capacity of the vines, has been well tested and found to be correct. A farmer ploughed a furrow beam deep; then seattered the seed peas at the bot-
tou, after whieh he turned a deep furrow upon them with his plough, covering them to the depth of twelve or fourteen inches. They
pushed their way up through the thick mass of earth very soou, and, instead of turning yellow at the bottom, and dying after the first gathering, they blossomed and bore until he was tired of picking the pods. If such a result will uniformly be realized from the plan, pea
culture may he more profitable than hitherto.

The Clinton grape derived its title from aving been planted in a village in New York so named. The Seckel pear derived its name from a tree grown on land, below the city of Philadelphia, which belonged to the Loudon Laud Company, who sold a lot on which the
tree stood, to a great sportsman, called "Dutch Jacob." From him it passed tc r. Seckel, aud now belougs to the Girard Estate. This aecount was given hy Bishop White in

Is plantiug trees, vines, or anything else, never expose the root to the air. Sun-light
almost fatal, even wheu they are moist. thin coverizg is a grcat help.

The Longworth Wine House iu Cinciunati offers preuiums to the amount of $\$ 500$ for the best wine grape of the couutry.

## IThe Ifurf.

THE DEATH OF HIRANT WOODRUFF-THE
SPORTS OF THE TURF IN THE UNTTED STATES.
The death of Hiram Woodruff removes from the Americau turf one of the few men who have uuited with the calling of a horse trainer and a jockey the reputation of an upright, honorable man. It is conceded by all to whom the Nestor of the trotting course was known, that iu his sporting engagements he acted with an integrity and fairness that would not shame the husiness trausactions of a substantial merchaut. The customary tricks and deceptions of the sporting fraternity were match he inteuded to win it if he could, and those who lost money upon a horse entered or driven by him, felt satisfied that they had not been made the victims of a fraud.
It is to be regretted that we have not a greater number of men like Hiram Woodru upon the turf in this country. But, unfortu-
nately, among the horsemen of the United States swindling is the rule and honesty the exception. The reason of this is that our "sports" are for the main part gamblers, poli-
horse raeing as they do into polities or faro
dealing, or the purpose of making money We have none of that national pride in im We have none of that national pride in im-
proving the breed of horses which marks some proving the breed of horses which marks some
European nations. The owners of our "fast European nations. The owners of our "fast
stoek" are priueipally men who hare made fortunes suddenly, aud not always by the mos unexeeptionable means, and the height of whose ambition it is to possess a " $t$ wo-forty that can "heat the world." This comprehen New York; for a horse that can do that need not fear competitors from auy other part of the globe. A fast horse, as soon as his qualities are disecovered, is at once made a bettiug machine, and is expected, by fair means or foul, to bring money into his owner's poekets. When he is matched, the struggle is not one fo ame, but for gaiu. The meu who gather rouud the winniug post see nothing of the uivering flanks, the swelliug veins, the dis ended nostrils, the flashiug eyes of the nobl beasts, hut fix their gaze upon the dollars involved in the stakes and the bets. A horse is valued only for what he can win, and few of our youug men care to culivate and improve for the love of the animal.

Of eourse there are honorable exceptions to his rule. Hiram Woodruff took pride in the horse as an animal, and not as a mere machiue for betting, and some few others of our sporting frateruity follow his example, while many private eitizens of wealth and leisure who never bet or make matches, are owners of ani-
mals that are a eredit to the nation. Bonner's horses, for instanee, are admitted to he the astest trotters iu the world. To sueh men we are prineipally indebted for the improvement that has been made iu breeding and training during the past thirty or forty years, and which is shown in the iucreased speed of our trotters. In 1834 there was great excitement in sporting circles bccause Ned. Forrest made mile on the Centreville track in $2: 31 \frac{1}{\mathbf{D}}$, and in he match between that horse and Dauiel D. Tompkins, for $\$ 10,000$, in 1838 , on the Hunting Park course, the time ranged from 2:40 to :52. Now, with little Flora Temple's 2:193 o harness, and Dexter's 2:18 to saddle, such ime would be laughed at on the road.

Iu England and France horse raciug is a national sport. There the rules of the turf are stringent and are strictly enforced. The noblemen and men of large wealth who are its patrons covet houor rather than mouey, and speud fortuues in improving the breed of horses, and keepiug up the high character of the sport. Occasionally, of course, some blackleg trans action comes to light there, as well as here, but as a general rule, their races are conducted
with the utmost nicety of honor, and the nawith the utmost nicety or honor, and
tion takes a pride in them. Trotting finds small favor with Englishmen and Frenclmen, Who would look with indiffierence upou the greatest achievements of Flora Temple and ordiuary race. It would be well if wẹ could infuse into our own sportiug circles some of the spirit that animates the turfmen of Europe, so as to secure at once an improvemeut in the
breed of our horses, as well as in that of their owners; but it is idle to expect that we can ever make a "national sport" of horse racing yachting, or anything clse here. The condition of the country and the character of our people reuder it impracticable. We might with as good prospect of success, attempt to
revise the jousts aud tournaments of the middle ages, as some of the Southern chivalry did a few years ago, before they drew upon them selves the hard knocks of actual war. We are a practical, dollar-loving people, and the only national sport we shall ever thoroughly eyjoy is that of making money. Now and then, when our Yankee yachtmen accomplish some bold achievement, or when an enterprising Yankee sportsman wrests the laurels from the brows of the foreigners upon their own hoasted turf, a thrill of national pride is felt from Maine o California, and we fancy ourselves a nation of sailors aud horsemen. But as a genera dollars people of the United States believe in their time with no sport that docs not yicld

PATRIOT FOR S $\$$.00 PER YEAT.
 Tor one year. The subseription price of the hater, alone, is
g2.50. Tuer PAxrior is an old estabished family newspaper, with the largest circulation of
any country journal in Ne
S. S. Foss, Publisier,

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## REVELATIONS OF THE MICROSCOPE.

BrUSH a little of the fuzz from the wing of butterfly, and let it fall upon a pieee of glass. It will be seen on the glass as a fine golden dust. Slide the glass under a mieroscope, and eaeh particle of the dust will reveal itself as a perfect symmetrieal feather. Give yuur arm a slight priek, so as to draw a small drop of blood; mix the blood with a drop of vinegar and water, aud place it upon the glass slide uuder the microscope. You will diseover that the red matter of the blood is formed of innumerable globules or disks, which, though so small as to be separately iuvisible to the naked eye, appear under the microseope eaeh larger than the letter of this print. Take a drop of water from a stagnaut pool or ditel, or sluggish brook, dipping it from the green vegetahle natter on the surfaee. On holding the water to the light, it will look a little milky; but on plaeing the smallest drop under the mieroseope,
you will find it swarming with hundreds of you will find, it swarming with hundreds of
strange animals that are swimning about in it with the greatest vivacity. These auimalcules exist in sueh multitudes that any effort to conceive of their numbers bewilders the imaginaiou. The invisible universe of created being is the most wonderful of all the revelations of
the microscope. During the whole of a man's existence on the earth, while he has heen fight ing, taming and studying the lower auimals which were visible to his sight, he has been surrounded by these other multitudes of the earth's inhabitants without any suspicion of their existence! In endless rariety of form and structure they are hustling through their active lives, pursuing their prey, defending their persons, waging their wars, prosecuting their amours, multiplying their species, and ending the clock passiug out of existeuce, and making way for new hosts that are followiug in endless succession. What other field of creation may realed to our

How to "Catoh Cold."-Dr. Thomas, writ fig on this subject, says: "Nearly every night, from five o'clock to six during the winter months, I had to turn out from a warm room to go through all weathers, lecture for an hour in a theatrc heated by a stove and lighted hy gas, and then returu agaiu to my home. When I felt a fresh cold beginning, I tried in vain to account for it, until I accidentally saw in Copeland's dictionary, that the most fertile ause of a cold was coming from a moist cold air to a hot and dry room. This at once ex-
plamed to me the rcason of my frequent suffering, for I had invariably gone into my ho room straight from the cold. I, of course, soon changed my habit; I dawdled in the hall while taking off my great coat, perambulated he rooms which had no fire in them, went up nd down stairs and the like, ere I went to my study, whose temperature was also reduced. Since then I agree with a friend, who says
'that a cold comes from catching hot; and I am disposed to think there is a strong analogy between a chilblain on a child's toes and a cold in a person's nose, throat and luugs."-Lancet.
E. C. C. Kellogg of Hartford, the iuventor of the "lever" gun, has just invented an larm night bell for druggists, physicians, etc. which can also he used as a burglar alarm. By an arrangement of clock work, when the door bell is pulled an alarm is set off in the room of the sleeper, and the gas turned on
and liglted instantly, and without fail. Mr. Kellogg has one of these novel coutrivances in opcration at his own housc, but so arranged lights a fluid lamp

An Infersal Maohine for War. - Gen. Daulle, of the French engiueers, gives an account of a cannon with divergent tubes to throw musket balls, The number of these tubes will be in proportion to their calibre, so arranged that at a distance of 600 metres the balls will be spread over a space of 15 metres, and at nearly
equal distances from each other. The charge of powder propels two balls at oncc from cach tube, the trajectory of which will be the same as that of a large proequal distances from each other. Thus a field-piece will be capable of holding 16 tubes, and discharging 32 balls at once, which at a distance of 600 metres will strike jectile from the sccupied by fifty men in two ranks, those in the second rank being liable to be struck by the same balls.

The Farm and Fireside.

The Fireside 解use.
Itten for the Farm and Fire
A COUNTRY IDYL.
didjaves opens up the year,
Felpreafy snaps her fingers Felireary snaps her ingers:
Next lagard Manou comes on lis w
vexed that tbe snow still lingers.
alr Aprin, smilling through her te While bonnie Mar comes at her To strew the fields witb flowers.
dorous Jevrr wheeis into line And wintue Nand of fairy,
And hutter to the dairy
Thus Spring and Summer pass aroun
To Septemura and Ooronira; rom "Apple-Bues" be swa

To close the circult of the year Come Novemier and Deormbra;
Old hlallowe en and Christmas Day-
Abl who does not remember?
Thus year after year goes $r$
In country and in rillage
And the abundant crops retra
Tbe band of careful tilage.
The farmer walks his quiet way, And dally grows more wealthy;
The cbildren Hearen grants to him
Grow up supremely healthy.
VIIl.
Esteemed by friends and nely
And whitles as be tathe eats,
1 IK
He does not stint in giving :
Wbat other life is there, we ask,
So truly wortb the livin

## The Fiteld

## SEEDS

Written for the Farm and Fires!de
y alexander hyde, lee, mass
The time for sowing seeds is close at hand, and we desire to eall attention to the import ance of a right selection. To the majority of farmers and gardeners, a carrot sced is a carrot seed, and the only questions asked are "Is it of last ycar's growth? and of the long orange variety?" We are particular ahout our stock, and examine carefully pedi grees; hut the general impression is, that seeds are not of sutficient importance to demand much thongbt or care. This is a great mistake. The suceess, or failure of a crop, depends much upon the seed. We have plauted cabbages side by side in the same field, with no perceivable differcnee in tbeir soil or mode of culturc, and one patch has headed well and the other proved worthless. We could only account for the result from the faet tbat the successful patch had the benefit of starting from Gregory's thorongh hred seed, and the other had a nameless origin, but was prohably from a degenerate plant. The variety in botb patebes was the Flat Dutch.
There is cheating in all trades-exeept the farmer's-hut the temptation to cbeat is greate in some than in others-whiskey always cscepted. The seed business seems more liahle It requires great moral firmness to throw away old seed which has been nicely packed and labeled. It is like turning oft an old horse We don't like to part with him merely hecause he is old, without some equivalent. As the
jockey mixes a little arnica with the food of the odd horse, to give him hreatb and plumpness so the seedsman may mix a little fresh sced with the old, to give it the appearance of life Age, however, is not the great objection to most of our seeds. Some, as the squash, pumpkin, ete., are all the better for the ma turity of years, as tbey run less to vine and more to fruit; and most seeds will germinate nearly as well wben two or three years old as when fresh. There is, of course, a limit to their vitality, and this limit is pretty well de fined, and should not be exceeded.
The great trouble witb our seeds is, they are not well raised, or thorough hred, in horrow
term from the animal kingdom. The analog between the vegetable aud animal kingdoms
more striking tban is generally supposed. the pareut animal impresses its eharacteristic pon its progeny, so the seed gives character to the future plant; and as it is possible, by a cureful study of the laws of breeding, in the careful study of the laws of breeding, in the course of a number of generations finally to produce a race of animals far superior to the mit the superior points, so it is possible, by a careful selection of plants from which to raise seed, and a proper selcction of seed when raised, in the course of time, to produce a variety of grain or regetable that shall exeel all its antecedents.
As instances of this improvement in the animal kingdom, we need only refer to the Sbort Horn eattle and South Down sheep, In the vegetahle world, we have just as striking examples in the Stone Mason cahhage and the Stowell sweet corn. The Stone Mason eabBage is the old Flat Duteh earefully propagated from choice specimens, entting off most of the side shoots, and thus throwing all the energy of the plant into the leading culm, which alone is allowed to produce the seed. Let this proeess be continued for a few seasons, and the eharactcristics of the plant hecome comparatively fixed; or, as we may say, the vegetable hecomes tborough hred. Not that it can not dcgenerate; the tendency to degenerate is manifest alike in the animal and vegetable kingdoms. Let the Durham cattle mix promiscuously with other stock, and their fine points would disappear in less time than it took to produce tbem. Descent is always easy, but ascent is lahorious.
All our fruits and vegetables furmish proof of careful cultivation and selection of seed. The wild parsnips, heets, carrots, ctc., are nnpalatable, and the wonder is that any one ever thought of converting these tough, unsavory roots into delicious esculents. How soon they
will degenerate we also see, by letting them will degenerate we also see, by letting them self, sown for a few seasons. The parsnips not only become unpalatable, but positively poisonons; still, we have heard it stoutly maintained that the seed of the wild parsnip is as good as that of the cultivated variety. We might as well affirm that smellage seed is as good as tbat raised from cclery, or that a scruh hull is as good to breed from as one of Tborn's horough-breds.
As an illustration of the rigbt selection of seed, we may be permitted to refer to our individual experience. Years since we were called upon to arbitrate in a case in which it appeared that a farmer, having a quantity Ruta Baga plants which, instead of producing roots, ran to seed; and thinking it was too had to lose his ground and labor, harvested the seed and sold it to a seedsman in a neighhoring town. The consequence was that the ricinity next year was stocked with rootless, ong necked, worthless ruta-bagas, and the damage was not easily computed. Such ignorance in this nineteenth century is inexcusable; indeed, no century conld plead ignorance as an excuse, for one of the first things tanght in the Bible is that God made the herbs (vegetables) yielding seed after their kiud. 'As ye sow, yielding seed after the
so shall ye also reap."
In order to be positively sure of our seed we must raise it ourselves. Of the annuals, we niay with little trouble, save seed. The biennials require a little more lahor. By going into a field of corn and selecting the earliest and plumpest ears from stocks having two cars, we may, in the course of time, originate a variety that will he both early and producand the first plump pods of peas cte., of the annuals, should be raised for seed. If time and space do not allow the setting out and careful eulture of the hiennials, we must purchase of some one in wbom we can place confidence; but let no one plant cabhage stumps
Dromiseuously, and save the seed from the latest shoots, and the next year expect a premium crop. It is against the law in such cases made and provided.

Litharge mixed with lard is recommended s a cure for chilhlains.

## Fivesito wiscollamy

## THE TAXES OF FARMERS

Tus: following is very important to farmers and the deeisions have recently been given by the Commissioner of Internal Revenuc a Washington:
1st. Farmers will not be required to make return of produce consumed in their $0 \% \mathrm{~m}$ immediate families
2 d . The farmers' profits from the sale of live stock are to be found by deducting from the gross receipts for animals sold, the purehase money paid for the same. If animals have been lost during the year by death or robbery, the purehase money paid for such animals may be dedueted from the grossineome of the farm. 3d. No deductions eau he made by the farmer for the value of serviees rendered hy his minor elildren, whether le aetually pays for such serviees or not. If his adult children work for him and receive eompensation for their labor, they are to be regarded as othe hired lahorers in determining his ineome.
4th. Money paid for labor, exeept such as is used or employed in domestic serviee, or in
the production of artieles consumed in the family of the producer, may be deducted. 5th. No deduction can be allowed in case for the cost of unproductive labor. If house serrants are employed a portion of the time in productive lahor;, such as the making of hutter and elicese for sale, a proportionate amount of the wages paid them may be de ducted.
6th. Expenses for ditching and cleaning new land are plainly expenses for permanent im provement, and not deducted.
fth. The whole amount expended for fertili zers, applied during the year to the farmers land, may be deducted, hut no deduction i allowed for fertilizers produced on the farm The cost of seed purchased for sowing and planting may he deducted.
8tb. If a person sells timber standing, the profits are to be obtained by estimating the value of the land after the removal of the timber, and from the sum thus ohtained dedncting the estimated value of the land on tbe first day of January, 1862, or on the day of purchase, if purehased since that date.
9 th. Where no repairs have been made by the tax-payer upon any building owned by him during the preceding five years, nothing can he deducted for repairs made during the year for whicb his income is estimated.
10th. A farmer should make return of all his produce sold within the year, hut a mer executory contract for a sale, is not a sale; detial. The criterion by which to judge whethe a sale is complete or not, is to determine whether the vender still retains in that charac ter a right over tbe property; if the property were lost or destroyed, upon which of the par-
ties, in the absenee of auy other relation between them than that of the render and ren dee, would the loss fall.

Ir is a fact tbat most old women who live in cottages, know better how to rear chickens tban any other persons; tbey are more suc cessful, and this may he traced to the fact that they keep hut few fowls, and these fowls are
allowed to run freely in tbe house, to roll in the asbes, to approach the fire, and to pick up the erumbs or eatable morsels they find on the ground, and are nursed with the greatest care and indulgenee.

Punotualitr. - A punetual man is rarely poor man, and never a man of dothttul credit His small accounts are frcquently settled, and he never meets with difficulty in raising money
to pay large demands. Small debts neglected to pay large demands. Small debts neglected will find himsclf at the hottom of a hill he cannot ascend.

At tbe Pittshurg rolling mill, recently, plate was rolled 12 inches tbick, $12 \frac{1}{2}$ feet long and $4 \frac{1}{2}$ fect hroad, and weigbing $12 \frac{1}{2}$ tous This is said to be the thickest plate of iron ever rolled in the United Statcs, perhaps in the world, and is to he used as a target in test ing heavy ordnance.

## A COOL FARMER.

We have seen and heard of cool proceedings ere this, but the conduct of the Vermont agrieulturist was positively" "ieed." He once
sold a load of hay to his neighbor, who, entrary to lis expectations, after secing it weighed, stayed to see it unloaded. But a few forkfuls were off, when a bonneing roek olled from off the load; then another, and "hen a third, eame bang upon the floor.

What's this?" queried the luyer in a loud
Most all herd-grass this year," replied the caf man.

But, sce here," eontinued the other, point"ig to the boulders whieh lay arrayed in judgment against the dishonest hay-man, "What

Shan't eut nigh so muelı hay this year as did last," replied the dealer in herd-grass. Just as he had finished the last scntence, lown thandered a rousing clunk of granite, making a deep indentation in the barn-floor ith one of its slarp angles
I say, neighhor N." sereamed the purchaser of granite, "I want to know what hese are?" pointing to the boulders, and the ig lump of granite.
Old N . took up a mighty forkful of the licrdrass, gave it a toss into the lay-loft, then eaning upon his fork, ejecting his huge qnid f tohacco and replacing it with a fresli onc, e took a view of the fragment of a stone wall hat lay before him, and witl one of the blandst smiles he replied.-"Them's rocks."

## WHAT A SPIDER EATS.

In order to to test what a spider could do in the way of eating, we arose ahout daybreak one morning to supply his fine weh with a fly. It first, however, the spider did not come from is refreat, so we neeped among the leares, nd there discovered that an earwig lad been caught, and was now heing feasted on. The pider at once left the earwig, rolled up the fly, and at once returned to his "first course." This was 5:30 a. m. At $7 \mathrm{a} . \mathrm{m}$., the earwig had heen demolished; aud the spider, after resting awhile, came down for the fly, which c finished by $9 \mathrm{a} . \mathrm{m}$. A little after nine we upplied him witb a daddy-longlegs, which was caten by noon. At one o'clock a blowly was greedily seized; and with an appetite apparently no worse for his prerious indulence, he commenced on the blow-tly. During the day, and toward the crening, a great many midges had heen cauglit in the web. Of bese we counted one hundred aud tiventy, all ead, and fast prisoners in the spider's net. oon after dark, provided with a lantern, we
vent in to examine whether the spider was uffering at all from indigestion, or in any other way, from his prerious meals; instead, however, of being thus affected, he was employed in rolling up togetber the various little reen midges, which he then took to bis retreat and ate.
This process he repeated, carryiug up the lot in detachments, until the whole was eaten.
A slight rest of ahout an hour was followed by most industrions web-making process, and before dayhreak another web was ready to be sed in the same way. Taking the relative ze of the spider and of the creatures it ate, what as follows: At daybreak, a small alligar; at 7 a m., a lamb; at $9 \mathrm{a} . \mathrm{m}$., a young camelopard; at 1 o'clock, a sheep; and durChamber's Journal.

Judge-_, who is a rery able Judge of the Supreme Court of one of the great States of his Union, when be first came to the bar was very blundering speaker. Ou one occasion, wen he was pleadiug a case of reple rin, inhe addressed the jury as follows
"Gentlemen of the jury, tbere were just "enty-four logs, gentlemen-exaetly twicc as The cffect can he imagined.

Tue Gardencr's Montbly says that most of the failures in planting raspberries and blackberries, arise from planting too deep.
 use tbis convenient word in its most classical sense.

Trie frarm and Garden, EARLY VEGETABLES.
Wrillen for the Farm and Flreside,
By R. O KENDALL, PBILADELPHA.
After having dieted through six months of winter, on hread, beef, mutton, pork and po tatoes, with turnips occasionally, and now and
then a dinner of eorned beef and cabbage, early Spring vegetables become necessities, not only of appetite, but of the system.
In the Spring months, after warm weather hegins to set iu, say from ahout the middle of March to the frrst of the Alleghanies Eastward to the sea, there is, in both humanity and animals, a greater relaxation of nervous tension;
more disarrangement of the eirculatory 'system, and more active efforts of nature to re organize the animal strueture, than at any other season. Henee, our appetite, aud cravgreedily to green grass, and humanity, with an greedily to green grass, and humanity, with an
equal relish, to all green things that come from equal relish, to all green things that come from
vegetahle gardens. Nature, tbrough the appetite, teaches both man aud brutes, that a diet
mainly made up of green vegetahle material, mainly made up of green vegetalle material,
at such seasons, is the most proper, and ahlest assistant in reorganizing, and rendering vigorous the entire system.
It is the opinion of eminent physiologists, and our ablest physicians, that if, as a rule
throughout the United States, we could but hurry on our Spring productions so as to hring to our tables nice, fresh crisp vegetables in ve variety, from fifteen to thirty dass carner thau would be a reduction of ten per ceut. in our annual bills of mortality; while we should all children physieally, and of course something better morally and mentally--for invalits, and even gru.
Now, if this hypothesis he correct, and it has a rational look, the hetter status is well worth an earnest effort to attaiu. Let us see if
it is within the reasonalle reach of popular praetiee-aceessible to all. A tolerably familiar acquaiutance with practieal chemistry
as applied to plant growth, some plilosophy, what coummon sense I can bring to hear, little theory, and considerahle practical ex perience, couvinees me that it is-or at least to
all who hold even a small corner of Mother Earth, and have tie energy and ambition to make the trial.
It is not probable that in all instances W shall he able to reach the thirty days limit;
but in a great mauy loealities we can; and, I believe, make the general average fifteeu, while New York, Philadelphia, Boston and Baltimore, as well as all other easily accessihle
eities and towns of the Atlantic States, may have their markets, and their citizens their tahles, supplied with good, crisp, fresh, and
wholesome vegetables, three weeks earlier thau has been the custom.
Beginuing Northward and Eastward, Rbode Island has, in the islands of her Narragansett
Bay, and the region round about Newport, Bay, and tbe region round about Newport, a garden territory with a climate almost 1tainan,
that energized, and Nature's good iuteationis secouded by human agency well directed, would supply the markets of every city and
considerahle town within fifty miles considerahle town within fifty miles of tide
water, from Boston to New London, with most sorts of ordinary vegetables, fully thre weeks earlier than they are new supplied.
Connecticnt has enough of sunny Southern slopes, and warm sheltered nooks, to provide in like manner for every table within her hound-
aries. New York and Philadelphia wonld draw their suppiies maiuly from New Jersey and Delaware ; while Baltimore conld be amply provided for from the two lower connties of the "Eastern Shore," the detatched Virginia
territory east of the Chesapeak, from St. Mary's and the "Piney Woods" of Anne
Arundel connties, besides having a large surplus to spare to interior markets.
The methods in which this bringing forward the season of Spring vegetables can unquestionably be aecomplished, are various; hut all
tending to the one consnumation; all within
the capacity of every man of ordinary common sense and sufficient energy and industry. The first step is to select suitabie garden sites,
having a shclter from chilly- North and Northhaving a shciter from chilly. North and Northwest wiuns, a warmi southern exposure, and by geueral fertilizing, under drainage, and by geueral fertilizing, under drainage, and
faithful Fall plowing. As a rule, such sites thoroughly drained, may be plowed and put in fine tilth fifteen days earlier than the average of all our vegetable garclens and "truck farms" uuder present conditions. At least ten days can always he gained, and we can very so on
bring up the other five, or eight, or ten, by bring up the other five, or eight, or ten, by and plants of all the earlier sorts of vegetables and plants of all the earlier sorts of vegetables
to begin with, aud then pushing them forward by quiek, special fertilizers, and attentive carc and culture, saving from everything of the first crop, the fairest, earliest, aud hest seeds for the next planting.
This is no mere speculative theory. We have beeu testing the praticahility of it, and find the results entirely satisfaetory. These ten years, we have had on our table, of our
own growiug, all the usual Spring regetables, as-cucumbers, peas, beans, beets, onions, age, three weeks before a single sample of any one of them was to he fouud in any market in New York or Pliladelphia, unless grown under glass. We resorted to no glass or fire heat-no conjuring or witchcraft-nothing he-
yond just sueh means as have heen briefly glancerl at, aided only by an ordinary garden hot hed. Besides, our garden had none of the natural features which are deemed essential for early production-iuclining rather away som, than towards the sun, lying low, an
soil orinally a coll, wet, tenacious clay
If we had grown suel nice crisp cucumbers, peas, beans, corn, tomatoes ete, to sell, and had them fitteen to twenty days before they made their first appearance iu the market, we could have eommauded our owni prices from of customers able to gratify their appetite at any priee. What we could have done, any
one else, having a suitable patch of ground, aud the will and energy, ean do.
Allotted space does not admit of entering into particulars, and modes of special culture ; hut if permitted the opportunity, we shall
have hereafter (not in the next world), but at an early day, great pleasure in communica ting to the public somethiug more of our ex March, 1867

## bONE DUST AS A FERTIIIZER.

As iutelligent farmer; living in the Weste part of Connecticat, writes the following: "When enteriug upon the eultivation of our present farm, we askel our predecessor what fields would give a crop of potatoes withont
the application of fresh haruyard manure, as ve feared the applieation of such in inducing "the rot." A five-aere fleld was named. We no rot among the potatoes, but the yield of the whole field did not supply the tables of the farm for the year, so exhausted was the land. In the Autumn we plowed and sowed the same field with rye, applyiug twenty-five husbels of boue dust tc the acre. Such was the in-
mediate effect of the application, that when the rye was grown, a man of ordinary stature would he eoncealed by the crop in walking througl the field. Grass seed was sown with the rye. A good crop of hay was taken the first year it was mowed. But the second year, when turf was well established, sixteen tous
of hay were taken from the five acres. After mowing it four years, it was plowed and planted to eorn, giving a leavy crop without manure. Suel is our experience in the ase of husliels of bone is a good dressing to the aere and is worth from two to three times the cost of stable manure brought from the city. Boue dust should he applied to and left as near the
surface as may he, and be suitably covered. We usually sow broadcast after the harrowing. The second course of the harrow will cover The second course

## THE PROCESS OF VEGETATION.

One of the most remarkable things in the general government of nature, which is contiuually going on, is the manner iu which certain plants accompany man iu all his wanderngs, and are only found in the path of his footsteps. The nutritions grasses he has vol untarily carried with him round the world. Of these, barley is the most widely spread, be ing kuown from the utmost boundary of culture in Laplaud down to the elevated plains near the equator. But mau has also invariably been compelled to take aloug with him a whole rahble of weeds, thorns and thistles. These plants seem to attach themselves to the
lord of ereatiou aud follow him wherever he lord of ereatiou aud folion him wherever he
goes and makes a habitation. They always settle around his house, near his stable, o luxuriate on his duughill. Travellers can thus trace, as the celelrated Augnstin St. Hilaire did in Brazil, by the mere presence of weeds, even in the nidst of a desert, the plaee of Stranger still is it, that the different raees of men have different kinds of weeds following in their wake, so that a careful observer ean, in travelling, see at once, hy merely noticing Asiaties, Germans or Slaves, Negroes or Iu dians, have dwelt at certain places. It was not without good reason, then, that some of our Iudian tribes called the common plantai in their lauguage "the white man's footsteps." ner, even now, long after the entire abandonment of the land, the former dwelliug places of Norwegian colonists in Greenland; and the deadly nightshade has followed the gipsies from Iudia throughout all their wauderings Bayard Taylor in his "Trip to Colorado," noticing the profusion of sunflowers-not an indigenous growth-says "from Fort Riley to he Rocky Mountains, wherever a wagon has made a rut in the soil, there springs up a rank hedge of tbis plant. The pig-weed, horseveed, and dutura stramonium are also rapididy advancing westward. If found them some dis tance this side of Fort Ellsworth." So it seems that weeds, like humau viees, ever mark he conquest of men over the realms of na ture.

Triveside 㨄iscellany.
reason why bees work in the dark
A life-time might he spent in investigating the mysteries hidden in a hee-hive, and still The formation of the cell has long been a ebrated problem for the mathematician, whilst the changes which the honey uutergoes offer at least an equal interest to the eliemist. Every one knows what honey fresl from the out a traee of solid sugar yn it ing, however, it gradually asssumes a crystallinc appearance-it candies, as the sayiug is, aud ultimately beeomes a solid lump of sugar. It has not heen suspected that this ehange was due to a piotographic action ; that the same agent which alters the moleeular arrangement of the iodine of silver on the excited collodion plate, and determines the formation of camphor and iodine crystals in a bottle, causes the syrup honey to assume a crystalline form. This, however, is the case.
M. Schcibler has inclosed honey in stoppered flasks, some of which he has kept in perfect darkness, whilst others have been ex posed to the light. The invariahle resutts have been that the sunned portion rapidly crystalizes, whilst that kept in the dark has remained perfectly liquid. We now see why
bees are so careful to work in perfect darkness, and why they are so careful to obsenre the glass windows which are sometimes placed in their hives. The existence of their young de pends on the liquidity of saccharine food presented to them, and if light were allowed access to this the sprup would gradually acquire a more or less solid cousistency; it would scal up the cells, and im all probability prove fatal to the hive.-Quarterly Journal of Sciencé.

## WASTE OF COINS.

Tre life of coins is said to be much briefer now thau hefore the iutroduction of steam for passenger travel. The real eause of the increase of wear iu Europe probally arises from the fact that coins are not saved and secreted as they were formerly. Now they are subjeeted to constaut attrition ly heing carried in pockets and passed from hand to hand. Ou the average, onc hundred old English shillings would not make more than eighty new ones.
The mode of mauufacturing coins is opposed o their longevity. The plain disk metal is very soft when placed hetweeu the dies. Com pression hardens the recessed surfaces, while the raised surfaees are left in a state very near their oniginal soitness. Unfortumately, the raised portions of the coin are just those most exposed to attrition. It has been proposed to raise the rim of the coin so as to proteet tho figures within. This plan might make the denomination of the coin legible for a longer time, hut would not diminish the actual wear. Our copper and nickel coins never bear the intrinsic yalue they represent, so that there is really but a trifling loss by attrition. Gold and silver coins, on the contrary, are originally worth their nomiual value, and any plan to better protect them frou wear, when they again come iuto geueral use in this country, should be favorably entertaiued by the General Government.

How to Dry Beef.-The New Eugland Farmer says:-" The best dried beef we cver ate was at the table of E. D. Rust, Esq., now of Brandon, Vt., and was prepared as follows: For 100 pounds of beet make a briue of nine pounds of salt, two pounds of brown sugar, ore quart of molasses, two ounces of saltpetre, two ounces of saleratus. Mix them well together in water;' then boil and skim. When this is cool, pour it over the meat, beirg careful to have every particle of it covered with th briue. Let the heef remain in the brine until the seasoning has struck througl it, then take it out, wipe it dry and hang it np. Some persons hang it overhead iu the kitchen, for a week or two, and then iu some plaee more out the way. When sufficiently dried it may be inclosed in hags so tight that no insect can euter, aud be kept in a cool, dry plaee. If desied, it can he smoked for a day or two, o longer, as lams are smoked."

Anom Your Homes.-Some one writes both gracefully and forcilly : "I would be glad to sec more pareuts uuderstand that when they spend money judiciously to improve and adorn the house and the grounds around it, they are in effect paying their children a premium to stay at home as muel as possible and enjoy it ; but when they spend money unnecessarily in fine elothing and jewelry for their ehildren, they are paying them a premium to spend their time away from home-that is, iu places where they can attract the most attention and make the most display."

Tie Capiliary Princhice.-Mill stones are split hy inserting wedges of dry wood into crevices; on being welted, the water is taken up by the pores of the wood and the stone is rent asunder. Oue of the most curious applications of this principle is fouud in the proand pliable, by filling its pores with oil. This cannot he done directly by merely smearing the surface, hut a way is prepared for the oil hy wetting
bing on oil.

The Encroaoming Ocean.-The New-Jersey geological report shows that the Atlantic Ocean is steadily and rather rapidly encroaching upon the land on the coast of that State. At Cape Island, the surf has eaten inwards full a mile in the last ninety years. Along the bay shore of Cape May the marsh wears away at the rate of a rod in twro years. One of the beaches upon the coast is mentioned as having
moved inward more than one hundred yards moved inward more than one hundred yards
in the last thirty ycars. It is also the opinion of the oldest observers that the tide rises higher upon the eastern New Jersey uplands than formerly.

writer feartiul tlat he might betray a want of sclolarslip. It is the tiny, glittering pearls
we waut. We slall arrauge them with pleasure in settings of grammatical purity
A few advisory friends have hinted to ns that our journal is too scientific-too far beyond lie grasp of orlinary minds. In this respeet we beg leave to differ. We have a better opin ion of the intelligenee of the mass of our agrieultural friends; and if there should be a fen hilhom our journal secms too lechnica ling by eultivating them up to full compre hensiveness. We set out with the design ou establishing a reliable and high-toned journal, and as yet see no reason why we sloould reeede from our praiseworlhy aim. No, journal, even if floundering befogged on an untray ersed sea, should hold ont any fallse allnring ights.

## A FLOWER-EDITORIAL.

For months past the daily journals have been oming to us grouning under editorials, not tew of which were windy diatrihes, abont re eonstruction, the tardiness of Congress, the short-eomings of the Tariff, the faultiness a he Internal Revenue Bill, ete. We glanee at the headings and are snrfeited; they give us at onee an inkling of the snmmary of contents, and we throw aside the paper with a sigh Howerer, in taking up the Proridenee Journal of the 21 st inst., we found an agreeable exeeption in an editorial on Hyacinths. We read the delieious little pen sketel, and imagined the aroma of flowers to be abont us. It was like a breath of Spring floating iuto the offieelike letting the sails lnll by a spice island passed in the "dull sea of reading." After giving the Mythologieal aeconnt of how there sprung a flower of more beautifnl hue than Tyrian purple from the blood that dripped from the fatal wound in the foreheal of Hyaeinthus, a he leaned upon the shonlder of Apollo, the edi or proeceds to say :
"With every returning Spring the poeti miraele is renewed. Human skill and ingenuity have multiplied these fragrant flowers so thal now florists number two thonsand ra-
rieties, whose unfolding beauty it is a pnre joy o watch and eare for. The sealy bulhs ar espeeially ealeulated for parlor cultnre, eíther in pots or glasses. They are a hardy raee; the eold wind coming through the ereries of the windows will not freeze them, the furnaee heal will not seorel them, and a little too mueh water wiil not drown them. Every one may cultivate them who has a Southern window t let in the sunlight, and a world of patienee and persereranee to take eare of them.
First, seleet the bulbs : those direetly from Holland, daintily packed, and earefully labelled by the pains-taking Enteh, are the best and surest. "Sand and leaf-nold, and loam mus then be mingled in the right proportions for the soil, and Oetober or November is the month for planting. Then carefully watering, and hiuing them in a cool dark place from the sumlight, wait uutil the roots have filled the pots. Then bring them in sneeession gradnally to the light, and very carefully nurse the little yellow knobby tips into greenness aud development. If you are willing to take the
pains, you will hare a riell reward, and you pains, you will hare a rielh reward, and you sion of gay flowers from Christmas to May. You will have speedy growth, symmetrical form, rielh eoloring, and exquisite perfume Every day will bring a new elarm to reward your eare. Delieious eerulean blue, softes rose, pale lilae, glowing magenta, pale yellow snowy white ; double corollas, and single rollas with their soft rieh petals, and waxc bells, all growing together and harmonizing in their framework of living green.
Commend us to flowers. The universal hear of man blesses them. They are wreathe around the eradle, the altar, and the tomb The Persian in the East delights in their per fnme, and writes his love in nosegays, while the Indian ehild of the far off West, elasps his hand in glee as he gathers the abundant blossouns-the illuminated Seriptures of the prairies. The Cupid of the ancient Hindoos tipped his arrow with flowers, and with us orange blossoms are the bridal crown of to-da
contributors who aim to elaborate partienlar subjeets, we would like to have a steady influs of little "tit-bits" of information, no matter
they may at first sight seem valueless, or the

If it is impossible for us, will onr moderat means, to deeorate our walls with pietures from
Florentine galleries, let us at least cultivate flowers, wbere nature is the seulptor of enel leaf and climbing tendril, and delicate tracery of frame-work, and where the Sum, the grea painter, brings out with the skill of the master Le riell, gorgeons coloring, and that perfee artist essays in vain to imilate

## EARLY potatoes.

I have praetieed for several years the fol owing metlood of raising early potatoes, whie Ido not reeolleet having scen in print, and b:
which from two to fonr weeks' time may bo rained-no small item in this market, where
fery early potatoes hring from three to foum very early potatoes hring from three dollars per bushel.
Cnt thin tmrf in pieees, ahont three inches quare, and plaee them, recerveci, in a gentle ot-bed, elose together. On eaeh of thes laee half of a medium sized potato,
cut side down. Cover them with one incli o fibrous loam, and treat the same as other hot bel plauts. As soou as lite frosts are past apart.
The last of Mareh, or the first of April is carly enongla to eommence operations, in this
atitnde. atitnde.
lay is preferable, as it prevents hem from wilting and starts a rapid growths Try it, and you will be surprised at the result.

Consumption of Weol.-In the Monthly Report of the Agricultmal Department for Feiruary, is a communication from David 1 Wells, the United States Speeial Commissione Revenue, correeting an estimate of the an ual consumption of wool in this country There are nearly five thousand "sets of wool estimatecl consumption of seoured wool $142,844,317$ ponuds. That amount of mannfactured into eloths and fabrics ever ear-that is, in prosperous times. As a lary on "short time," or have only a part of their machimery in operation, we eannot expeet that the eonsumption of wool for 1867 will exceed cnormous; and is an eviclenee of the extent and eapaeity of onr woolen manufactures.

Isteresting to Farmers.-Among the ent ehanges in tlic Internal Revenue Laws is ne allowing one thousand dollars, instead of ix handred, to be dedueted from ineome urns. Among the artieles placed upon the
ree list, are the following, all either produced $r$ in comunon use among the farmers: Cauned nd preserved regetables and fruits, fabries produeed ou hand looms, apple parers, bee hives, easks, ehurus, baurels, horse rakes, horse owers, harrows, hay forks, hoes, portable grinding milis, horse blankets, forks, garden
cogines, hydraulic rams, wasling and wringengines, hytraulic rams, wasking and wring-
ng maehines, spinning wheels, and faru wasons and earts. These ehanges will relieye the tarming eomnunity of eonsiderable taxation.

Agrieclutural Report.-We are indebted Seuator Anthony for the Report of the ommissioner of Agriculture for the year 1865 . contains many valuable experiences and gestions. It world, ultimately, put money in the national treasury if these Agricultural
Reports were placed in the hands of erery rmer who would read them.

Wool.-The manfature of knit woolen oods has been greatly stimulated in this country by the high cost of importation since he war, and it is now estimated that 400 sets of maehinery and 40,000 hands are employed n this branel of industry in the United States, produeing goods to the ralue of abont $\leqslant 20$, 000,000 per year. The New England and Middle States nearly monopolize this business, New York taking the lead with the extensive mills at Cohoes
improvenients in machinery
It appears, from the report of the Commissioner of latems, that this departnent of the profitable, liaving yieldecl a snrplus, over the xpenses dmring the year, of se2ct, 125.00. The Patent Offiee is the great index of American energy and genius. Last year there were nine housand four hundred and fify patentsissued. Tot a few of thein were fir improvements in agrienltnral implements. The idea that to in-
crease mplithery is to inerease the oproses sons of the poor, was long ago explofect. It The progressive farmer always luis an rye ow mproved machinery connceted with his roca-
ion. He knows that it is a mue jet waluble achlition to bis means, savine much mennal abor, and ensuring to him suceesstul competihomongl trial and insestigation; and if he is such maehinery is kept in good order ant

## agricultural news items

Tue Kentncky Arrienltural Soeiety lave re-

ergs produced al home eonsumet nous numl

Oho has 6000 aeres planted with grape The yield in 1866 was $2,500,000$ pounds of rapes, and 237,000 gallons of wine.
Everir week for a mouth past 200, (n) hush of corn hare arrived at Atlanta, cha. Gran is sold is, so much for a hnneire pounds. Ther are going to try black-secd Eyptian tton, in Texas.
Ture Sirawberry and peach erops in souther thinois are expeeted to be larger thitn usual At Lynehburg, Vo., shipping tobaeeo, which wo weeks ago sold from sit to 59 , now bring Cmamp.agi county, fllinois, claims to execl in pear eulture. It is the riehest kind of hack prairie.

- Wur bools Talile.


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IThe firesine 解use：

## childish wisdom．



## Fireside Frale．

## THE HERDBOT＇S DREAM．

Tue herdboy was out upon the hills，with his herd．The Summer was over，and Au－ tumn＇s cheek had finshed and faded into decay All the glories of the forest had departed；the
leaves that had mellowed into gold，the leaves that had burned into crimson－all alike had withered，and silently，softly sought their graves．The hills looked bleak，for the grass aud flowers had said good－hy，and faded away． Only the purple heather still hloomed，and the breeze swept over it，as if
for the things of Summer．
It was very lonely，as well as bleal，out up－ ou the hills；the little village lay in the dis tance，too far for him to hear the sounds of life whieh carne from it．Everythius looked dnll its blue and gold shadowed by sombre grey The herd roamed noiselessly about，cropping the heather，or looking with steadfast，wistful eyes far off，as if they saw some hidden Sum－ mer，some land of eternal bloom that human eyes might not disceru．
The herdboy lay upon his hack，lookiug up at the clanging clouds，and listening to the soflly－sighing hreeze，as it kept up its hurried search over the hills，His was not a very
happy life；he was ragged，and often foot－sore and weary；the herd sometimes proved trouble－ some，and the man who owned them was not lived with his mother in the little German vil－ lage．They were poor，very poor，and often the boy went without his breakfast．His feet weie always bare，and all his good mother＇s patching could not keep his clothes decent． Yet he was a patient，cheerful boy，and none whistled more gaily，nor blew such a merry blast upon the horn．
As he lay looking npward，he thought of his hard lot，and wondered if life would always be so．He wished very much that he could go to some land where Summer did not fade，
nor lerds roam．Then he thought of his mother，and he knew he would not wish to leave her；still he wished there was some pleasant country where both might go，and he happy．
Thus thinking，all at once the sky changed and fiually melted away；the heather looked covered hy a mist，the herd seemed far，far off； his eyelids fell－the herdboy slept．
He slept，yet still he continned to think， And he was wandering after his herd，when suddenly there came a dark rolling river，and all at once the
lowed them
And after
And after he had been some time in this
lack flowing water，he fonnd himself upon black flowing water，he fonnd himself upon
the borders of a beautiful land，and as soon as his feet touched the shore，he thonglit no more of his herd．
The bank leading up from the river was of
golden sand that glisteued in the sun，and there were those standing upon it who raised a glad re
cry as he approached，and stretched forth white hands to help him upward．
He went with them till he came in sight of the city．The walls about it were of crystal， the gate of gold，eucrusted with precious gems， aud it swung upon hinges of pearl．One who
had white flowing wings guarded it，and he smiled upon the poor herdboy as he passed through．
As soon as the gate opened，the glory of the
place burst upon the hoy
There was a throne，and the King sat upon The throne was white，like the clouds we sometimes see，and the King looked not like any other，hut was grand and great，yet simple as a little child．
Numbers of heautiful ones stood on every hand，all having white wings，and wearing crowns upon their golden hair；while beneath their brows their eyes shone like violets under banks of snow．They held green brauches， which they waved softly，and kept up a sound waters，aud yet so sweet！There were harp－ ers，too，with harps of gold，and they never wearied．
The air was radiant with a sun that did not scorch，and filled with a perfume that did not oppress．And there，lying a little way off，
were the greenest fields－such fields were the greenest fields－such fields as were
never before seen，so soft and cool，and clcar never before seen，so soft and cool，and clcar All over these fields the white lambs，whiter than snow，lay cropping the golden－hearted lilies，that ever sprang again．
The herdboy gazed and listened：the music was such as fills the heart with tenderest long iugs．
Then the King stretched fortin his haud to the hoy，saying：＂Welcome！this is thy care for them，and I will carc for thee．＂
Again the herdboy looked at the lambs，and was satisfied，as if he had his heart＇s desire ； for they were very lovely，and not at all like he rude herd he had loug tended．
And it seemed that at this moment the nusic swelled higher，the air grew more fra－ grant，the light more radiant．The hoy felt had joined in the song，and was lost in de－ light．
But suddenly the song waxed lower and lower，and grew faint，and then ceased；the city faded and disappeared；and opeuing his eyes，the herdboy found himself lying upon scattered about on cvery hand．
He arose，for the sun was sinking low，and howing his horn，the herd came slowly up， the path homeward．
That night，as the herdboy＇s mother sat mending his jacket，he lay hefore the fire and told her of the beai：tiful land he had visited．

Alas，my child！＂she said，＂there is no such land！There is surely no hetter land than this，＂
But he said he had seen it，and，moreover， was to go there，some day．
And not many nights after，as he lay upon his bed，a knock was heard at the door
When it was opened，the shadowy figure o an old man entered：it was the Augel of Death．
And going to the hed whereon the hoy lay， he said：＂I am come to take thee to the heaul－ tiful land．＂
Then the poor mother wept，saying：＂Leave e not alone，my child！
But the boy answere
other，let me go．＂
When the mother saw the childs she bowed her head；and the old man put forth his hand and tonched the hoy，and he passed away．
Ah！then the poor mother wept，and could not he comforted，becanse she knew not this land to which her child had gone．She wan－ dered out npon the hills，wherc the hoy had so
often trod，and asked the herd if they conld tell her where the land lay to which her trea smre had gonc．

And the herd lowed softly，and looked fa
off at the horizon，where the sun was sinking Then the mother said to the heather： Where cau it he that he has gone？＂ The heather poiuteă upwards with her fin－ The
gers．
Pr

The wind was sitting wailing upon the hill－ top，and the woman said：＂Perhaps thou anst tell me of this land！
Then the wind arose，aud soared high， higher，till it was rolled up in the crimson clouds．
＂It must he that way，＂said the mother， ＂but alas，it is out of my reach！
So she sat down npon the hill－top，and the vitiug frost came and touched her sharply．
Just then the white－haired pastor of the vil－ lage passect that way，and seeing the lonely roman，he stopped．＂Thon art wise，＂she said；＂tell me where this beautiful land is， that I may join my child．＂
Then the old man，taking pity hecause o her ignorauce，told her of the world beyond， and how it might be reached by Christ，who is the＂way and the life．＂＂Go to thy home，＂ said this good man，＂aud through faith in Christ thou shalt one day see thy hoy．＂
The mother arose，comforted，and went to
her home．And through patience and faith
she waited，when soon there came to her the she waited，when soon there came to her the Angel of Death．
＂Come！＂he said，＂the
The the boy awaits thee，＂
Then he took her up，for she was very un－
easy；and when she opened her eyes，lo！she
easy；and when she opened her eyes，lo！she
saw the beantiful laud，aud the herdboy stand－ ing to greet her．－Methodist Home Journal．

## 朔iscellany．

FARMERS．
Adas was a farmer while yet in Paradise， and after his fall，commanded to earn his bread

## the sweat of his brow．

Job，the honest，upright and patiert，was a farmer，aud his endurance has passed into a

## proverb．

Socrates was a farmer，and yet wedded to his calling the glory of his immortal philoso－ phy．
St．Luke was a farmer，and divides with Prometheus the
the use of man．
Cincinnarus was a farmer，and the noblest Roman of them all．
Burns was a farmer，and the Muse found him at the plough，and filled his soul with poetry．
Washington was a farmer，and retired from the highest earthly station to enjoy the quiet of rural life，and present to the world a spectacle of human greatness．
To these names may he added a host of others who sought peace and repose in the cul－ ivation of their mother earth；the enthusi－ astic Lafayette，the steadfast Pickering，the scholastic Jefferson，the fiery Randolph，all found an Eldorado of consolation from life＇s lawns that surrounded their homesteads．

The telegraph along the Norwegian coast has been employed recently for the purpose o giving the fishermen notice of the appearance and position of the shoals of herring which
are fonnd on that shore，and also communicat－ are fonnd on that shore，and also communicat ing other nsefnl information whereby the fish on．
Nutrition of Sugar．－Dutrone calls sugar the most perfect alimentary substance in na－ ture．Dr．Rush says it affords the greatest quantity of nourishment in a given quautity of
matter．Sir John Pringle tells us that the plague has nevcr been known to visit any country where sugar composes a material part of the diet of the inhahitants．

A blundering or wilful compositor and proof－reader on the Davenport（Iowa）Gazette recently canser that journal to appear with Ways and Means have decided to put Chase and Butler on the free list．＂It should hav

## a frank admission．

Buily Ross is a great temperance lecturer， and at Rushville，Illiuois，was preaching to the young on his favorite theme．He said：－
＂Now，boys，when I ask yon a question you mustr＇t he afraid to speak right out and an swer me．When you look around and see all these fine houses，farms and cattle，do you ever think who owns thein all now？Your fathers own them，do they not？
＂Yes，sir，＂shouted a huudred voices．
＂Well，where will yonr fathers he in tweuty s from now？
Dead！＂shouted the hoys．
＂That＇s right．And who will own all this ＂perty then？＂
＂We will．＂
＂Right．Now，tell me，did you ever，in gning along the streets，notice the drunkards lounging around the saloon doors，waiting for somehody to treat them？＂
＂Yes，sir，lots of them．
＂Well，where will they be in twenty，year from now？＂

Dead！＂exclaimed the boys．
＂And who will be the drunkard then？＂

## ＂Us hoys！＂

Billy was thunderstruck for a moment，but recovering himself tried to tell the boys how o escape such a fate．

## EXPORTING CHEESE TO NEW MAREETS．

Tue English do a large export trade in cheese with Australia，India and China．The cheeses sent out are generally small in size， many of them of the style known as loaf o truckle cheese，weighing from 10 to 15 pounds
In order to have these cheeses keep during so long a voyage，they are encased in bladders In addition to the bladders，a composition is used for ruhbing over the cheese，so that the air may he thoroughly excluded．The blad－ ders are moistened with this composition，and then carefully pasted over the surface of the cheese．They are then allowed to dry，when the cheese are packed in cases and are ready for shipment．Large profits are realized on these shipments，and we can not see why Auserican dealers do not enter into a trade that would pay them largely．
While in England，the past season，we learned that English dealers，were shipping American cheese to varions points of Eurone， Asia，the Cape，andSouth America；and it ap－ peared strange that American dealers should he content to
these marksts．
The American cheese trade has uow be－ come an important branch of commerce with Britain，but it ought to be extended into new markets，and with proper entcrprise on the part of our dealers might be made to pay them． Utica Herald．

Facts abott Raitroad Speed．－A railroad car moves about seventy－four feet，or nearly twice its own length，in a second．At this rc－ ocity the locomotive driving wheel，six feet in diameter，makes four revolutions in a second， he piston rod thus traversing the cylinder eight tiues．If a horse and carriage sshould approach and cross a track at the rate of six miles an hour，an express train approaching the mounent wonld move toward it two hundred and fifty－seven feet，while it was in he act of crossing；if the horse moved no aster than a walk，the train would move toward it more than five hundred feet，which fact accounts for the many accidents at such points．When the locomotive whistle is opened at the post cighty rods from the cross－ ing，the train will advance nearly one hundred feet before the sound of the whistle traverses the distance to，and is heard at，the crossing．

A oertain farmer（a pillar of the church） had a fine field of wheat，which，being a little late，was threatened with an early frost．In the emergency he went into his closet and restled in prayer with the Lord for its pres－ fully，and how the wheat would be affected by the frost，and wonnd up his petition in these words：＂Not，Lord，that I wonld dictate，bnt merely recommend and advise．＂
terms of advertising
non

IPhiladelphia Saciety.

## a potato convention.

The Pliladelphia Socicty for promoting Agrieulture held an adjourucd mecting on the 22 d inst., tluc oljeet bcing to discuss the the different varieties of the potato.
Dr. Thompson, Chairman of the Committee on Potatoes, stated that the meeting had been mode of enltivating the potato and improving its quality.

Among the specimens exhibited was a scedling Merecr, planted among Monitors, which, it was stated, partook more of the taste of the Monitor than of the Merccr. They boil ver white and meais:
Mr. Thomas J. Edge, of Londongrove, Chestcr county, who raised the speeimens, stated that they werc the product of a seedling raiscd from the seed-ball taken off a Mcrecr vinc, whieln owing to the eirenmstances, must have thonght the potato was a lyybrid between the Monitor and Merccr, and hoped the Society wonld give it a name.
Specimens of a seedling potato were sent hy Mr. S. Cliamber, of West Chester.

A member suggested that they be named the Clumbers potato
Mr. Harrison thonght it would be prematnre to name the potato, as it resembled another kind which he had seen. The presumption is that the potato is a seedling, hat it may not he ancw varicty.
Dr. Ellwyn said it wonld he important to get a biography of potatoes, for the purpose of aseertaining where they came from and thcir quality. He was satisfied that potatocs change their characters with the soil and elimate.
Mr. [Larrison gave an aceonnt of the origin of the varions potatocs now grown, during Which he said that the Early Goodrieh and the
Harrison potatoes were the most prodnetive. Mr. Fort stated that he had obtained the largest erop by eutting the potatoes, and planting in fnrrows two feet apart.
Mr. Jancs Thornton stated that so far as his experience ment, he gave his decided prefercnce to the Early Gooulrich, as the best early potato that can be planted.

The wharkets.
WOONSOCKET RETAIL MARKET.


## BRIGHTON CATTLE MARKET.

$$
\text { March } 20 t h, 1867 .
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Marriages.


Rhode Island.





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| :---: |
|  |  |
|  |  |
|  |  |

Hew Karls.
New Books! New Books! !


1 Pars Row,


$$
\begin{aligned}
& \text { NEW EDITION, REVISED and ENLARGED. } \\
& \text { BY ANDREW B. FULISR. }
\end{aligned}
$$

Mr. Fuller's work met the general want nn a plain and practl-
eal treallse on grapc culure. As it was hnsed npon establushed
princlples, it ato once took rank as a standard work. Most
the treatises that hnve appeared since are nothing more tha
Fuller modificd and diluted. When the structure and mode of
Friler modici of the vine la once understood, nll systems of trainlng
become plain, nnd one may he followed as readly na notiter. Mr. Fuller givcs thls knowledge of the vine most clearlls, nnd Illustrates it so plafily that nn nne can full to understand ll, and
for this reason his hook hns hecome remarkahly popular, and has not been, nor ls lt likely to be superseded hy any othe


## SUPERIOR TOMATO.

Tris is a fair representation of "Mrcupay" Superior," onc of the best tomatoes of re cent introduction. It originated with Messrs. Maupay, of Rising Sun village, Pa., and is a cross between the old fashioned Scarle and the Fejee Island variety. This fruit is of a beautiful deep red color, round in form, and perfectly smooth. This smoothness of the skin is a desirable characteristic, as little or tio waste occurs, as in other rarieties. Its size is medium, the ficsh exceedingly solid, and has but few seeds.
The Magazine of Horticulture, for March, speaks highly of the Maupay Tomato-an authority not to be disputed. We advise the lovers of this fruil to procure a few seeds, or plants (obtained of most respectable seedsmen), and try it the coming seasou. If the seed cannot be found at seed stores, send to Messrs. Manpa \& Hacker, 805 Market street, Philadelphia.

## The 5 tock-装ard

dISEASES OF HORSES AND CATTLE.
Written far the Farm and Fireside,
In looking over a recently published book purporting to instruct farmers how to treat their domestic animals, in case of sickness and accidents, I was impressed with the belief tbat it would be about as nseful as are the books which are written on law, with the title of "Every man his own Lawyer." Such books may be read, and the reader be left about as ignorant of the principles of law, or of medi cine, as if he had never read them, or most certainly of their practice.
Eiven if such books have been written by men of enlarged experience and skill in their pro fession, particularly in writing on medical science, they are too brief to give an idea sufficient to practice upon, or to anderstand the nodus operandi of medicine.
All intelligent poople know that in order to qualify a person for the practice of law, o medicine, or any of the mechanical arts, it is necessary to go through a course of instruction and study for years, before they embark in any of those respousible professions, (although it is no uansual thiug for persons professing to be veterinary surgeons, to be palmed upon the community after having taken office instruc tions for a few wetks); and even then it take a great deal of experience to enable them to discharge the various brauches of their profession with credit to themselves aud adrantage to their employers.
If such a course of preparation be necessary which includes the careful reading of the most elaborate and scientific works on Anatomy Physiology, Pathology, Materia Medica, Therapentics and Surgery, before being qualified for the practicc of medicine, what benefit can a person receive from reading one of those small works, that does not contain one hundred per ccit. of the information that is neces sary to cnable the reader to diaguose the different diseases and treat them successfully? But, suppose these books to have been writ ten with out a proper knowledge of pathology and or the modurs operandi of medicines-and thei prescriptions to be be carried out by men who make no pretensions to any knowledge upon these subjects, and we may easily imagine how disastrous wonld be the result.
For instance, one of the above class of wri ters gives the following iustructions to farmers for the treatment of pneumonia (inflammation of the lungs) in horses. He says: "the firs thing to be done is to bleed largely, or until the horse shows sigus of fainting; then give
two drachms of tartar emetic and 30 grains of digitalis, at a dose, and repeat every three o six honss; and if no better in twelve hours repeat tbs bleeding and continue the medicine. No conscientious veterinary surgeon, who un derstands the operation of tbese powerful mediciues, wonld dare to give them in such large and repeated doses, because he knows that they would in most cases prove fatal.
In one of these books alluded to, we are directed to treat cows for inflamed udders (or acnto mammitis), by applying a warm drawiag poultice, and hasten the formation or pass asitis fast as possible; and for chronic mammitis,
("caked bag") to apply cold applications.

Both of these recommendations are grossly unscientific and absurd.
By employing warm poultices in acute mammitis we wonld draw more blood and fluids into the already over-charged ressels of the hag, injuring them as milk secreting ressels and rendering the cow worthless for dairy purposes. On the contrary, the treatment mon sense dictates; such treatinent as will al lay inflammation and remove congestion from the mammary glands. Cooling, evaporating lotious will accomplish this; and if the hard ness is not entirely subdued, rub emollient liniments faithfully in to the parts, and give inter nal absorbents.
For chronic mammitis, instead of cold appli cations, as the writer recommends, in which there is always a cold, sluggish and inactive state of the vessels of the part, the applications should be of a warming and penetrating character, which would greatly assist and ex citc tbe ressels to the renoval of the obstruc tions which have been formed in the ndder: These external remedies must also be assisted by internal medicines-those best known to medical men to exert a specific influence in promoting absorption from the mammary glands.
March, 1867.
Eiluing Tions on Lambs.-All concur that ipping lambs in a decoction of tolacco trong enough to kill ticks, is the most ef rectual mode of removing these parasites from the flock. The time of our correspondents dipping tbem varies from two or three days to tro weeks after shearing the dams. We pre er the latter time, so that all ticks on the ewe shall have had time to get (as they will), o the lambs.-Exchange.

Sheer prefer upland pastures, and a great rariety. It has been proved that the pasture has a greater infinence than climate on the fineness of wool. Fat sheep sield heavier an coarser fleeces. The fine flocks of western Pennsylvania, when taken to the prairies of western Illinois, in the same latitude, will in a few years change their character. The quan ity of fleeces and the size of the sheep will in crease, b

To DYe Soarlet.-Take one and one half oz. cochineal, one and one half oz. solution of in, and one oz . of cream of tartar, and dissolve in a brass kettle, with water sufficient to cover one pound of wool. As soon as dis olved put in your wool, or woolen hanks, and boil them oue hour. Then take out and rinst vell in three or four cold, clear waters. After dying the scarlet, the same dye will dye a lit1le nore wool a light salmon color.
To Dre Greex.-Dissolve one oz. of indigo in six oz. of sulphuric acid, by letting it stand wenty-four hours or longer. Then pat this olution in a large iron pot, filled witb a strons lecoction of red oaks and hickory bark, in which has been dissolved half a pound of alum. Put in your three pounds of wool, or woolen hanks, and boil three quarters of an hour. Then rinse well in three or four cold clear waters. After rlying your three pounds of wool a deep green, the same dye will dye a of wool a deep green, the same dye
little more wool a very light green.

縣hode Esland.
A GIICULTURAL TMPLEMENTS.-A. S. ARNOLD, denale
 Holder's Block, Main Street,
Woonsocket, R.

W e. barrett aco.,

## mean's patent conical plows,

hare's horbe hoes, woon's ann wight's plows, arnen barrows,
chase's two horse potatoe diggers, store trucks,
improven hingen harrows, cultivators, road Scrapers, ox yokes, and plow castings; And Wholesale thealers in
 And Agents for
mowing machines,
Whitcomh's Patent Horse Rake, and the best Hay Tedder in
the market. Prices low and Terms Cashl. arch $23,1667$.
W. Pbotibrnoe, re-
W. E. barrett \& co.providence, r.it

## Now at the Lowest casil prior

## Con sake Prime Red Top.






``` London Hort. and Concord Prle Beans.
Buck hewher
Millet hand Hunner
clprer Hat I \(\quad\) ngarian.
Orchard Grass,
``` garnen seens,



\section*{32 candl street, 32}

March 23 r887.
\({ }^{\text {Providenoe. }}{ }_{\text {we-tf }}\)


Higat mas wax

Wax hax ruy


Hassachusetts.
Coums niss com
oasi andanombade on consieyments 33 state Street, and 130 Central Street, B New England Agents for the



March 9 , 1867 fircular giving ful periculat
Man


my catalogue many
NEW and Rare vegetables,
sege of which are not to be found on the list of
Ioffer an opportunity for all to procure their
beet, carrot, onion, ann many other varieties of seed, hirectly from the grower.

March 16, 1867

Shect Nash Tolacco

\section*{cks, scab, vermin and roo}
[E" This pure preparation has heen successfuly used for rears, and never fails to prounce the desired effect when use

It will not injure the most delicate animal.
It will not injure the most delicate animal.
It will improve the Quality and Quantity of Wool.

\section*{It will improve the Quality
It kills TICKS on Sheep.}

Iecures SCAB on Sheep.
It cures all SKIN nISEASES on Animals.
It kills all YERMIN that infest
It kills all YERMIN that infest Animals, Trees, Plants and

ES For FOOT-ROT it is a sure cure, used as a poultice.
GE ONE POUND of this Extract will make TWELVE POUNDS of TOBACCO, as prepared by farmers.

\section*{Sold by all Druggists and Country and Agricultural Stores.}

23 Central Wharf, Boston, Massachusetts.
For sale by Kendalt \& Whitnry, Portland, Me.: N. S.
Harlow, Bangor, Mle. S Smonds \& Co., Fitzwilliam, N. H.

Permsyluania.
\(\mathrm{R}^{\text {Hones' }}\) SUPER. рноSphate.
eytery nescription of crops.
red by

\section*{Endorsed and recommended by nr. Evan Pegri, late Prest
dent nf the Pennsylvania Farm School. The character of this}

Manure is now so fuly established, it is unnecessary to
fully up to the standarn, in quility,
P Farmers, when purchasing, would do well to get the
nall \& trimble,
\(\left.\begin{array}{l}\text { 418 Sonth Wharves, } \\ 419 \text { Penn. Street, }\end{array}\right\}\) PHILADEL PHIA.
March 23, \(1867 . \quad 3 \mathrm{~m}\)-ee-1I

In these days of Sronny, and high priced goods, every fams
ly in the country should hare one.
half the cost

day. From 10 to to yards can be woven on it in a
FARMERS
don't sell your wool and huy SIIODBX, when with nne of these
Looms in your house the Girls can make all the clothing for he family, and much better quality, at half price.
By lite improvements, RAG CAREETS can be woren with the
 Also, nealers in Cotton Warp, Wool and Flax Fhiling Yarns,
Reeds, Hariness and Loom finding generally.

J. hickling a co.s




Natural vines in wet places are frequently indebted to this moss for their existence. To
follow nature then, you must first grow the follow nature then, you must first grow the moss, and afterwards the cranberry vines. Tbis would he more reneration. It is true, tbey can be planted in the growing moss, and at some indefinite time may produce a crop, if at some indefinite time may produce
not overgrown by grass, bushes, \&c.
During the ten years in which I have worked my natural hog, I have endeavored to observe the wants of tbis vine from its natural growft and acting nnon such observations, I have in creased the vines to a large extent, and have gained much experience. It has been drained; some of the mud bottom has heen covered with sand; and some of the more sandy ledges have been turfed, plowed and planted. The returns for the money invested would have heen ten
times more than they were, had not the early and late frosts often destroyed the crop on the and late frosts often destroyed the crop on the
mud hottom to a greater or less degree. Once mud hottom to a greater or less degree. Once
or twice in May, after the huds had swelled or twice in May, after the huds had swelled
largely, the frost destroyed all of those on the mnd hottom, excepting those on tbe sandy ledges and on the parts covered with sand. Several times in September, from the thirl to the eighth of that month, the frost destroyed the berries before they were ripened, those on the sandy and sanded portions agaiu escaping Therefore I assert, that cranberries on a mud
bottom which has not been sanded, are a rery bottom which has not been sancled, are a rery
uncertain crop; but when the mud bottom is sanded, the crop is more certain tban the gencrality of farm crops. I intend to cover all my mud with sand as soon as I amable to. Once, sanded and nnsanded mud; but before noon the berries were softened on the one and not on the other. My theory, in explanation of this fact is, that the sandy surface being a bet
ter eonductor of caloric than the mund, the thawing took place before the sun effected it suddenly, the fruit thereby being saved.
A mud then, such as we have in New Jersey,
and the coarse, clear sand, are requisites, and and the coarse, clear sand, are requisites, ant
we may sately drain them to bring the vines into bearing in reasonable time, and to protect the buds and finit firom the late and early frosts. So far as we are informed, Michigan has not these requisites. Cape Cod, perhaps parts o
Long Island, and the pines of New Jersey; are the only places of any eonsequence in the United States that have them. South of this, we hive good reason to suppose, that, as the
month of September inereases in warmth, the berries soften so much in ripening, that they bepete in the market with our more Northern berries
From these causes, and also from the fact
that only a small percentage of our acres are that only a small percentage of our acres are
fit for the more proftable culture of this berry, we have eonfidence in making the necessary heavy outlays in eranberry cnitnre. One thing elevated piece of coarse land, aud put it upon the surrounding inud bottom, making all of one level, and planting the space in crau-
berry vines, which have now been in bearing two years. The mud part, eovered with sand, is producing berries at the rate of two hundred bushels per acre; and has a nice, close corer-
ing of plants that are not too large. The ing of plants that are not too large.
sandy place, from which the knoll was removed, prodnces only abont fifteen bushels per acre, and has a sparse and dwarfed growth of vines. This fact shows the difference be-
tween clear sand and soil, with a good proportion of vegetable matter in it. This is the ex perience on all the plantations or savannahs in this neighborhood; the soil is sandy, and more case, the soii was all moist alike, but savannahs are not so, the parts that are more elevated suffer with the dronght, and dwarf the berry as a consequence. The proportion of mnd and
sand, the drainage, flooding, irrigating, \&c., are nice points in cranberry culture. Onr eyes must be kept open constantly to observe the habits and wants of this little vinc, so differ-
 plants with whieh we are accustomed, or we shall make sad mistakes.

Pemberton, iv. J., April, 1867.

RHODE ISLAND HORTICULTURAL SOCIETY.
The regular montbly meeting of tbe Society was held on Wednesday evening, March 27 th at Providence, Vice President Wm. S. Patten the chair.
The committee appointed to consider the question of a new building, reported that it was inexpedient to make any attenpt to build at this time; that the quarters now occupied were probally hest alapted for the purposes of he Soci
The committee appointed to revise the by laws, and particularly to inquire into the expe diency of doing away with the plan of num bering contributions, reported that the last collection of by-laws of the Society was the code adopted in 1754, and printed in 1855. Since that time many material alterations have been made, many of which were but imperfectly known. Upon an examination of the records a satisfactory code was found to be in exist ence, though some alterations had now become of the constitution and by-laws, embodying some changes which they had deemed useful. These were taken up by sections, adopted in art, and the remainder laid on the table until he next meeting.
On motion of Mr. Godding, a vote of thauks was tendered to the Hon. S. S. Foss for entitled the Form and Fireside.
Mr. Bourn, from the committee on that snb ect, presented the report of the committee ap ointed to recommend a list of preminms \(t\) be awarded at the June exhibition. The re ad been made.
The following gentlemen wcre admitted nembers on the nsual terms: Lavrenee Towne J. H. Bongartz, E. W. Billings, Avery Wilkin n, J. L. Sherman, C. E. Boon, W. Jackson T. M. Ronnds, Emilio Castillo, Jno. H. Hart, Albert Gartield, Edward B. Perry, Dauiel An-
gell, Jr., Baitey E. Burden, Alvan F. Sterens gell, Jr., Baitey E. Burden, Alvan F. Stevens, Rev. Isaac Cheesboro, Thos. G. Potter, Josepin H. Paine, Wm. H. Reynolds, Thos. J.
Cappenter, Joseph Wm. Riee, Frederick But ess, Jno. II. Rounds, Wm. J. Andrews, Free Vorn Coggeshall, E. H. Manchester:
resented to Hon. Isaac Newton for donation
of reports.
Among the contributions presented were the
ollowing:
Wright, gardener to G. W. Chapin, ollection of eut flowers; one Azalia in pot
specimen of Aristoloochia Braziliensis, an a specimen of Aristoloochia Braziliensis, an \(\$ 5\) awarded.
From W. S. Hogg, florist, a specimen o oogeira Tbursiflora, and a speeimen of Deut\(\$ 3\) was awarded.
From Thomas Hannay, Mademailla Magni fica; Azalia, Qneen Victoria. 1 preminm
The display of plants and flowers was large, nd the specimens manifested great lux uriane of growth.

Premitu ms for Grape Growerrs.-Tbe Lo orth Wine House at Cineimati offers threc remiums for snperiority in grape-growing, a
follows: A silver piteher, two goblets an waiter, to cost not less than \(\$ 350\), as the first premium; a silver cup, to cost not less than
\(\$ 100\) as a seeond premium; and a silver cup, to cost not less than \(\$ 50\), as the third premium. The first premium to be given to the best gene 1 wine grapes of the whole country.
The second preminm is to be given to the best variety of grapes for wine purposes in the
State of Ohio, provided it is not awarded to State of Ohio, provided it is not awarded to
the grape that receires the first premium, in which ease it will be given to the seeond bes wine grape iu the country. The third premi mm to be given to the best table grape, for general purposes, in the country. Tbe fruit is to exhibition of the American Wine-Growers' sociation of OLio and Cincinnati Iortienltural Society, in quautities of ten lbs or more, with samples of the wines from the competitors for the first tro preminms if practicable.

\section*{}

\section*{the robin.}

I was not astonished to hear a word said against the robin, as Mr. Cbase was, in the Furm and Fireside. When lie has had the ronble with tbem that I have had, he will gree with me. I hougbt a farm ten years ago and at that time was a great favorite of the robin's; so much so, that I gave a robin sbooter fifty cents not to shoot one on my farm. Now I will give him one dollar to sboo every one tbat stops with me. There were ot of young cherry trees on the farm, and I thought that I would bave an extra variety by grafting tbem. I went to work and grafted hem, at some expense and much trouble, and he third year tbey bore cherries that rere worth six doliars per bnshel, and have borne enough for our family.
I set out strawberries, and raspberries, and rapes of rarious kinds. When the cherrics and strawberries are gonc, the robins take he raspberries, tben the Delaware and Diana grapes, and by that time they are fattened for the Sonthern sporismen. C. says that he. has seen them piek worms from almost every hill of corn. I never saw them eat any other but the easter worm, which never did any harm I never saw them eat the caterpillar, canke orm, curculio, borer and snch troubleson forms and insects. The robin is our wors please let us know through the Furm and Fir

\section*{Jolunston, R. I., April, 186}

\section*{OUR CABINET OF CURIOUS THINGS.}

There are many curious things that ocenr in
form a part of, the natural world. Man f them seem almost incredible, bnt we must rolity of the naturalist who relates them. Fo instance, wonld you believe that there are
trees wincti grow suirers
Probably not; and yet Humbolt gives the subjoined account of trees of this eharaeter. "We
saw," says he, "on the slope of the Cerva Dnida, shirt trees fifty feet higb. The Indians cut off cylindrical pieces two feet iu diamete from which they peel the fibrous bark withon making any longitudinal incision. This baris fiorls them a sort of garment whieh resemble sack of very coarse texture, and without nd tro lateral holes are eut to admit the arms. They have the form of the ponchos and mono of cotton which are so eommon in New Gra nada and at Quito." We opine that snch shirts will wear well; and if noteasily to be washed, weekly seraping wond answer the same ealthful purpose. A singular discovery, wbich

\section*{Bees and other insects are providec, as every} body knows, with feelers or anteunr. These are, in fact, most delicate organs of touch, warning of dangers, and serving the insects to hold a sort of conversatiou with each other and to communieate their desires and wants.
A strong hive of bees will contain thinty-six housand workers. Each of these, in order to be assured of the presenee of their queen, touches her every day with its antennæ. Should the queen die, or be remored, the whole eolony lesert the hive. Oin the contrary, should the queen be put into a small wire cage at the bottom of the hive, so that her subjects can touch and feed her, they are content, and the business of the hive proceeds as usual. Wasps and ants, and other insects, exereise this antennal ower of communication. If a caterpillar is placed near an ants' nest, a curious scene will often arise. A solitary ant will perhaps discover it, and eagerly attempt to clrag it away. Not being able to accomplish this, it will go up o another ant, and, by means of its autennal language, hring it to the caterpillar. Perhaps the two are unable to move it. They will then separate and loing up re-inforcements ont of their community by the same means, nutil a Orer one million rats were dromned ly the
sufficient number are collected to enable them late freshet in Cincinuati.

The Firesine 调use．


\section*{Fireside 睤iscellany．}

\section*{the cure and the peas．}

Trepe was once a cure of St．Opportune， who was very different from the conventional ideas of a priest，heing tall，thin，and delieate looking；a man with a stoop，though he was still youug，and muelh given to study．He lived in an age which has long passed away， yet ie was hehind it，for le held most auti－ quated opinions upon the obedience which is due from wives to their lusbands，and seemed to consider that what St．Paul had said upon the subject was to be taken in its strictest sense；that no allowance could be made for the changes which lad taken place in the man－ ners and customs of differeut nations，hut that all infringement of the rules laid down by the apostle for the guidance of those in the holy
state was sinful． tate was sinful．
He found his exhortations treated with un－ becoming levity，and thercupon，beeame，of ject，till，at last，he laid rather too much stress upon this one offence，to the orerlooking of others．But he did not become unpopular up－ ou this account－rather the reverse；for the
men naturally felt great respect for a pastor who pleaded their cause so eloquently，and im－ pressed upon their wives that submission to their will was their first and most solemn duty， while the women of his congregation were glad to have slight attention paid to the con－
fession of other sins of which they were ashamed，and the full rials of clerical wrath poured upon one which they had the consola－ tion of fecling assured was shared hy their en－ tire sex．
But that which rexed the good cure was the bonhomie with which some of the husbands among his parishoners summitted to the rule of their wires，and the blind infatuation whieh
caused others who were equally tame to fancy that their will was lam，and that the very wo－ men who led them hy their noses were their deroted slares．
Provoked at these facts especially，he one day addressed his congregation，after the ser－ mon，thus：＂My gardeu has been remarkably fruitful this year，especially in peas．Magnifi－ cent peas they are－the best I hare yet seen； can carry away with him to any married man
among you who can make it clear to
he is not under suljection to his wife．
Peas were valuahle，the parishoners of St ． Opportuuc were poor，and，as a rule，confident Opportuuc were poor，and，as a rule，conndent
in their marital supremaey，so that there were in their marital supremacy，so that there were
many applicants for the pri\％e．But the cure， traiued hy the duties ol the confessional， a keen hand at cross－cxamiuation，and under his home thrusts and pertiuent questions，claim after claim was upset and the candidates sent a way ahashed and disconfited．
At last came a porter，an obstinate，sturdy fellow，who was contident that he at least，had the whip－hand of his wife．The cure ques tioned him closely，but all his answers were straight－forward aud satisfactory：Eren upon the rock which had upset the pretensions of many who had seemed in a fair way to land safely，the cabaret，he did not split．No，he went to the wine shop or stopped at home，got
drunk or kept sober；just as he pleased．His drunk or kept sober，just as he
wife had not a word to say to it．
＂Well，＂said the cure，＂I am glad that have one man in my parish who knows how to morning and fetch your peas．
So the next day the porter came to the cure＇s house with a small sack，which he hegan to fill．
＇You should have brought a larger one，＇ said the cure．

TVell，now，＂replied the porter，pausing in the task，＂I should have done so，only my Ha！＂eried the me．＂
Ha．＂cried the cure，＂let my peas alone

\section*{THE DATE PALM．}

The Date Palm at an early period of history must have engaged man＇s attention in an cuni－ nent degree．It grows，to begin with，in a tract of country where atmospheric moisture of any lind is so scanty that its leaflets，unlike those of other Palms，are constructed so that thus catell every drop of moisture．It has no branches like other trees，or as the Gingerbread Palm（Hyphene thebaica），with which it is occasionally assueiated．It has sereral fea－ ion could remon with man which no explana people．ts hody is covered with hair，like the body of man；its head，once cutoff，would no more grow again than that of a human he－ ing；the male and female are represented hy different trees，and it is well kuown that the female would die an old maid unless some bachelorshould take compassion on her．Add o this that the whole population at that time elied upou dates as their staple food，as is still the case in those countries．Moreover，talse into consideration that impression produced upon an uniuaginative people，when，after
travelling for days in dry，dusty，waterless des－ travelling foz days in dry，dusty，waterless des
erts，with nothing in sight hut gray drifting sands and skeletons of animals perished on the road，they suddenly entered a grove of Date Palms，affording water，shade，fuel，food and repose．They must have been made of stern material if all this had made no lasting impression upon them．＂As they lay under the trecs and saw the crening breeze gracefully playing with the feathery leares which formed bold arehes over them，gilt by the last rays of the settiug sun，aud soon to he silvered by the made to the religious elcment of their compo－ sition，and these Palm grores must have ap－ peared to them places peculiarly suited for the purposes of worship．And such indeed was the case．Palm groves，and those of the Date in particular，were decmed peculiarly sacred． As civilization advanced，and regular temples were huilt，the architect naturally took for his type，What must crer have been associated
with his religious feeliugs－the Pulm grove．－ Gurdener＇s Chronicle．

Pictures cnder the Sea．－A Frenchman has obtained clear suhmarine photographs at a depth of three hundred feet，hy means of the electric light thrown through water－tight lens rindows upon the objects to be photographed
Mankisd have been learning for six thou－ sand years，and few have learned yet that the fellow beings are as good as themselves．

\section*{things wise and otherwise．}

Wuy do amuual fiowering plants resembl hates？Because they only come np to blow The oldest business in tle world－the nurse－ business．
Botanists are said to distinguisl dog－wood y its bark．
Mushrooms grow most rapidy in the rain sthat the reason they are umbrella slaped？ A man weigling one hundred aud fifty ounds contains only two and a half pound of perfectly dry resilluum．As the Scripture cll us that＂all flesh is grass，＂this residuun must be concentrated hay．
The Japanese，it is said，have the art of feeding turtles and other crustacea on aurum potante，or some other liquid preparation of gilded appearancc．Several of these gold tur－ tles and crabs are to be sent to the Paris Expo sition．We have our suspicious as to the y racity of this newspaper squib．
Why can persons occupied in canning fruit cause they can．

Millioxalires．－New York boasts of her millionaires，among whom the wealthiest arc ct down as follows
Wm．B．Astor is sixty－five years old：wort fity millions；a round faced，pleasant man－ nered gentleman；owns two th
ings，and is a lenient landlord．
A．T．Stewart is sixty，thin，nervous，digni fied；worth thirty millions，and liberal in cases of hencvolence which appeal to his sym－ pathies．

Commodore Vanderbilt is white haired，red hecked，seventy，worth forty millions，drive fast horse，lieeps a fast boat，controls two
fast railroad companies with fast men，and fast railroad companies with fast
August Belmont，twenty million，coarse tout，and very German．
Gcorge Opdyke，five millions，fifty，hut look ounger；au agréeable rentleman．James Gorlon Bennett，fire millious，seventy－thre ears old，dignified in manners，broad Scotel ccent，henerolent to the poor．

Derability of Timber．－In situations so free from moisture that we may practically call then dry，the durability of timber is al most uulimited．The roof of Westminister Hall is more than 450 years old．In Stirling 00 years of age．Scotch fir has heen found in good condition after a known use of 300 ears，and the trusses of the roof of the good after 1000 years of service．－The Builder，

Significant Fact．－Domestic animals that live out in the openair Winter and Sumb－ mer are freer from colds than those that live in warm stables，and men who are much ex－ perature，are less liable to colds and influenza than those who live coustantly in warm rooms
As we staud hy the sea－shore and watch the luge tides come in，we retreat，thinkiug we
will he overwhelmed；soon，however，they fow hack．So with the wares of trouble in the world；they threaten us，hut a firm resis－ fance makes them hreak at our feet．

A votomocs toper used to mourn about not having a regular pair of eyes－one being black and the other light hazel．＂It is lucky for you，＂replied his friend，＂for if your cyes had
hen matches，your nosc would hare set them on fire long ago，＂

Not less than a thousand peoplc in New York lise hy fortune telling and other sucb methods of gaining a livelihood．
＂I＇mafr．ad you＇ll come to want，＂said an old lady to a young gentloman．＂I have come to want already，＂was the reply： want your daughter．＂
5 5．Hon．Oakes Ames，with some associates， intend putting up a fertilizer manufactory at Falmouth，Mass．with a capital of onc million dollars．

The Stack－禁and HOW TO SAVE A RENNET．
Let the calf live as long as you can，at least，
Let the calf live as long as you can，at least， killed too soon，the rennet has no strength． Let the calf go without food not less than before killing．During this time keep it in clem place，where it cannot get hay，straw or other solid sulsstances to eat and foul the stom－ chr．When killed，take out the stomach，empty thing else－turn it wrong side out，and eare－ fully pick，scrape or wipe off with a cloth，all dirt or hairs，hut never rinse it．When cool， rub it thoroughly with salt，spread it on an earthern disls，aud set it in a cool dry place to cure，frequently turning it over．Or，it may he stretched on a twig，bent in the foru of a bow，or on a crotched stick，and liuns in a cool，dry place to cure．The sooner the sto－
mach dries，the better；but，remember that heat spoils it，while coll improves it．If the calf＇s stomach has a whitish appearance，it is pretty sure to be healthy．If it looks high col－ ared，red or inflamed，or has a spotted appear－ useless－for it will spoil all the renuets that may be soaked with it，and cause the mauu－ facture of a lot of poor cheese．The stomach of a weak，sickly calf should never be saved， for it is almost sure to he unhealthy．It is of should lee closely obscrved，for in no other way can prime rennets be obtained，and witl out prime renuets，it is impossible to make fine flarored，or strictly fine cheese．－C゙ica Ilerald．

Hollow Hora－Hollow Tail．－Is hollow Hil a disease，or a result of poverty？Is splitting and saltiug，or eutting off proper，or ealled the horn ail．Solon Robiuson，iu Facts or Farmers，says：－＂I cathartic of epsom salts，sulphur or linseed oil combined with ginger，is better than to mutilate the ereature． Some of the most crucl acts ever perperrated hy man lave becu the cutting and searing of sick animals，and dosing them with horrid aud hellish medicincs，Aud yet the Old School octor to treat their luman patients in the same way．It is likely that a thousand animals have been killed hy doctoring where in spite of the and theu it probably lired corn，oats，and curry combs－aud don＇t forget clean warm stahles and beds of straw．

Salt for Gapes．－Every one has had their say ahout the gapes；now let me tell you fed the young broods with corn meal dough， losing more or less with the gapes erery sea－ son．Latterly we have salted the dough，and now raise some two hundred chickens per sea－ son，without losing one from gapes or any other disease．The chickens are hr：ght，viror ons and healthy，and always commence laying early in the fall．Now we have some fort Furmers should not hesitate to adopt this plan －Brckeye，in Country Gentleman．

Hog Choferan in Illixols．－TVc learn from the Illiuois Register that the hog cholera pre－ its to a conderle extent in rious part of that State．A letter from St．Clair count says that＂although the clolera is not as fita as it was two years ago，yet it causes scrious but what loses from one to five a day from this cause．The eholera also prerails among the chickens and turkeys．＂From Fulton county a similar report ；and in other locali－ loggs，it is quite presalent．
Gabget in Cows．－Give a large tahlespoon－ ful of saltpetre as soon as you perceive any signs of garget．If that does not stop it with－ in forty－cight honrs，then give them auother dose．Some have practiced this way of curing never fuiled to cure．It should be pulrerized and given in a mess of bran or meal mash．

Thive frarm and Garten.

\section*{PLAIN TALK WITH FARMERS,-NO. 4}

In my last communication I gave the paral lel betrreen animal and vegetable life, to show and yet their autagouisms are no less singular. For instance: the vegetable produces neutral azotized substances, the animal consumes them. The vegetable deeomposes carbonic acid, wa-
ter and the ammoniacal salts, the animal proter and the ammonacal salts, the animal pro
duces all these. The vegetable disengages oxy gen, while the animal absorbs it. The vege-
table absorbs heat and electricity, while the table absorbs heat and electricity, while the
animal produces them. In the closing part of my last comurunication, I spoke of the germi nation of the seed of the vegctable. Let us now brielly consider the beautiful develop
ments connected with the siuple growth of an ments connected with the siuple growth of an
individual plant. You place an appareutly individual plant. You place an appareutly
dead grain in the soil; it is Spring. If the soil is sufficiently warm and porous, so as to give access to the oxygen of the air, it wil force begins. The seed coats burst; the upper extremity, known by botanists as the piu mule, extends itself apwards. This plumule is the young plant in miniature, and if you ex
amine it with a microscope, you can discern amine it with a microscope, you can discern
the leaves and buds, though on a very smal scale. At the same time the embryo iucrease downwards, and sends forth what is called the radicle or roct in miniature, into the earth. As the plumule rises above the earth, then the miniature leaves appear, called cotyledons, which acquire a green color as soon as they lungs, and hy them carbonic acid is conveyed downward to the root, and carried by the circulatory process in full progress in the young plant. Aud soon you may notice the impulses feeders, or spongioles, below, which gather in the sustenance the raius wash down through the soil, the plaut thrives and periorms the
functions for which it was called into being. Another curious fact dcveloped by regetable Plysiology is, tbat two plants of a different species, although they must be closely allied can produce one plant resembling both parerts called a hybrid; aud so auimals of a different
species, but closely allied, may produce off species, but closely allied, may produce off
spriug resembling both its parcuts, and blend ing in it their peculiarities. Such an anima hybrid is called a mule. The hybrid race o vegetables is frequently produced artincially by fower-gardeners. This crossing is accom-
plished by the introduction of the pollen of onc species into the ovarium of a different spe cies, although it must be nearly allied to it. This plant may flower, and again produce a fertile seed; but in the third generation, or at most at the fourth or fifth, it will invariably become barren, and its seeds will not grow to perfect plants. The same is true in regard to animals where the same crossing is attempted.
It may be confidently asserted that evcrything in the material world is not on'y subor dinate, but specially created to minister to the service of man. Vegctablcs perform two very quantity of carbonic acid gas is constantly is quantity of carbonic acid gas is constantly
suiug from man and all animals, into the at mosphere. Now this gas is very poisonous and if not removed from the air, all the higher animals would very speedily perish. Vegeta-
bles have the power of taking this carbonic acid gas from the atmosphere, and of convert ing the carbon of it, into part of then own structure. Then, while animals and plants are composed of the same elements, we shall afterwards find a great difference to exist between them as to the sources of their elcments, or their food. Vegetables can take the elements
of which they stand in need, where thesc elements are subject to chemical laws, that, is from the iucrganic world. Thus, guano and farm yard manure contain nitrogen, phospho rus, soda, limc, \&c.; and properly prepared
soil therefore contains all the elements combinations form the different structures combinations form the different structures or brought to the roots of plants, which are analo
gous to the mouths of animals, these roots can
take them in, then combiue theur, so as to form stem, leaves and flowers.
But it is quite different with animals. The canuot convert inorganic matter into their own structures. If the chemical elements of which an animal is couposed, are put iuto it mouth in an inorganic state, they may b swallowed, but they are never turued into its texture, but either poison it, or are excreted The food of animals must consist of the ele ments of which they are composed, viz. : in
state of subjection to the laws of life, and no of chemistry; or in other words, of flesb or vegetables before putrefaction. The imporant functiou which vegetables serve in con verting the inorganic matter placed on the arth's surface into a state of food for animsls thus made apparent.
The science of vegetable Physiology may, in truth, be said to reveal to him who studies it in a proper spirit, the subline aud exalted mision of the whole vegetable economy, which arth earthy, symbolizes in though of the earth earthy, symbolizes in the immutable laws
of vegetable life, the spiritual ordinance of that wich is yet to be in the great Hereafter. It, in truth, makes manifest

\section*{How Creation's soul is thrivance from decay,
nd Nature feeds on ruin; the big earth \\ ummers in rot, and harvests through the}
\(\qquad\)
It reveals how the immutable laws of vegetable nature decree that death shall proceed out of life, and life out of deatl-that the living ani mal shall draw its vitality from the dead plant and the living plant from the dead animalthat decomposition must he but the commence ment of recomposition, aud putrefaction only the symbol of renewed production. The brave apostle to the Gentiles, preaches this beautiful uth in that sublime passage, which has so ften comforted the stricken mourncr, as weep ing over the grave of his beloved, he hears
with wildy beatiug heart, that fearful miserere of the last service of the church, "Earth to earth, ashes to ashes, dust to dust." "But some will say, how are the dead raised up, and with what body do they come? Thon fool that whe."

\section*{Aprl, 1867}

\section*{liquid fianure-its value.}

\section*{Written for the Farm and Fireside,
be J. L. Hervey, tuftonboro, N. I}

It seems to be entirely overlooked by many armers that iu letting their liquid manure run off, they lose the most valuable part. In this conuection I shall take the liberty of illnstrat ing the value of liquid
from well known authors
When it is considered that with every pound of ammonia that escapes, a loss of sixty pounds of corn is sustained-and that with very pound of wine, a pound of wheat might e produced, the iudifference with which thes quid excrements are regarded is quite in comprehensible. Iu most places only th solid excrement, impregnated with liquid, is used; and in mauy instauces the dung beaps contaiuiug these are protected neither from rains nor evaporatiou. The solid excrements contaiu the unsolvable; the liquids contain al he sol vable phospates; and the latter contaiu kewise all the potash which cxisted as organi salts in the plants consnmed by the animals.
Liebig's Organic Cluemistry
Liquid manure consists in a great degree urine of various animals, which, duriug its de composition, exhales a larger quantity of ammonia tban any other species of excrement Now, all kinds of corn contaiu hydrogen,
and consequently, any mauure which yields a ready supply of ammonia matst cause a fulle development of those parts of the plants which are of the greatest use to man. Eveu the
kind of animal manure usually employed in this county, owes its efficacy, so far as it is cle pendent on the ammonia present, to the arine, rather than to the solid excrement of which it s made up; and hence becumes materially eteronated iu this respect, when the more liquid portions are allowed to drain off from

The quantity of liquid manure produced by one cow auuually, is equal to fertilizing one as durable as do solid manure; a cord of oam, saturated witb urine is equal to a corcl o the best solid dung. If the liquid and solid evacuations are kept separate; and the liquid manures soaked up by the use of loam, it ha been found that they will manure land in proportion by bulk of seven liquid to six solid, while the actual value is as two to one. Oue undred pounds of cow's urine afford twentyfive pouuds of the most powerful salts which have ever been used by farmers. The simple tatement then, in figures, of the difference in value of the solid and liquid evacuations of a cow, should impress upon all the importance of saving the last in preference to the first. Dana's Muck Manual.
Urine is always a most valuable manure No farmer should permit it to run to was but should so prepare his cattle yard by loam or swamp muck, aud by plaster, as to sav these invaluable products of his stable. the urine is commouly mixed witb the solid excrement in the baru cellar or cattle yard, it ncreases the value of this manure, it promotes ts clecay, and aclds its own salts; but if the whole is exposed to the influeuce of atmos pheric agents, it facilitates the actions, and aids in deprcciating its value, hence it is generally, wholly lost. The farmers ought to know this, and to be apprized of the fact, that Gray's Elements of Agriculure

\section*{EXPERIMENTS WITH POTATOES}

Having been requested by several of my riends and neighbors to publish in your ex eelleut jourual a list of the special manures heerfully comply with their wishes
I use as a top-dressing for potatoes, a mix Ire of fifty-six pounds of sulphate of soda, fifty-six pounds of sulphate of magnesia and ifty-six pounds of salt per acre, sown broadcast as soon as the sets are planted. My potatoes so grown have been abundant in quantity and excellent in quality, aud have almost entirely escaped the potato disease.
I have also found muriate of potash an excelleut manure for potatoes, sowu iu the dirill at the rate of two bundred pounds per acre. I speak of these as a top dressing; the best manure to plough in before planting, is well otted stable dung. Tbe followiug manure will be found to produce good crops of potatoes: Salt, two hundred pouuds, muriate f potasb, muriate of ammonia and phosphate f lime, one hundred pounds each; spread evenly orer the surface, and ploughed in. stout rood haulm, and the p!ants retain their foliage longer than when stable manure is employed. With this mixture aloue, potatoes have been grown at the rate of three hundred ushcls per acre.
experimenteli.
Valley Falls, R. I., April 2, 1867.
The Grain Trade of England.-A Iong while ago Great Britain raised enough grain for her own consumption and had also an excess to export. Afterwards, however, the ecessity for importing graiu became appar cnt , and in the five years ending with 1835, the imports of grain cxcceded the exports by an annual average of 871,110 quarters of 28 radually iuse was \(16,241,122\) quarters. Great Britain now is dependent upon foreign nations for a large portion of her supply of grain.

Three pairs of cattle, fattened by Roswell Hubbard of Hatfield, were sold in the Cambridge market, Wednesday, for nearly \(\$ 1800\). The largest ox lacked but 90 pouuds of 3000 , and the pairs weighed, each, 5705,2100 and 4790 pounds. They were the finest cattle in passed by any received this seasou.

Hon. Audrew. D. White of Syracuse, has
been chosen President of the New York Agri-
cultural College, known as Cornell University.

TYue 脽arse.
EPIZOOTIC AMONG HORSES IN NEW JERSEX Editors of the Farm and Fireside
A FEW years ago the farmers of Massachusetts were terribly frightened by the "cattle disease," and now the farmers of New Jersey are greatly alarmed by a "cattle epidemic"although the latter seems to attack horses only. Why is it that this disease is not properly classed and its right naıne given? Simply from three causes: first, farmers are not sufficiently posted in regard to diseases of their stock; secoud, the cattle doctors are not always acquainted with the disease, and some of them would rather mystify than enlighten us; third, the publishers of cheap veterinary books issue them without regard to their reliability or character, thus injuring the scientific veterinafrieuds.
So much then, by way of preface, before Epidemic ""Epidemic "-epi, upon, and demo, the people: a disease upon the people! Such is not the case, for the people of that State are not so afflictcd. But an epizootie disease has at tacked their horses, etc. From the symptoms, as detailed in the New York daily journals of the 25th ult., by Mr. G. W. Stille, it must be the disease meutioned and named by Dr. Robbet McClure, in his "Diseases in the Ameri can Stable, Field and Barn-Yard," Said disease is spoken of on pages \(88,89,90\) \& 91 , aud is there called "Gastritis Mucosa." We make a few extracts in relation to it :
Gastritis Mucosa is a disease very common n the Spring of the year, assuming always an epizootic form, and is closely allied to the epizootic catarrh, sometimes called typhoid influcuza. The one disease attacks the lining membrane of the windpipe, the other, the mucous membrane of the stomach aud bowels, or in other words, the digestive organs, more than the respiratory. Gastritis Mucosa is a fatal disease, if treated by low diet, bleeding, blistering and physicking, bccause it always as snmes a low standard of vitality, or. great
weakness. Hence the horse so affected, and so treated, has no chance for his life whatever
Symptoms. -The horse has no cough and the breathing is not disturbed. The breatl and month are not hot nor dry; bnt often the montb is so slimy as to look as if the horse was salivated. The legs soon swell, or become rounded, or filled, as they are often called. The swellings are not inflammatory nor painful: they contain lymph or plastic matter from the blood, which disappear as they came, when the strength of the horse gets up again, and the disease subsides. Tbe appetite is entirely suspeuded from the commencement of the dism

Treatment.-The first day of the disease give, of aconite root twenty drops of the tincture gire the tiucture of nux vomica in fifteen drops, every four hours till the horse is well, which will be about the sixth or scyenth day, and sometiunes sooner. If, however, he does not improve, and his appetite become restored, give powdered carbonate of ammonia and gentian root, three drachms of each to a dose, morning, noon and night, in addition to the tincture of nux vomica. These medicines are mixed with cold water, and administered by drenchiug. Let the horse have as much cold water to drink as he vants. Green, or soft feed, should be given from the first day, if the horse will eat it. Pure air and good ventila tion should be insured to all sick horses.

Dupyten.
Number of Mllcit Cows.-The number of milch cows in the whole United States, from 1790 to 1860 , has remained a coustant number, beiug 27 cows to 100 inhabitants. The proportion of cows in the older States, accordiug to the population, is constantly decreasing, while the western and new States keep up an excess of the proportioual number. Massachusetts has 12 cows to the 100 inhabitants. Oregon has 101, or more than one cow to eacl person. These facts go to show that the dairy
busiuess is not likely to be overdone.

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AND S. S. FOSS, EDITORS.
SATURDAY, APRII 6, 1867 .

\section*{}

\section*{OUR CURRENCY.}

No elass of our citizens are exempt from the evils of an inflated and an inconvertible cnrrency; and the depression of business now ex paused, partially, by the inflation of paper money. We shall not speak of the origin, nor of the necessity of the Governurent to issue the present kind of currency. Its issue was inde fensible, except as a public necessity. The ex tent of that necessity was the inordinate demands of war' ; and now that strife and bloodshed have terminated, we see no reasonable justification for coutinuing or perpetuating a cinrency that destroys the laws of valne, that currency that destroys the laws of valne, that
deranges business, that cripples and paralyzes deranges business, that chat
every branch of industry.
The Thirty-Ninth Congress evaded this great finaneial question-the most important that came before it. It spent and misspent mueh valuable time on political questions and partisan propositions, bnt ignored a subject vital to
national prosperity and progress. Iutlation had more fricnds in that body than contractiou, or the gradnal return to specie payment. We regret this, because all chasses, all parties, and all iudustrial pursuits are interested in matters of eurrency ; and, in our opinion, it was the imperative duty of Congress to assist in immeuse volnme of paper money.
We wonld not ask a sudden contraction, for that would probably injure some classes, and might also prove disastrous to certain kinds of industry. But we are quite positive that continuance of our present currency would be a perpetnal injury, a permaneut distmrbanee of
the great law of value, an equivalent to general ruin and bankruptcy by and by. To carry along, indefinitely; our burden of paper money; or to keep it afloat ten years, would guarantee a decade of stagnation, would perperuate the present nnreasonable prices, and make speenlators and gamblers grow fat. We cannot car ry so terrible a load of inconvertible pape moncy without prolonging our own misery;
nor cau we continue this exhaustive drain npon nor ean we continue this exhaustive drain upon
onr unanifold industry without great peril to the Nation itself.
Our agricultural popnlation works harder to earn a collar than the mechanicat, the commer cial, or the professional classes. The hard, callonsed hand, the browu, weather-beaten
face, the bent and erooked back, all testify to this truth. While other classes make bondred and thonsands of dollars by skill, cunning o specilatiou, the taruner curnshis solitary dollar by the sweat of his brow and the streugth of his sinews. Besides, the products of his toil, and the farm on which he spends his strength and manhood, are the last to be benefited by
inflation. The product of his industry is comparatively small, and the rise on his real estate never approximates to that on the goods and wares of the merchant or manufacturer. For
this reason farmers are the least interested in au inflated cmrrency. A fixed, permanent representative of value, in the shape of money either gold or siver, or a currency exchange able for then at equal rates, is what our a
cultural friends need, and should demand.

Abandonment of the Cental System. The Boards of Trade ol St. Louis, Buffalo, Toledo and Cleveland, have voted to drop the cental system of measuring graiu, and retnmn
to the old mothod. It is hinted that the true secret of the desire to get back to the bushel is the fict that the cental is too much in the interest of honest dealers and consumers. Wc merits and demerits of the system have been jnstly decided upon. It is true that the new system is hard to understand, bnt time wonld
remedy that, and dealers in grain are not sup)posed to be more obtnse than other people.

\section*{an active month}

Arme is a busy month-the season of sow ing and planting the hardier seeds and vegeta bles in the Middle States; and also in the New England States, on vaturally dry or thoroughly draiued soils. Of eourse, we expect some rough, windy weather and eool nights, with perhaps an oecasional slight frost. But the season is now advanced sufliciently foy grarden and farm work; and we would impress on our planting - provided the season is not quasualiy backward, or the land too wet.
Sowing oats, Spring wheat and other seeds, shonld be attended to at once; then the work in the garden, nursery and orehard will follow. The farmer and gardener should keep in mind the first principles of cnltivation-a thoroughly drained soil; perfect pulverization in plough ing and harrowing; an equal intermisture o mannres or fertilizers with the surface soil These are essential to success. All soils, intended for field or garden crops, should be ploughed twiee (the last time cross-wise), and then harrowed. This will put land in good condition. Next manure liberally; don't be miscrly with your land, or it will retaliate in short crops. Land in fine tilth, and generously manured, cannot fail to return remuncrative crops, provided the after culture is thorough and correct.
Attend to the garden. People generally, and farmers especially, neglect their esculent garden; bnt it is of great value to a family, and is half of its support at certain seasons of the year. Asparagus beds require early care manure should be dug or forked in, and all the decayed vegetation raked off. A shower old brine, or salt water, will hely it, for it is a species of marine plant, and likes an oceanlike stinmlant. Rlubarb beds, also want atraking off rubbish. Put ont onion sets immediately, also sow seed. They will stand cool weather, and if the soil is dry, the earlier set out, or planted, the better. Lettuce may be transplanted from the lot-bed to the open garden at once. It will grow, eren it the
season is backward; and a dish of lettuce elishes well, besides being conducive health.
Not much progress can be made in ornamental gardening, thus early ; although ornamental trees may be trimmed, shrubbery cropped, and walks and boiders repaired. Flower beds can be prepared, ready for warmer days.
Of field crops, not much can be advised before the middle or last of the month. It is impossible to tell when is the proper time, to a day or week, to plant field crops. Latitude does not always setlle this mattcr; yct there is
a difference of two or three weeks, in vegetation, between the New Eugland and the Midde States. However, sow your seeds and plant your fields as early as the season and the soil will admit. After an experience of five-andwenty ye
piauting.

The Cattle Plague. - An eminent lecture clates the history of the disease from the fourth centary to the nineteenth, showiug that it arises in the steppes of Russia; that thence it spreads westward, through Poland, Moldavia,
Holland, and by importation into England; that Holland, and by importation into England; that seized living beings; that where it arises, ninety per cent. of the cattle affected with it die; that in somc cases the collections of cattle all die, and that there is no cure for it; bat that its prevention and arrest can be accomplished by the use of carbonic acid, a white crystalline solid recently discovered.
Tie Amerroan Journal of Homtheulture or April has been received. It contains more than sixty original articles, a few of which are illustrated, and all of them concise, scasomable and practical. Its typograpinical appearance is fautless, while the paper upon which it is rinted is of the best quality. It is published by J. E. Tiltos \& Co., Boston, at three dolars per annum.
Mr. Jonn Demoz, of Pomfret, Connecticut, informs ns that on the 16 th of February last, a Sonth Down Ewe belonging to him, clropped a lamb that weighed eleren ponnds.

THE CROP PROSPECTS IN THE SOUTH AKD WEST.
A correspiondent of the Selman Times speaks encouragingly of the prospeets for a crop in entral Alabama. The phaters have their land all bedded up and in condito
,w receive the eotton seed when the time
\[
\begin{aligned}
& \text { so, to reeeive the eotton seed when the time } \\
& \text { eomes. The rains had caused a temporary }
\end{aligned}
\] suspension in corn planting. It is feared at Iruntsville that the receut frosts have injured the fruit erop of Northern Alabama very seriously, as peaches, plums, \&e., were in full bloom.
In Norlh Carolina all the carly peaches, apricots, dec, are believed to le killed by the
cold. More than the average breadth of wheat has been sown, and its appearance is quite omising.
The people in the Western aud Northern portion of Texas are makiug extensive pre parations for farming, and ar
Maryland farmers are hopeful, as the eather wise in that State have notieed that when a heavy fall of snow oceurred about the time of the full moon in Febrnary, large erops and an abundance of everything were sure. to
follow.
The Orange crop in Florida promises far to surpass the yields of former years. The largest
groves near St. Augnstine will bear nearly one hundred and fifty thonsand oranges each.
The editor of the Dayton (Ohio) Journal says that a frnit-grower who returned home on
Friday frcm a journey througla portions o Miami, Clarke and Greene counties, states that wherever he had an opportunity he examiuct ths fruit buds, and fonnd them sound in the proportion of at least eight ont of ten.

The Cineinuati Gazette says all anxiety about the wheat erop may now be dismissed, as that erop is in good condition and doiug vell. A Lonisville paper says not only in Kentucky, but in Tennessee also, the • Wheat
crop is more extensive than is usually secn, and promises an abundant yield. The Illinois State Journal learns that the wheat in Sanga mon and adjoining counties looks finely, better than during the corresponding season for several years past. The winter and spriug farmers are expecting a large crop.
The Carbondale (IIl.) New Era reports the prospect of a good peach crop in the Sonthern portion of the State as encouragiug.
The Learenworth Times says that the great now storms will retard the crops in Kausas.

Edrope, we must acknowledge, is far allead of this country in its endeavors to produce and maintain a system of rational and intelligent agriculture. Germany is taking the lead, and
has established what are called agricultural Stations, comprising an experimental garden and a complete analytical laboratory. The chemist, provided with assistants, institutes, o the spot, sucle experiments, and tests snel the as wonld seem most prolitic with benefits as wonld seem most proline anth bencifs
the farming community. To instruct the far mer as to the difference between robliug and tilling the land, to teach him to understand and take a lively interest in the practical experibeen appointed, connected with these agricul tural Stations, whose ollice it is to impart use ful knowledge to the masses by lectures and ally be prepared to receive and profit by the rich stores of seience open to every intelligen farmer.
Our conntry is so extensive and onr farms
are so large, which facts, are so large, which facts, together with the
comparative sparseness of the popmatation, render such institutions unnecessary for the present. When one field is exbansted our tirmers rely npou another, and the crops find as yet, so much natural sustenance in the soil, as a general thing, that artificial aids are unt extensively resorted to. The time will come thongh, when farming will be carried on only on intelligent
and scientific principles; donble the crops be raised on a given area, and infinitely better in quality. Then surely the "days of specie"
the peach tree borer.
In exchange warmly advocates the budding of the peach on the plum stock, as a safe in this; neither in the supposition that this process adds to the hardness of the fruit buds. The borer has been known to attack the plum stock, and may attack the peach above the lace of union. Dirat peact trees may be rodnced by budding on the diminutive mirabelle; but the practice of working the peach on the plum is not fiworably regarded by emiMr. Thomas, in his Ameriean Fruit Culturist," says that the Peach-worm or grub, uever far iuto the wood), just below the surface of the ground. The nectarine and apricot are also subject to its attacks. Its presence is indicated by the exudation of gum at the root, mixed with excrementitions matter rescombling sawdust. It is very casily destroyed by serap-
iug away the earth at the foot of the trnuk, and following the worm to the end of its hole vith a knife, beneath the thin shell of bark, The perfect insect of the peach worm is a on-winged moth, resembling a was 1 , in form, but totally clistiuct, and in its character and habits closely allied to the butterlly and miller. It deposits from carly in Summer cill Autnmn, at the foot of the tree, its exceedingly minute, whitish eggs, which soon hatch, and the on they cucase themselves in a sawdust-like ocoon, in their holes noder the bark; and emerging as perfeet insects, lay their (egs and perish. Mr. Thomas says that the perfect inwatchivg the pupa develope under a glass ganze case
To exelnde the inseet we recommend heap. ng air-slacked lime, wood or coal ashes, or main until Autumn. It is said that to encase he foot of the tree, during the Summer, in stout oiled or painted paper, effectnally prereuts the deposit of eggs in the bark. To and impres inate it with snlphur is alsure in it ing no natural or scientific probabilities to support it. After the grub is once domieiled, here is no way so eflectual as the slow proess of direct extermination. Capture the sumpary ver bark encasements and visit Spring and carly in Summer put your trecs nder careful surveillance. In extensive peach rchards this may be tedions and laborious, ill accomp tenacious discharge of the duty

The Sclexice of Entomology is beginning to e appreciated; and the men who used to be considered natural born fools (though fortnbecause they spent theil' time searching in roten stmmps and quagmires for bugs, are now
estecmed for their devotion to science, and have more flatteriug epithets applied to then:There is a great deal of utility in the researches have been more of late years their attentions faseets as are supposed to be injurious to trees; urist to a great exteut by their investigations. To learn to distingnish noxious insects, and lepredatious, is cortainly a matter livit their jg attention to. Sometimes insects which the armer supposes to be injurious, are just the reonnd that they are an army of scaveuger:s, defruits and erops. Not a few farmers are preate ical entomologists; what we mean by that is, hey lunow whieh inscets tre to be regarded with faror andi which with suspicion. They call attention to an illustrated entomological article on our fourth page. and would be

Fresir herring are abundant in the Norfolk market at twenty-five cents per dozen.


\section*{Hfresine wale.}

\section*{THE Mintster of montclatr.}

It was no use ; the letters daneed before his uncertaiu, in those days. Ife laid his book down, and began to think of the great trouble which was shutting him iu. When the black specks first began to dance between him and his paper, months ago, he had not thought about the matter. It was annoying, to he sure, but he mnst have taxed his eyes too
severely. He would work a little less hy lamplight-spare them awhile-and he should be all right. So he had spared them more and more, and yet the black specks kept up their elfin dance ; and now for weeks the conhe was going to be blind. He had not told he was going to be blind. He had not told
his wife yet-how conld he bear to lay on lee shoulders the burden of his anffnl calamity 0 , it was too hard

And yet rous it too hart? Dared he say so? he, God's minister - who had told other sufferers so many times that their chastenings were dealt out to them by a Father's hand, and that they shonld count all that brought them nearer to Him as joyons, not grievous?
Yet speaking after the manner of this word, his burden seemed greater than he could bear. What could he do-a blind, helpless man He must give up his work in life-let another take his mimistry-sit helpless in the darkness Heaven only knew for how loug. Could he be resigned?
Then, suddenly, a flask of hope kindled his sky. There might he help for him. This gathering darkness might be something whieh science eonld remore. He wolld be sure of
that, at least, before he toil Mary. And then he beeame feverishly impatient. He must know at once, it seemed to him-he conld not wait. He called his wife, and told her, with a manner which he tried hard to make calm, that he was going ont of town the next morn ing on a little business. She wondered that he was so uncommunicative--it was not like
him-but she would not trouble him with auy questions. She should understand it all some time, she knew-still she thought there wa something strange in his way of speaking.
The minister strove hard for the mastery of his own spirit, as the cars whirled him along next morning towards the trimnal at whiel
he was to receive his sentence. He tried he was to receive his sentence. He tried to
think of something else, hut found the effort vain; so he said, over and over, as simply as a child, one form of words:
"Father, whichever way it turns, O give m strength to hear it."
Holding fast to this prayer, as to an anchor, he got out of the cars and weut into the streets. What a eurions mist seemed to surround all things! The houses looked like a spectral through it-the people he met seemed like ghosts. He had not realized his defective vision so much at home, where it had come on him gradually-and all objects were so familiar. Still, with an effort, he could read the signs on the street corners, and fiud his way.
He reaehed, at last, the residence of the distinguished oculist for whose verdict he had come. He found the parlor half filled with people, waitiug like himself. He was asked for his name, and sent in a card ou which was writteu, "Rer. William Spencer, Montclair." Then he waited his turn. He dared not think how long the time was, or what suspeuse he
was in. He just kept his simple child's prayer was in. He just kept his simple child's pr
in his heart, and steadied limself with it.
The time came for him, at last, and he followed the boy who summoned him iuto a little room shaded with greeu, with green furniture, and on a table a vase of flowers. The stillness, aud the cool, scented air refreshed him. He saw dimly, as he saw everythiug that morning, a tall, slight man, with kind face and quiet manners, who addressed him by name, invited him to sit down, and then inquired finto his symptoms with such taet and sympathy that he feit as if he were talking with a friend. At last the doctor asked him to take a seat by the wiudnow and have his eyes examined. His heart beat chokingly, and he whispered, under his hreath,-
"Thy will, O God, he done; only give me strengtli."
Dr. Gordon was silent for a moment or two
it seemed ages to Mr. Spencer. Then he said, with the tenderest, and saddest voice, as
he felt to the uttermost all the pain he was inhe felt to
flictiug,

I I cannot give you any hope. The malady is incurable. You will not lose your sight en tirely, just yet ; but it must come.
The minister tried to ask how long it would he before he should be blind; but his tongue seemed to eleave to the roof of his mouth, anil he could only gasp.
Dr., Gordon understood; and answered, kincly, that it might be a month, possibly two. He stood up, tineu, to go. He knew all hope was over. He paid his fee and went out of the room-out of the house. It seemed to
him thiugs had grown darker since he went in. He hardly knew how he fonnd his way to th cars. It was tivo hours past his clinner time, and he was faiut for lack of food, but he did not know i.: He got to the station somehow, and waited till it was time for the train to start for Montclair. All the way home he kept whispering over' to himself-"One mouth, possibly two,"-as if it were a lesson on the gettiug hy heart of which his life depended. He heard the conductor call out "Montclair," at last, and got out of the cars mechanicaily. His wife stood there waiting for him. She fad been auxious abont him all day
" 0 William!" she cried, and then she sav his face and stopped. There was a look on i1 for-a white, fixed look, that chilled her. She took his arm, and they walked on silently, through the snmmer aftcrnoon. When they reached home, and she had taken off her bonet, he spoke at last :-
- Mary, come here and let me look at yoi I want to learn your face by heart.
She came and knelt by him, while he took er cheeks hetween his hands, and studied every lineament.

Are yon going amay?" she asked, after a while, for his fixed, silent, mysterious gaze began to torture her.
'Yes, I am going-into the dark."
To die?" she gasped.
'Yes, to die to everything that makes np a nau's life in this world," he answered, bitterly. "Mary, I am going blind. Think what that neans. After a few weeks more, I shall never see you again or our children, or this dear, beautiful world where we have lived and
loved eael other. The whole creation only an
empty sound forever more! O God! how can I bear it?"
"Is there no hope?" she asked, with a curious calmness, at which she herself was amazed.
' None. It was my errand to town to-day o find out. I have felt it coming on for months, hut I hoped against hope, aud nowI know. O Mary, to sit in the darkness uutil my death-day, striving for a sight of your dear faces! It is too hitter; and yet what am I saying? Shall my Father not choose His own way to bring me to the light of Heaven? I must say, I will say, His will be done."
Just then the children came runniug inboyish, romping Will; shy, yet merry little May.

Hush, dears," the mother said, softly, "papa is tired. You had better run out again." "No, Mary, let them stay," Mr. Speneer interposed, and then he said, so low that his wife's ears just caught the whisper-"I cannot see them too much in this little whilehis little while."
O how the days went on after that! Every day the world looked dimmer to the minister's darkened eyes. He spent almost all his time trying to fix the things he loved in his memory It was pitiful to see him going round over each well-kuown, well-loved scene-noting anxiously just how those tree-boughs stood out against the sky, or that hill climhed towards the sunset. He studied every little lower, every fern the children gathered; for all creation seemed to take for him a new beauty and worth. Most of all he stuctied the
dear home faces. His wife grew used to the dear home faces. His wife grew used to the
dim, wistful eyes following her so constantly; but the children wondered why papa liked so well to keep them in sight-why he did not read or study any more.
There came a time at last-one Suuday morniug-when the hrilliant summer sumshine dawned for him in vain.
"Is it a hright day, dear?" he asked, hearing his wife moring ahout the room.
"Very bright, William."
"Open 'the bliuds, please, and let the sun rac in ai hiose east windorvs.
Mary Speneer's heart stood still within her, but she eommanded her voice, and answered, steadily-
"They are open, William. The whole roon is full of light."
"Mary, I cannot see it-the time has come -I an alone in the darkness."
"Not alone, my love," she cried, in a pas sion of grief, and pity, and tenderness. Then she went and sat down beside him on the bed, and drew his head to her bosom, and comforted him, just as she was wont to eomfort her children. Aftcr a time her tender caresses, her soothing toues, seemed to have healed a
little his brnised, tortured heart. He lifted up his head and kissed her-his first kiss from ont the darkness in which he must abide-and then he sent her a way. I think cvery soul, standing face to face with an untried calamity, ongs to be for a space alone with its God.
Three hours after that the church-bells rang, and, as usnal, the minister and his wife walked ont of their dwelling-as nsual, save that uow he leaned upon her arm. In that hour of do she left him at the foot of the pulpit stairs, and went back to her own pew in front. He groped np the stairs; and then risiug in his place, he spoke to the wondering congregation:
"Brethren, I stand before you as one on whom the Father's hand has fallen heavily. am blind. I shall never see you again in this world--you, my children-for whose souls I have striven so long, I have looked my last on yonr kind, familiar faces on this earth-see to it that I miss none of you when my eyes are
nnsealed again in heaven. Grant, 0 Father, that of these whom Thou hast given me I may lose none."
There was not a tearless face among those which were lifted toward him, as he stood there, with his sightless eyes raised to heaven, his hands outstretched, as if to bring down ou them the blessing for which he prayed. Some of the women sobbed audibly, but the
was calm. After a moment he said :

My brethren, as far as is possible, the services will proceed as usual."
Then, in a clear voice, in which there scemed to his listencrs' ears some unearthly sweetness, he recited the one hundred and thirteenth psalm, commencing-

Out of the deep have I called unto Thee, O Lord; Lord, hear my voice.
Afterwards he gave ont the first line of a hymn, which the congregation sang. Then he prayed, and some said who heard him that the eyes closed on earth were surely beholding the beautifnl vision, for he spoke as a son heloved, whose very soul was full of the glory of the Father's presence.
The sermon which followed was such an one as they had never hefore heard from his lips. There was in it a power, a fervor, a tenderuess which no words of mine can describe. It was the testimony of a living witness, who has found the Lord a very pleasant help in the time of trouble.
When all was over, and he eame down the pulpit stairs, his wife stood again at the foot, and he took her arm and went out silently. He seemed to the waiting congregation as one set apart and conseerated by the anointing of a special sorrow, aud they dared not break the holy silence round him with common speech.
The next afternoon a committee from the church went to the parsonage. Mrs. Spencer saw them coming, and told her husband.
"It must be," he said, " to ask my advice in the choice of my successor."
"I think they might have waited one day," slie cried, with a woman's passionate impatience at any seeming forgetfulness of the claims given him by his years of faithful service.
The delegatiou had reaehed the door by that time, and the minister did not answer her. She waited on the men into the study, and left them there ; going abont her usual task with a heari full of bitterness. It was natural, perhaps, that they should not want a blind minister, but to tell him so now, to make the ver first pang of his sorrow sharper by theí thanklessness, it was too much.
An hour passed before they went away, and then she heard her husband's voiee ealling her, aud went into the study, prepared to sympathize with his sorrow. She found him sitting where she had left him, with such a look of joy, and peace, and thankfulness npon his face as she had never expected to see it wear agaiu. "Mary," he said, "there are some kind hearts in this world. My parish want me to stay with them, and insist' on
salary a hnndred dollars a year."
"Want you to stay with them?" she cried, hardly understanding his words.
"Yes, I told them that I conld not do them justice, hut they would not listen; they believe that my very affliction will give me new power over the hearts of men; that I can do as much good as ever. They would not wait a day, you see, lest we should be anxious about our future."
"And I thought they were comiug, iu indecent haste, to give yon notice to go," Mrs. judged them! Shall I never learn Christian charity?
So it was settled that the minister of Mountclair should abide with his people.
For three years more his persuasive voice called them to choose the better way; and then his own summons came to go ap higher. In those three years he lad sown more seed and reaped more harrests than some men in long life-time. He did his work faithfully, and was ready when the hour came for him to go home. Jnst at the last, when those who oved him best stood weeping round his bedIide, they caught upon his face the radiance of light not of this world. - He put ont his hands with a glad cry-
"I see, I see! Out of the dark, into the light!"
And before they could look with awe and onder into each other's eyes, the glory had egnn to fade, the ontstretched hands fell eavily and they knew that the blind minister was goue, "past night, past day," "
him there would be no more darkness.

\section*{Ster \\ The Framm,}

THE WAGES OF FARM LABOR
Writuen for be Farm and Fircside,
by alex. hyde, lee, mass.ionusetis.
We hear it often asserted by farmers that wages are so high they cannot afforl to hire labor, and so the furm is neglected, except so far as the proprictor and his family can worl it. This, it secms to us, is a "penny wise and
pound foolisll" poliey. Truc, wages are high, pound foolish" poliey. True, wages are high,
bnt are they comparatively as high as prodnce: bnt are they comparatively as high as prodnce
IIon. D. A. Wells, Cammissioner of the rev enue, estimates the inerease of wages of all employes, including farm laborers, since 1860 , to be fifty per cent., while prices at wholesale in the same time have risen eighty-five per cent. At retail, the priec of the necessaries of lifi mnst have doubled in the same time. This
estimate is doubless an approximation to the trnth, and shows eonclusively that the farmen who is unwilling to hire labor :at an advance of 50 per cent., while his produce sells at an adrance of 100 per cent., does not understand 13 calcenlating profit and loss. The faet is, the farming interest is at high tide, and the dis ecrning and enterprising farmers see ii, and put forth their energies and pusih the capabilities of the soil to their utmost extent. "There is a tide in the affairs of men, whiels taken at the turn, leads on to fortune." The shoit-sighted, looking at present outlays, and lieedless o future returns, neglect the gollen opportunity aud ciller remain stationary, or lose gronnc while their more enterprising neighlors ar waftel far in the advance

If any one has reason to eomplain, it is the laborer. Lubor never appreciates till alter tho products of lakor appreciate. The presen doubticess dac in a measure to our redundan currence, and many lave deferred all works o improveneat till prices should reecle, by return to a specie basis. The inflation of price tween moll mond papen, as is manifest from the face that pries have not reecled as paper hat come nearer to a par with gold. Whocver e. amines the prices current in this country fo the last hall century, will find a gradual bu lluenthations, and some ebling as well as flow ing; but on the whole, there has been an ad rance. We well remember when beef, pork, averaye of years, for less than half what the have C

The discoveries of the precions metals
Australia and Calitomia have stimulated pro duction in. all parts of the world. Prices of
farnu labor have doublect in England as well as in America, and there the currecey has mained on a specie basis. The Englishman who formerly received a slinlling, or one and six. penee for his day's work, now receives two and tiree shillings. Even sleepy Inclia lias felt the impulse, and labor in that distant and laz country has been stimulated to increased exer-
tion lyy inereased pay: Here let ns say, that it is a great blessing to a country when its labor is amply remuncrated. Tue United States aro farored in this respeet above all other nations Americ:a is the partadise of laborers, aud they know it, and corsequently have flocked here from all parts of the eartih. We may talk in our Fonth of July orations about Liberty attracting the foresgn emigrant to our shore. This sounds well, but if the rewards of labor lat not been greater here than in other countries, we fear our population would have been mnch less than it is. Our rapid increase in population and the equally rapid development of onr resources, are more due to the high rates of wages than is grenerally sppposed. What a stampecle was made for California when it was announced that a laboring man could there earn ten dollars a day. We hope the time is far distant when labor will reccive less remuneration here than it does now, and those farmers who are waiting for wages to fall before they commence fatm improvements, may have to wait longer than they calculate.
There is no prospect of our paper currency being rapidly reducel. The mighty West is opposed to any reduetion. New England gocs
for a gradual contraction, but the balance of power in our Govermment is under Western inlluence. Showld our currency be reduced, it loes not necessarily follow that wages will decrease. We therefore advise all farmers who have improvements to make, not to delay for a more ceonomical time. When that economical time comes, money will probably be as searce as labor is plenty. We wish we could say something to disabuse the sentiment, far too mor an, that there is any antagonism betree loyer apital. The interests of the em feel this cardinal truth, and act accordingly. In making contracts for labor, it is supposed hat both parties are benefited. The employer wants intelligent and faithfnl labor, and the emyloyed wants a just compensation for his crvices. They are partners, mutually bene fiting each other, and any attempt on the part of the capitalist to grind the face of the poor haorer, or any want of faithfulness on the part of the employed, is a vauuting selfishness, ure to o'erleap itself. The hired man slould hentify himself with his cmployer, aud trork with the same fitelity as thongh working for himself. In no other way ean he heje to rise the position of a contractor. "He that aithonl in the least will be fatitiful also in On the other hand, the employer needs to fect a fatherly interest in his worlimen, should tudy their comfort, and furnish every facility or their intellectual and moral adrancement. In thus promoting their interests, his own-will most eilectualy be promoted. We are rejouse athe gat on the ciestion of the any faith in "strikes" or legislative enact anents, to regnlate these matters; but the disetter understandiag of the unity of interest between capital and labor. When public opinion becomes enlightened, tite honis of abor will beome adjusted to our plysica just rewarl without the interference of egislative powe
Aprï, 186ĩ.



 with the 1
England.



\section*{WEERLY REVIEW OF THE NEW YORK}

marriages.



In Xorth Alle boro, 20th ult., Mr. O. C. Turner to hatle ,







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相assachusetts Great American Tea Company

THE MMEXSE PROFITS
TEATRADE


The Tratm and Wireside．


Gronp of Eggs．

\section*{特atural Wistary}

OBSERVATION，AND WHAT MAY BE EARNED FRONI IT．

\section*{BY．J．STAUFFER，LANCASTER，P}

A distinguished writer says：－＂All the works of our Creator are great，and worthy of our attention and investigation ；the lowest in the scale as well as the highest；the most mi－ nute and feeble as well as those that exceed in magnitude and mignt．＂Nor ougbt those whose inclination or genius leads them to one department，to say to those who prefer another place，by diffusing the knowled of his ob servations，adds to the common stock of previ－ ous discoveries，contributes to promote the good of others，and seience generally．In conformity with this sentiment，I will proceed to notice my observations，in their time and order，as they were made and noted down．
In the latter part of May，186t，I observed a group or eireular patch about an inch in di－ ameter；of small cylindrical cells，closcly packed，similar to a houey comh；these were attached to the side of a lath supporting a grape viue．Ou iuspection with a magnifying glass，I noticed that each eell was contraeted at the outer end，with a somewhat dished（Gr convex）eulargement，with radiating lines，bke a small sack tied up．I then bad no idea what insect brood was hatehing，but suffered tbem to remain for further observation．On the 6 th of June，I noticed a group of minute insects， like small auts，perhaps eighty in uumber， around the group of eggs hefore noticed（o which I counted 120）．Most all of them were
now open，and the young fry were huddled now open，and the youns．My previous knowl edge of eutomology enabled me to recognize that they were the pupe of some species of Hemiptera heteroptera，some of which，like the common squash bug，chinch－bug，and the like， are woll known as depredators on the labors o the gardener and farmer．On inspection，I observed that they elevated their abdomen， which from a light yellow soon turned into a deep orange color，as also the last joint of their antenne ；otherw
tborax were jet black．
Desiriug to study their habits，I suffered them to remain；they continned on the spot that gave them birth．I noticed，also，that they became less in number from day to day，as they increased in size，with quite a number of catcasses of their eompanions adhering to the do they feed upon？why remain stationary？ On close inspection I noticed them sparring witb their autennæ like fencing masters，kiek ing out their hind legs，as some others put out feelers to observe the position；in short， found them all eager，without respect to eon－ dition，to guard against，and to take the ad vantage of，one another．And as soon as， either by fair or foul play，one succeeded to implant the harpoon，concealed in his proboscis into the abdomen of one of his fellows，all kicking and struggling would fail to dislodge the antaronist until the juices were fairly sucked out of its victim，and notbing but skinny carcass left．I noticed that while one

Mature Female
Mature Female．
Thorax and Proboscis
was regaling himself on his unfortunate fellow， anotber，taking advantage of his unguarded position，would stealthily come up behind him，and manenver adroitly to overcome the vigilance of the conqueror，who would now raise up one leg and extend it on this side and then on the other，to guard his rear ；or turn to the other side，which would expose him to the attack of some other equally greedy villain． It frequently happened that while one was
regaling himself on one of his mates，anotber companion was treating himself on the juices \(r^{\circ}\) product of both．
Thus their numbers decreased day after day and the survivors fattened on the juices extract－ ed from the carcasses of their own brood；as skillful and vigilant，and it was truly aumsing， and a lesson of patience and tact for a geueraí， to see their wary approaenes，the contiunal activity with their feet and antenne，their cautious and circumspect movements．I saw three oecasionally engaged in a triangular fight，each intent to make the lueky or fatal plunge into the fat，inflated ahdomen of its fellow．By the 20th of Juue，there were only bout ten survivors；these were remote from ach other；becoming disgusted with the un vailing maneuvers to entrap each other；they began to disperse to seek less eautious game， such as aphids，flies and smaller insects that iufest regetation．When fully matured，they are of large size，one to onc and a balf inches long，and no one can fail to reeognize the fe male，with a thin eircular crest，raised verti ally in a longitudinal central position ou the horax，regularly toothed，and，as termed by cabinet maker，who captured one in the act o stealing varnish，as having a circular saw on his back：The varnish was uo doubt intended， s they use the gnmmy cxudations from trees， for a layer upon which to glue their eggs They proved to be the eggs and pupe of the Pryonotus novinarius，also called Arilus in Westwood．I find uo mention of this genus in the writings of Harris or Fitcb．Kirby and pence，in their introduction to entomology， page 92 ，（ed．of 1846），speaking of insects of this order，say ：－＂Yet I can assure yon，upon good anthority，that Reduvius serratus（Pry onotns serratus Latr．）commonly known in tbe West Indies by the name of the whice bug，＂（TVestwood adds，so named from the ingular prothorax circularly elevated，au toothed like a cog－wheel）＂can，like tbe electrie eel，communicate an electric shock to the person whose flesh it touches．＂The authority referred to，．is that of Major General Davis，of the Royal artillery，well known as a nost aceurate observer of nature，as well as most indefatigable collector and admirable painter of insects and natural objects．
Our insect，now quite common abont Lan casier，Pa．，is very mucb like the West India wheel－bug in form and appearance；but as to having electric aetion，I know not．But this I lo know，that if they strike their lancet into our flesh，the hlood will flow，and no doubt a hock（to the nerves）will follow．I saw the act illustrated as to the flow of blood，on a made no inquiry．I to the electric shock I pe no inquiry．I usually handle them with pair of forceps，but whatever tbeir condncting power may be，I discovered no electric shook
the tbumb and finger，across the abdomen．－ Thus I became acquaiuted with the babits of this insect．The result of my observation is young brood，in their blood－thirsty，fratrieida fattening on each other，so that the mos crafty，vigilant，and powerful are the survivors． Alas！we see too much of this condition of things in human nature，and cannot adduce this as an example，but simply as a fact in natural history．
The parent is evidently at fault when the eggs are placed in a situation that affords no food or provision for the young brood，who are brought forth witbout pareutal care or pro vision made，and are governed solely by ap petite，to feed and fatten on each other．I ap prehend that this case was an exception to the general rule，having sinee found groups of eggs on the branches of trees infested hy plant liee－ wben the young may disperse earlier and gratity their appetite on more docile victims Nevertheless，tbis latter is a surmise；the fo mer a faet as I observed it．

\section*{April， 1867.}

A Bun Show．－At the annual bird show at Crystal Palace，Sydenham，England，on the 9th ult．，nearly one thousaud one hundred pecimens were exhibited，including a jaek－ law，all white；an almost equally singular specimen of the hedge－sparrow genus，all white ；and an Australian magpie，wbich has a tenor roiee that，with a little musical eulture， might be turned to profit as an exhibition．

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\(4 \mathrm{~m}-\mathrm{we}-9\)

Hew 基ark．
J．hickling \＆co．s



The Frarm and Fireside.
seeutively, so hot that it was uncomfortable to nold in the hand. That was "low grinding;" the way to get a harrel of "Extra Family," out of about two hundred and twelve pouuds on Wheat; hut not the way to make flour that
will give us the most nutritious, boht, and will give us the most nutritious, light, and wholesome bread.
In flour making, as in many other arts and useful avoeations, good judgment and practieal common sense must seeond science in order to produee satisfaetory results. These requisites
heiug too frequently wauting, the utter ignorheiug too frequently wautiny, the utter ignor-
anec of the philosophieal principles of milling supplies their place, making mueh inferior flour from first elass grain.
A single field of wheat, of a fem aeres, the field having a rolling surface, some high, some low, and some intermediate land, may give a
half dozen different qualities of wheat ; some having more of gluten, some of starch, some of other elements, all alike in appearaucc, but
in griuding readily diseovered hy the competent miller, who, in flouring such grain, frequently finds it necessary to regulate his hurs five times, it may be, in running off forty hushels. The experienced miller can tell hy louch, good or had four, as it eomes from the
burs, in the dark, with hoth eyes shut; and his surest test is also the best guide for those who purchase flour, and who are always liahle to he deceived hy appearances.
Place a thimble full of flour iu the palm of the land and ruh it gently with the finger of the other hand. If the flour smooths dowu
under the finger, feeling silky aud slippery, it under the inger, feehing silky aud silippery, it
is of inferior quality, though of fancy hrand, high-pricei and white as the virgin snow-drift. It has heen either too low ground, or made from grown, danaged, or perhaps wheat hav-
ing an uuusual per centum of gluten-murdered with dull lurs, and will never make good, light, wholesome bread. But if the flour rulhs rough in the palm, feeling like fine sand, and has an orange tint, purehase confidently. It
will not disappoint you. Such flour, whatever may he its hranded reputation-though in price it may he at the lowest market figure-will make good, light, nutritious bread.
There is a popular prejudice against "Spring wheat," arising from a helief that its flour is of inferior quality, and will not make as good
bread as that of wiuter varieties. This is an bread as that of wiuter varieties.
crror that ought long smece to have becn corrected. Properly ground, good Spring wheatas the genuine Odessa, Italian, and French T., will make as good a quality of flour, and the pastry, as the average of prime Winter grain. But to grind Spring wheat properly, the miller must be master of his trade, as well as possessed of practical connmon sense, and cousiderable
ingenuity. As the Spring wheats contain, on ingenuity. As the Spring wheats contain, on
an average, about nime per ceut. more of gluten than the Winter varieties, and nearly so much less of starch, the pair of hurs and process of grinding that will turn out "Family Extra," from ordiuary Winter wheat, will half ruin that made from the best Spriug varieties that ever grew.
That That wheat which contaius the largest
amount of gluten grinds the hardest, auad soonest induces heat in grinding; and to grincl such wheat as it must be, in order to produce the
best flour it is capahle of vielding, there must best flour it is capable of yielding, there must
he clean, sharp burs; quick draught to the furrows, free delivery, and high velocity, iu order to get the material ground and ont from under pressure in the least possible time. The same conditious and rules of grinding, apply as
well to Winter grains that contain an uuusual per centum of gluten; or are grown, shrunkcu, damp, or foul with "cheat."
In corn milling, three quarters of all the meal made is wantonly man-slaughtered by being rather smashed, than ground, aud ruhbed down iuto fine flour between dull mill-stoues,
driven at too low velocity. To make good corn meal, such as will make best bread, cakes and puddings, the mill-stones should be close, solid surfaced; the furrows cut deeper than
for wheat, the draught greater, free delivery, running without an atom of "wablle," and both bed-stone and runner must he kept clean dressed, so as to cut the corn into grauules like sharp sand, rather than mash it iuto a mas of fine flour, as
\(\Delta\) prit, 1867.

PLAIN TALK WITH FARMERS,-NO. 5.

\section*{Written for the Farm and Fireside, \\ by hon. James w. Wall, new jersey.}

Geologr, and vegetable physiology, are not the only scienees, in this remarkahle age in whieh we live, that minister to the iustruction chemistry comes iu to teach him the uature of the various elemeutary constituents of bodies, and the laws which regulate their combination in the organic and non-vital world; while
animal and vegetalle physiology instruet him animal and vegetalle physiology instruct him
in the constituents of organic, or vital beiugs. Chemistry discloses organic, or rital deleterious gases in the atmospinere; while vegetable physiology most heautifully demonstrates how the leaves of the plants are the lungs by which they breathe, and appropriate the earhonic acid of the atmosphere, which is
retained and ahsorhed hy them as part of their structure, while the oxygen, so neccssary to mau's vitality, is excreted into the air hy them as useless. So thus ly an arrangement, the wisdom of which is apparent, the vegetahle and animal kingdoms are made to concribute
mutually to each other's support: nay, they are essential to each other's existence. Destro, the animal reign, and the vegetahle would
speedily perish for want of its proper nutriment. Eradicate the vegetahle cover of the earth, and the very air we breathe will lose that element hy which life alone continues.
Chemistry reveals how certaiu elements of the inorganic world contain nitrogen, phos phorus, soda and lime; while vegetable phys iology clearly demonstrates how the living organisms of the plant, when these sulstance nures are brought to its roots, through these regetable mouths drink in the liquid nourish ment that the rains wash down, which by Na ture's secret process goes to form stem, leaves and flowers. Vegetahle physiology developes for the agriculturist the great truth-that what
the blood is to the life of man, so the sap in the blood is to the life of man, so the sap in vegetables is the vital eurrent, the nourishing
fluid, whieh, circulating tlrough their veins and arteries, is necessary for the maintenauce and increase of their frames; and as this nourishing fluid is being constantly consumed, and shugg fluid is being constantly consumed, and
must receive fresh supplies, agricultural chemistry reveals the elements that euter into its

It analyzes the sap of the vegetable, and finds it to consist of all the elements of which the individual plant is composed; wbile carbon, hydrogen and oxygen materially euter into its formatiou. Then vegetable physiology most heautifully makes inanifest, how plants
derive all these gases from the atuospliere ; their carbon from its carhonic acid; their
hydrogen from its moisture, and their nitrogen hydrogen from its moisture, and their nitrogen
from the gleaming lightning, that shedding its lurid glare during the passing thunder shower, gives down this important element, which stauces, produces that vigor's iu vegetation stauces, produces that vigor iu vegetation mer shower. So that, iu fact, the electric magazines of the skies, aided by earth's suh-
stances, are continually engaged in the manufacture of those nitrates of potash, soda and line, that form such important ingredients in our hest manures.
Chemistry has taught the agricultural world the value of suhstauces for manures, which
heretofore have been deeued worthless. It has shown why plauts grow upon a soil that is well manured, because such manure has added to the soil the elements that enter into the structure of the plants, nitrogen, phosphorus, sulphur, potash, soda and maguesia. It has taught the agriculturist, that where the
natural manures fail, artificial compounds may he resorted to, giving to the soil and the plants, something in which the first was deficieut, and the latter was craving for uourishment. It has taught the characteristic dis nures-that the former contain a much larger proportion of nitrogeu than the latter; and instructs you how to hest treat animal manure oo as to hold and preserve that nitrogen, or the volatile ammonia which decay erolves
from it, and upon which most of its virtue depends. Chemical analysis, perhaps, will show
you that your soil is defieient in sulphur or soda. Guided by this, you apply a top dress-
ing of sulphate of soda to your wheat, and ing of sulphate of soda to your wheat, and
the full grain in the ear almost bends to the earth with its weight. You find that the land you are about to lay down in grass, is deficieut in mitrogen. You top dress it with a preparaon of nitrate of soda, and a rich luxurian erop g.
scythe.
Already the system of seieutific eultivation s heing guided and directed materially hy th light of elemistry. By takiug advantage o variéties produeed naturally, hy endeavoring to produee others by art, and forming hybrids, an immense number of varieties have been brought iuto existence ; eaeh possessing peculiarities of great interest and importance. On a little plant with a fusi-form root, smooth a leatle plant with a fusi-form root, smooth mustard, with a saline taste. By scientific cultivatiou there have beeu produced from that insignificant plant, all the luroecoli or kales, at least a dozeu rarieties; all the early avoys, aud the whole family of turnips. cultivation can ever produce from a single plant so many varieties, as have sprung from his \(\begin{aligned} & \text { rassica, much is being doue, and more }\end{aligned}\) can be done in this direction. Scientific cultivation, aided by eheuistry, is now hending all its energies to produce varieties, which shall extract as much as possible from the soil in the shortest possible time; in other words, varieties richest in nutritive matter, and com ng speediest to maturity

\section*{CARROTS AND THEIR CULTURE.}

By w. h. Wilte, south winnsor, cony
It needs no argument to convince the pro gressive, wide awake farmer of the value of
the carrot in fecding to stock; and of its cconomy as a field crop. Many ohject to growing root erops on accouut of the lack-aehing labor necessary in their prodnetion. By taking adantage of improved implements, very much of the most ohjectionable and back-trying laor may he dispensed with. The seed sower scuffe hoe and carrot weeder, will greatly aid in dressing out the crop at first; and a large
part of the after culture may he performed with the horse shoe or cultivator. Clean thorough culture, ou suitahle rich soil, is the great secret in carrot, as well as in all othel oot eulture. As a market crop they are valu mile, as well as an excellent feed for horses milch cows, and other stock. Wheu fed to
cows giving milk, in moderate quantities, they cause them to give mill yielding a rich yellow cream, producing hutter of the color made when cows are turned on early grass; the quality and quantity being very much hetter than that produced when the cows are fed with almost any other feed. Carrots contain an acid called peetin, the gelatinous priuciple of ertain vegetahles, which, acting upou the con tents of the animal's stomach, greatly assists the process of digestion. For this reason they are valuable as feed to horses kept on clry feed or grain, giving a healthy, sleek, shining ap pearance to the skin and coat, as well as improving their digestion. Often when horse re kept on hay and grain alone, considerahle of their food is passed in the whole state
feeding carrots this difficulty is obviated.
By liberal mauuring, ou good soil, with well rotted stahle manure, aud an applicatiou of 300 or 400 pounds of superphosphate, together with thorongh culture, one thousand to twelve hundred hushels per acre may he grown. Vith a less liberal manuring and fair culture ix hundred to eight huudred hushels per acr may be grown. The cultivatiou is a simple
process, requiring no particular art or skill above produciug good crops of other roots and vegetables. The best soil is a rich loamy oue, which should be thoronghly. hroken up and oosened to the depth of 16 to 18 inches, hy horough plowing and suhsoiling, mixiug in vell rotted mauure in hiberal quantities. The deep working is necessary to grow smooth, long, taper roots, instcad of "fingers and toes,
ground. Harrow and make the soil thoroughly fine; lay off the drills two to two and one half feet apart, for field eulture; and eighteen inches for garden culture. Into the drills strew your superphosphate, and eover about two inches, or a little less, with a Share's planter; on these ridges drill in the seed half au inch deep. The best seed planter will be found to expedite planting, distributing the seed, and covering more eveuly than by hand. About two pounds of seed is required to the acre. The proper time for plantiug is from the middle of May to the first of June. For garden or early culture, Larly Horn will be found the best. For vinter or field culture, use the Long Orange. The Altriugham is thought hy many to equal he Long Orauge. Ou the whole, I think the As org Orange is as good as auy kiud we have. As soon as the plants are up, go through with the scuffie hoe, destroyiug all weeds; you can do it nore effectually with the scuffie, than with the common hoe, and thin the plants to from four to six inches apart in the row.
After which keep the cultivator or horse hoe n motion, to keep all weeds down and the ground loose, using the hand hoe as frequently as necessary, thus greatly helping on the growth and vigor of the plauts. The harvesting I defer to the appropriate season. Try a small patch, if for no other purpose than to feed to the milk-giving cows, and see what a difference it makes in the hutter during winter, April, 1867.

The Califoruia Agricultural Society requires hat a first-premium work horse shall be hetween fifteen aud sixteen hands; quick, lively ears; broad hetween the eyes; round barrel; short loius; well up in the shoulder; deep chested; square quarters; flat legs; short hetween the knee and pastern, and hock and pastern; hind legs well under him; speed cqual to eight miles au hour ou the road, and at least three miles at the plough; with sufficient blood to insure spirit und endurance.

Unwholesome Bread,-An eminent physician, speakiug upon the vital suhject of hreadmaking, advocates the use of unbolted flour. He says that hy learing out the hran we injure the hread, and lose a portion of azote as well as a considerable amount of the phosphates, both of them of the utmost moment, even when hread is but a partial ingredient in the general nutriment, hut much more so in the case of liard-working men aud women, when it constitutes the principal sustenauce. Owiug to the ahsence of the hran, hahitual constipation among those who mainly consume such
bread eusues, And owing to the partial ahsence of nitrogen and of the sufficient phosphates, the hody is not adequately supported. The result is, that dyspepsia and debility widely prevail.

Tue Ciuciunati Price Current published last week the annual report of pork packing in the West. It says: The total number of hogs son; the reneral averagc weight 232 1-7 pounds against \(2313-10\) pounds last season, and the yield of leaf lard \(29 \frac{2}{3}\) pounds against 31 1-7 pounds last season. The shipment of hogs East, over the Baltimore and Ohio, aud the Pennsylvauia Central Railways, during the season were 612,184 head, against 40,562 head last season. The great increase was over the Peunsylvauia Central.

A Chicago mau who had nct beeu out of the city for years, fainted array in the pure air of the country. He was ouly resuscitated hy putting a dead fish to his nose, when he slowly relved, exelaiming; "That's good-it smells hike home!

Two correspondeuts of the Rural American say that a few seeds of the Palma Christi, or
castor hean, scattered ahont thcir hauuts, will lestroy ground moles.

An Assoeiatiou proposes holding a State
Agricultural Fair in Baton Rouge, La., duriug the week beginning Monday, May 6th.

The Ificht.

\section*{SEED POTATOES.}

\author{
Wilten for the Farm and Firesic
}

It is proper, before going into particulars as o the propriety of planting cut seed, to consider the claims of the diflerent kinds now under cultivation in tbis locality, Our standard market potato has for many years been the Mereer, but from some unerplained cause, it has for some years, except iu favored
failed to give a satisfactory yield, though it still failed to give a satisfactory yich, thoug to keep up its high standard of quality; but as quantity is an important eonsideration, it seems doomed to surrender its place as potato king to some of its younger rivals, who though not fully known, are making a strong appeal to pubiic faror by their large yields and improved arerage size.
Of the newer kinds we have the Goodrieh Scedlings, the Monitor and the Buekeye. Thus far the Monitor, Peach Blow, and Buckeye, seem to be the most formidable rivals of the Mercer, whieh, though they do not commaud as high prices as the latter, make it up in greatly inereased yields. Of the Jacksou White, the pride of the Boston market, we
know but little, iu our locality. The Peach Blow, so highly prized in the New York market, after many trials, has been disearded here, as not beiug adapted to our heary soil. For the same, or some other reason, the Buckeye, while it is satisfactory with
yield, is uot so in respeet to quality.
What we seem to need, is a potato which while it shall possess the productiveness of the Goodrich Seedlings, shall have the quality of the result of a hybrid of the two, and this idea I have put into practice by the products of a scedling Mercer hybridized by Monitor blossoms. It beiug only three years from the seed ball, it is of course too soon to know
whether it will fulfil the abore requirements or not.
Last season I had under eultivatiou Early Goodrich and Cuzco of the Goodrieh Seedlings, the Monitor, raised by Bulkley, the Mercer, the Nova Scotia Mereer from iuproved seed, and the Early June. The result of my experiment, has been to leave the two latter out
of my list for nest year, for a want both in quantity and quality. The Monitor aud Cuzco have maintained their reputation for produc tained its boasted quality; while the latter, from the fact that they were not dug until after they had taken second growth, have not
come up to tbeir standard. The Monitor has this scason proved itself quite as good in quality as the Merecr, but I think it is much more influeneed by the season than some other kinds; those raised in a dry season being better than the product of a daupp or wet season; and
those raised on rolling, loose ground, better than those from heavy, wet soils. The Early Good rieh, from its being essentially an carly potato, does not seem to come into eompetition with yield, it has a decided adrantage.

Tbis scason their relative produetiveness has been: the Cuzco three hundred and fifteen, Monitor three hundred and five, Early Goodrich three hundred and twenty-five, and Mer cer seveuty-two bushels per acre. Of the treatment, which was rather better ( with regard to manure) than was accorded to the others, and for this some allowance should be
uade.
No one seems to doubt the produetiveness of the Goodrich Seedliugs, and nine teuths of
those to whom I have put the question, are of the opinion that this productiveness is attributable to the faet that they are new kinds having been "only a few years from the seed ball." This may or may not be one reason, but
eertain it is that all new scedlings (as I know to my expense) are not noticeable for productivencss.
In myं opinion, we will find the seeret in another cause. Goodrich from the first, made use dency to weakeu the stock, decrense the yield
and deteriorate the potato. Experiment will
demoustrate that in all kinds of potatoes there are two distinct classes of cyes, wbiel in a perfect potato ean readily be distiuguished from each other. Some kiuds of potatoes, of wbich the Cuzco, Mercer and Pink Eye Rusty Coat may be taken as a type, are not regular througbout their length, the perfect speeimens being smaller at one end than the other; the thick or large end is that which, in growing, is a may be styled the root end. The smaller end may be styled the root end. coutains a close bunel of shallow eyes, which
have been styled the blossom eyes, If we divide a potato in three nieces, by two cuts at right angles to its length, we may distinguish them as blossom end, middle and root eud. These, if planted in separate rows, at the same time and under the same ciremmstances, will show differcut results. The blossom eyes will break through the ground first, and in the eourse of from four to eight days will be followed by the middle eyes, which in turn will be followed by the sprouss from the root end, after several days have clapsed. I know that iu the above I am not advocating a uew idea, for it has been bave mentioned the fact have said "yes know it and bave tried it, but could see no differenoe in the yield of the three kinds, and do not belicve there is any."
Lest there should be those among the readers of the Farm and Fireside who, from the saune result have adopted the same reasoniug, I would say, try it for three years, keep the three kinds separate every year, and raise seed from eaeh kind for three or four seasons, and there will be some difference, aud so great a one, that no oue will hesitate which seed to seleet for future planting. I do not wish to say posiively that this is tbe reason of the productive hess of the Goodrich Seedling; but I do be luctiveness by the continued use of iolossom ductire
eyes.
One
One point in the chain of argument \(I\) have reneral thing, the blossom eyes only will grow. I do not give it as au invariable rule, for it has its exeeptions; but it will usually be rue, and by planting whole seed, we usually will get sprouts from blossom eyes, whiel, rom some cause, will sprout to the exelusion of the other eyes.
Iu the old fashioued mode of planting, it was custrmary to cut the potato into pieces of wo eyes cach, and of course, the blossom eyes were planted with the others; and when seed for the next scason was sclected from the pile
at large, there was but little if auy deterioraion; but wheu the too eommon plan of saviug small or middle sized potatoes for seed, was adopted, a deterioration iuvariably took place, which, sooner or later, led to a eomeyes produced the carliest and best potatoes, aud the smallest and worst were selected for seed, is it not reasonable to suppose that the benefit to be derived from blosson eyes was lust, and that class cyes, aud therefore imperfect
Having said this much iu faror of whole seed, my statements will perhaps be tbought contradictory, if I now advocate eut seed, and say that I always cut the seed for my main
crops, only planting that of my experiment plot wbole. My rule is to cut the potatoes into halves or quarters, according to the size of the botato, aiming to have from one quarter to one third of a pound in a hill.
If my argument above is correct, there are undoubtedly more blossom eyes in a large pototo than we ueed iu a hill, and hence I have that if I ean attain a few blossom eyes in eaeh piece, I am doing as well as if I planted the whole potato.
After several careful experimeuts, I can detect no difference in the produet from whole
seed and that cut as above, having used seed from both kinds and lept them scparate; I an not yet ready to say positively, but so far ean detcet none.
April, 1867.
At this scason of the year, take extra care

物arious 鲜atters.

\section*{THINGS WISE AND OTHERWI3E}

Is Chins the plysician who kills a patient has to support his family. Quite a number of in this country
A subscription is being raised in New York for a monument to the late well-known horseman, Hiram Woodruff. We can endorse this covement. Mr. Mroodru: was one of this country who essayed to give lignity and character to the turf.
A piece of Lake Superior quartz, weighing onnees, has been smelted at Eau Claire, Wisonsin, and found to contain 5 ounces of silver. A lawsuit is pending iul Chicago about five
and a half incbes of land. Land must be valuable "thereabouts."

Southern planter, who sometime since ried the experiuent of employing monkeys to pick eotton, reported that it was an immense suceess, but that it required two overseers to atch each moukey and keep bim at work. A horticultural wag of our acquaiutance say e is eudeavoring to discover a plan to extract the beats from musical compositions. He states tbat they are worth trying for, as in
some cases it ouly takes two to fill a measure. We compelled the aforesaid wag to

\section*{eat.}
woman begins to have great antipatly to ates wben she finds herself out of date.
The effort to raise salmon transferred from England to the rivers of Australia, has proved
eutirely successful. The work was doue by entirely successtul. She
A Missouri blaeksmith has prepared a horse hoe for the Paris Exposition, made of raw ore from the Iron Mountain. Half the shoe is finished, and the other half shows the ore as it
is dug froun the mine. Ove thousan fine.
Oxe thousand emigrants pass through C 0 lumbus, \(\mathrm{O}^{2}\), on their way West every week.
Tue dove was the first newspaper carrier when one morn it went out and fetched a lea or Noalh. It contaiued a paragraph on the weather,
subsided.
A Subterpanean City Discovered in Cex tral Asia. - Foreign journals report that subterranean city las been discovered in the vieinity of Fort No. 1, on the Sir-Darya river, in Turkistau. Kirghisian settlers laving undertaken to furnish bricks to Major Yuni, the Russian commandant of the fort, brought him such curious specimeus of the required article
that he was led to inquire whence they had that he was led to inquire whence they had
procured them. On their taking him to the plaee, the existence of a subterranean city o vast extent was soon apparent to the astonished Russians. The place seems to have been or ceding of the water is now at some distance from its slores, aud iu the course of time has becu covered up by sand and alluvial deposits. Whether it belongs to the ancient Parthian, or, comparatively speaking, modern Dstuungariau period of Turaniau history, has not yet been ascertained. A guard has becu stationed from depredations, until the arrival of further orders from the Governument of Orenburg.

Medge Playt. - The Norway spruce trongly recommended for a hedge plant by several of the Western horticulturists. It docs not slade the ground so much as the Osage Orange, is perfeetly hardy and a beauty for-
ever. On the grounds of Ellwanger \& Barry, Rochester, N . Y., is a beautiful Norway spruc hedge that will turn any stock, from horses and eattle to a rabbit. In setting a hedge, use plants from two to three feet higb, placiug them three fect apart in the row. In four years t
Holding up Milk.-Mr. L. Morton informs the Rinral American that when his cows trouble him in this way he reacbes his hand up and plaees the ends of his fingers on the backbone, forward of the hips, and presses down hard

Whims of monomaniacs.
Thas whimsical ideas of monomaniaes are inuumerable. There was once an English elergyman, the Rev. Simon Brown, wbo died nuililated by a special fiat of the Divine will. A patient in the "Retreat" at York, England, thought he had no soul, lieart or lungs. A soldier, wounded on the field of
Austerlitz, was struck with a delirious convicion tbat he was but an ill-made inodel of his former self. "You ask how Pere Lambers ie," ee would say; "he is dead-killed at Auster cline made in his likeness." Dr. Mead tells is of au Oxford student, who ordered the funeral bell to be rung for him, and went himreturned to his bed only to die. A Bourbon prince thought himself dead, and refused to Turenne and otber Frencl heroes long since departed. There was a tradesman who thought himself thus: "It my wife presents of payment, don't claage me." Bishop Warbur tou tells us of a man who thought himself a goose pie; and Dr. Farteday, of Manchester had a patieut wbo thought he had swallowed the devil. In Paris there lived a mau who
thought he had, with others, been guillotined, and when Napoleon was Emperor their head were restored, but in the seramble he had got the wrong one. A newspaper editor fancied he was a paragraph, and as he lay in bed, de bated whether lie should rise all together,

Neatness of Exglish Dahimene:-Mr. Willard gave high praise to the English dairymen or the perfect neatness and eleanimess of their dairics. Nothing in English cheese making
struck him with so much force aud admiratiou s the cleanliness with which everything is conducted. The milking is very earefully per-
formed in tin pails. The dairy is located out f the reach of bad odors, or auything likely to taint milk. The milk rooms have stone floors, the joiuts of the flagring cemented, so entrauce. The utensils and everything about he dairy are kept as clean as the table and This feature of eleanliness, the speaker said, efound wherever he went, from the Royal Dairy, at Windsor, aud radiatiug from thenee il through England. He bcliered it was this cleauliness and we untainter condition of the the curing rooms, that were the leading causes of the fiue flavor which is
one ot the English cheese.

Fish in Cold Water. - Waters too salt are verse to the fattening aud thriftiness of fish, pittiug of oysters aud mussels, the asceut of ivers by fish to deposit tbeir spawn, and a core of other similar facts. Waru seas pro-
luce but poor fleshed fish. Maury even tells us that the fish of the sea aftord, perhaps, the ost indication as to the eold currents in it. The Atlantic cities and towns of America owe heir exellent fish markets to the stream of
cold water from the north, which rus along the coast. The temperature of the Mediterranean is foul or fire degrees above the ocean merature of the same latitude; and the fish the temperature along the American coast is everal degrees below that of the ocean, and from Maine to Florida, tables are supplied with the most exeellent of fish. The sheep's head of this eold curreut, so much estecmed in Virinia and the Caroliuas, loses its flavor, and is
ousidered wonthless, when taken on the warm eoral bauks of the Bahamas. The same is the case with the cller fish. Iu the cold water of that coast they are delicions; in the warn water ou the other edge of the Gulf Stream, their
flesh is solt and unfit for the table. lesh is solt and unfit for the table.
A blue tulip, for wbieh vast sums were ofhas been produg the tulipomania a century ago, -ill be on exhibition at the Paris Exposition.

 Ano S. S. Foss, EDirross
saturday, april 13, 186

\section*{afawayay=}

\section*{systemattc farm accoovnrs.}

There is not sufficient importance attached oo the keeping of farm accounts. Nany farin and year out, without making any daily or even weekly entries (exeept of dollars and cents reccived or paid out), referring to specific operations and their results. They cauuot tell how the account stands with their farm. They do not know whether there is more profit in raising hay or corn, potatoes or cabhages, cattle or hogs-or whether anything pays. Even the aggregate of yearly expeuses, paid out a money or its equivalent, is not known to some though the income law, which has heen in operation for the last five or six years, has compelled the majority of farmers to keep and prepare some sort of an aecount to exhibit to the assessor. They were driven to \(i t\), either from a conscieutions regard for the correctnes of their sworu statemeut, or from cupidity, displayed iu their anxiety to present all the de ductions admissible under the law.
Merchants, and other busiuess men, keep an accurate account of the details of their husiness. They take frequent iuventories, aud keep up such a rigid supervision over the several departments of their business, that they know which are profitahle aud which are unprofitahle. By entering more largely into the former, and relinquishing, or applying the proper correctives, to the latter, their business steadily increases and prospers. This is tbe reward of their watchfuluess-of their sys tematic method of doing busiuess. To sucl men the epithets of "sharp" and "shrewd" are not derogatory. Their slirewdness is legitimate and protective result of their at tention and pains-taking
What is to prevent farmers from heing equally as accurate and acquiring similar shrewdness? Why should they not be able to present their balance sheet and minute detail of operations? "It is too complicated," says one. That is a mistake; the only requirements are, olservatiou, ahility to write, and a knowledge of the most simple operatious in arithmetic. "I cannot spare the time," says another. Under this plea we often ueglect profitahle things for unprofitable ones. A few minutes spent in an evening in making upesti mates, may convince us that ulany hours o hard labor are being sadly misspent in some particular direction. "It is not inportant," to he undeccived. The answer to the second jection will apply equally as well to him. essential to seant, in a number of respects,

No man can be considered to have reached the rank of a first-class farmer, who does not keep an accurate account with his farm. We know of one farmer who has kept au accurate account of his farm operations for fifteen years. In his blank book, or diary, he exhihited to us the operations and yield, income and expense, of each separate ficld; the profits of the or-
cbards; the cost of each stock unimal raised; poultry statistics, ctc., etc. Of course, a few of these estimates, from their difficult surroundings, were but approximations, but they were near enough for all practical purposes. In tbis book were also cutered memoranda of experiments on various manures and their application; observations upon atmospberic hu midity ; diagrams for grape arhors, garden beds and young orchards; gleanings from agricultural readings, etc. It was a perfect epitome of individual "haps, mishaps, and experiences
If thousands of farmers would do this, while they would greatly benefit themselses, intel lectually and pecuniarily, they would also materially aid agricultural journals in their lauda ble endeavor to sift facts from suppositions-
the practical from the theoretical. If too far advanced iu years to attempt to follow this
advice, be sure to instill habits of watchfulness and correctness in your children. It will he f incalculable benefit to them, no matter what arocation they may erentually conclude to adopt. The men who succeed are those who re honest, puuctual, systeunatic; who are ratchful and diseriminating in the minutest details of husiness.

\section*{BE SURE OF THE FACTS.}

Our contributor "S. S. R.," in his article headed "Is it so?" in this mumher of our journal, shows up in a ludicrons light some practices that are iu rogue, and which have not even probabilities to recommend them. A se remarked a week or two ago-facts are fundamental things, and if not correctly observed, the conclusions hased upon them must wrong.
More than one pretender has published olume, the scientific eonclusions in which eemed unanswerahle, and yet were but based pon asserted facts. One such book, not man years sinee, occasioned serious alarm for the
safety and honor of the Bible aud of Christianity. But soon a geologist, theu a botanis and then a physiologist, assailed and utterly demolished the essential facts upon which the conclusions of the book rested. The savans of London and Paris were once confounded by the questiou: "Why a vessel containing a given amount of water would not be increase in weight if a fislo weighing is pound were put iuto it." While other philosophers were pro pounding their learned theories, another one, more wary than the rest, tried the experiment for himself, and solved the uystery. He found that the water weighed exactly one pound more with the fish than without it!
Fontenelle gives another illustration. In 1593 the report was spread abroad that a tooth of pure gold lad grown in the mouth of a child in Silesia. Horstius, Professor of Medi cine in the University of Helmstadt, wrote a learned disquisition upon the matter. Two other savans attempted to explain the miraculous occurrence. Then the Learned Libarius followed with his opinion. But during this time a goldsmith was sent for, who discovered that a bit of gold leaf had been skillfully applied to an ordinary tooth: The goldsmith should have come first, and the philosophers last. 'The infereuce is, that we must see clearly and carefully in order to philosophize safely and surely. Wheu a singular theory is pre sented to us, we should examine for ourselves,
as far as possihle, to ascertain whether the facts upon wbich it is based are real or pretended.

Sale of Blooded Stook.-Last week Jacol E. Kreybill, of Lancaster Couuty, Pa., a young farmer noted for his attention to iunported stock, disposed of some of his Durhams at public sale. The prices of cows ranged from \(\$ 61\) to \(\$ 210\), avcraging \(\$ 116,50\) each; the prices of heifers ranged from \(\$ 51\) to \(\$ 202\), averagiug \(\$ 99\) each; the hulls brought froun \(\$ 54\) to \(\$ 200\), averaging \(\$ 100\) each; the calves brought from \(\$ 21\) to \(\$ 101\), averaging \(\$ 70\) eacb. One splendid calf, called the Grand Duke, was
withdrawu from the sale hy the proprietor, withdrawu from the sale hy the
after having been bid up to \(\$ 350\) ?

Progress of tile Rinderpest.-The Secre tary of State has received a dispatch from the United States Legation at the Hague, dated March 26th, iu which it is stated that the Riu derpest bas sprcad into Belgium and Frauce The report of its progress in Holland, up to February 20th, shows a decline, though not to much extent. The numher of cases during the first six weeks of this year, was 18,000 , and the deaths 7,176 ; slaughtered \(4,442-\) mak ing a total loss of stock of 11,618 .

Now is the time to exterminate the caterpil lars, The little twigs and ends of limbs on which are placed the belts of caterpillar cggs, should be cut off and effectually destroyed by buruing. These little egg belts can easily b seen.

Plant corn for table use as soon as the wather will permit.

\section*{plant trees.}

Tue genial season has come-the season o hursting huds, emerald grasses and singing hirds. It is the scasou, also, of unnsual actirity and lahor on the farm, in the garden and the nursery: There is no lack of employment for hose who "earn their hread by the sweat o he brow." We have ploughing, sowing, manuring, planting and prouing to attend to ; rees. The farmer or gardener who overlooks this latter duty, neglects one of the most in-
portaut duties of his professiou. The diversity of soil and climate iu this country, gives us emarkable facilities for the cultivatiou o ruit ; and no man who owns a farm, garden, 1 even a house-lot, should omit setting ou ruit trees. They cost but little, require smal attentiou, yet retura us delicious and health giving food, and add cousiderably to the value and attractiveness of our homes.
Many persons, intelligent oues, too, live on farms or country-seats all their lives, but neve they think "it takes too long for trees to grow and bear fruit." I'rodigious philosophers Suppose those who "came hefore us"-our ions: where would he the luxuriant fruit that now tiekles our palate? Where? Not cer ainly in the blooming orelards, nor in every village or city market. Instead of the abun dance of apples, peaches and pears; the profusion of plums, cherries and other dclicacies gry" for those luxuries; aud the uoble orchard which beautify our farms aud diversify the landscape would become curiosities, and the little garden of the poor man would he a comand fanily. This error, mistake, or stupidity in not planting trees because they are slow in coming to maturity, or frail-hearing, is not apology of the sluggard, and the suhterfuge, evasion and shift of those who live upon the labor of others.
We canuot jump from diaper to hroadcloth we cannot make prize-heef out of juveuile righteousne ss, nor can we raise or propagate rec fruits in a day or a year. But, by proper planting, skillful culture on favorable soils, we can obtain fruit in a comparatively brief tiuce If we do not live to cnjoy the returns for our labor, somebody else will-perhaps your chil-
dren or graud-children, or maybe a foot-sor e and travel-weary heggar may rest heueath the broad, bending hranches of your orchard; he may satisfy the guawings of hunger ou your fruit, and thank the Great Father of all, that you planted, watered, pruned and protected the trees that continued to bloom, blossom and nod over your mouldering ashes.
The profits of orchard, or tree culture, are ncreasing every year. With good manage ment the fruits of the orchard will often bring more than the productions of the field. Few or, will fail to net one hundred dollars per acre-often twice or thrice that amount. The demand for fine fruit is increasing aunually, nd there is no danger of over-stocking the market. But if there was little marketable or its health-giving properties-for yourself, your family and your friends. Go on the prin ciple of increasing domestic counfort; of perpetuating good health; of adding something dependent upou you. Generosity to posterity, to those who may toil ou the same farm, who may sow the same fields, who may gather the last laid beside you under the same identical last laid beside you under the same identical
soil you have all cultivated, should not be forgotten. We all belong to one great family or brotherbood, of whoun God is the Great Father. Spring is a farorable time to transplaut fruit rees in the New England aud Middle States. In the South, below thirty six degrees, the Autumn is probably the best period to set out fruit trees. Not so in the North; now is tbe
best time, in our opinion. In selecting trees, avoid purchasing from nurseries of very rich
land, for there the young trees have been adl
vanced too rapidly. They have been pushed ahead "for a market;" are perhaps licalthy afterwards ou ordinary soils. Again, look fo gorous trees, with good roots, strong and \(\AA\) -
rous; with the wood well liardened, and the hark smootlh, clean and lealthy-looking. In selecting ground for fruit trees, choose a good,
dry soil; if the land is naturally wet, underdrain it, or if it is thin and shallow, sub-soil it Low land is sulject to frosts ; as a reneral a vice, put your trees on middling high land, ough not at the extrene summit. If adjacent odics of water mitigate the severity of Wiuter pard to seientific transplanting, and the aft pare. Veteran trec planters require no ad and amateurs shouid consult book author-

Departmext of Agmcthture.-Reports from Washington state that the Hon. Isaso his Department. Petitions are said to have the Cappito for uggesting various gentlemen for the position moug those mentioned are ex-Governor IId rook of Vermont ; J. A. Grimnell of Massa chusetts, and Orange Judd of New York. Of course, the applicauts are as thick as hlack irds in a eornfield; but which oue of the ficieut Commissioner thau Mr. Newton? WVe e fearful that "the loaves aud fishes"
what some of the applicants are after:
Sale of Stook.-The Burlingtou County New Jersey) Agricultural Seciety will hold its Grounds, Mount Holly, on the eighth of May Horses, cattle, sheep and other stock will he sold at auction, under the superintendence of per cent. Hay, grain and straw will be furished at cost.
We are favorably impressed with this kind falle for farm stock. If persous having stock or sale will offer theu at these annual gatherings, and the Society manage the business with strict honor and fidelity, we do not see wby it cannot be made a success-adrantageous alike the owners of stock and to the Society.

Batins for Horaes. - \(\Lambda\) veterinarian announ, in the New York journals, that he has stablished an infirmary " where Turkish baths thing, entirely, for Roman history speaks of athing cstablishments for lorses. A hot air bath, for some animal diseases, way be bene cial ; and the horse deserves the most skillful reatment and the most geuerous atteution in ckness. By and by, some Gothaunite will robahly open a smoking bazaar for the equiue have a " good time"

Eariy Trassplanting.-The carlier in the cason all kinds of trees aud shrubs, except vergreens, are transplanted, the more sure are hey to grow aud do well, because of the ne en the hroken roots being healed an ew ones formed, before waru suns an nowers hurst the huds and cause the leaves to planted trees should he mulched.

Good Example, - William Clark, orthampton, Mass., has offered to give eacl family in town, who did not pessess one, Concord grape vine, and a conmittee of the
horticultural cluh has been appointed to ascerain the number of vines needed.

Raspberries that were left unpruned las Gll should be at ouce attended to, and all the old wood and young, slender, weakly shoots cut out. Leave four to six good strong canes fourth of their height.


\section*{Firesite yale.}
[The suljoined is one of those pretty German legendary stories, whieh, while intended for the young, convey earnest lessous to older pcople.]

\section*{THE WOODER CUP.}

Ir was almost midnight; the full moon looked down on the German liils, covered with vine-yards, on the hroad fields of corn, ou the little village just at the outskirts of the
Black Forest, and the old well-the haunted Black Forest, and the old
well, just within its shadows
The old well had long heen the village well; but it had long heen dry, and had hecome, so said the villagers, the pathray throngh which the gnomes who dwelt helow the earth, went to and from their ahode.
This particular race who frequeuted the well, came at last to be distimguished from the other gnomes and fairies, so ahundant in Germauy, and were known hy the name of Spirits of the Well. They were kimd aud ohliging. If a poor man lost his money, he need hut go ncar the well, and he would find lying there, perbaps not cxactly what he lost, hut something that would in someway compensate him
for it: and if any one missed his way in the forest hy night, he had only to look straight down hefore his feet, to sec a little hopping creature, hardly distinguisiable in the dark

\section*{ness, h.}

It was almost midnight, as I said, when Crispus, and his brother, and his sister Nellie -three gollen-haired, hlue-eyed, adventurous children-eame ereeping across the fields toward the well. They had stolen out of their father's house, after he had shut up his shop, and paeked away his hoots and shoes and awls, and gone to his hed, believing the children safe asleep in theirs. They reached the well, and looked down.

We must wait till the moion rises higher and shiues down there," said Crispus; "theu werbaps.
As he spoke, the mooulight hegan slowly to ereep down the sides of the stone walls, lower and lower, until it glimmered far down in their depths. As the eiildren gazed, they were startled hy a laugh hehind them. They looked round ; there stood an odd-looking little brown man, no more than a foot high.
"You are bold ehildren," he said, "but you are good. I know you. You never tease the dog or the cat; you like to give carrots to
the horse ; and I hare seen you carry water to the poor, thirsty cow. Sueh tenderness men sometimes laugh at; but the day will come when these hard-hearted men, who seruple not to iuflict pain even on the poor dumh
brutes, will cease their laughing and laugh no more forev
His eyes liudled like fire when he spoke; but he smiled again benignly, and proceeded in a softer tone:

If you will get into the bucket and come down into the well with me, I and my brother gno:nes will do our hest to entertain you aud, moreover, make you a present of what-
ever you cloose." "O, yes," cried Crispus, eagerly, for the
enevolent face of the gnome, added to his benevolent face of the gnome, added to his
own curiosity, hanished fear. "Yes, let us "own
His brother and sister hesitated a noment, hut assured hy his fearlessuess, they nodded their heads in assent.
But the hueket will not hold us all," said might hreak.'
"Never fear!" answered the gnome, and he laughed heartily. "Only get in; you
would he safe with me were you held up hy nothing but a spider's thread." So the climhed iuto the tall, iron-bound hucket, and down they went.
It was quite dark when they stopped, with a jog, at the bottom, and the gnome helped them all out; but in auother instant they were dazzled with a hurss of light like noondaythe little brown man had opened a door' in the
side of the well, and led his companions into a maguificent hall. The ceilings arched upward higher than the tallest forest trees, the walls seemed made of gold and precious stoues, and it was filled mith thousand
little men and women, all husily at work.
In one place they were making golden hair They would take a lump of pure ore, and heat it on their tiuy forges, and then draw it out iuto long, fiue, bright eurls.
"This will be charming," said one,
In anos to see her lover in his dreams.
In another place they were making a coach,
ud harnessimg snow white horses to i "The king wants a new coach," said they "We are going to take this one and show it and it will surely be his model."
In another plaee a few were fixing wings on their shoulders. "There is a poor hoy in
danger of shipwreck to-night," said one of them; "his mother sits crying; we must fly over the seas, and when the ship goes down,
we will seize him by his hrown curls, and bring him safe ashore.
So there was no end to the variety of occupations there. The threc children were he wildered, but not frightened; for as they
passed along, each gnome turned and suilcd kindly on then and hade them welcome.
After a while, he who had hrought them there said: "It is time for you to go home;
but first I will redeem my promise; choose cael of you what you will, and it shall

Crispus's hrother spoke first ; "I see yonder a must stay and take care of my old father, with great castle, with woods and parks; I would only my wooden cup.

\section*{"Y that or one like it.}
"You shall have it," replied the guome. The sister spoke next: "I would like that lamond neeklaee, and that eoach and horses.

\section*{nome.}

Lastly Crispus spoke: "Good gnome! you re wiser than I ; give me whaterer is best for me, whatever will make me happiest."
"You are a sensihle hoy," quoth the gnome and with great ceremouy be presented to Cris pus a little wooden cup.

What!" exelaimed the boy, "is this all Au empty wooden eup?
"Not empty," said a voiee, "look within." And behold! Crispus saw a drop like wate the hottom.
Drink that," said the gnome.
And when he had done so, Crispus said, "I am contented with my present; it is the hest, or you would not have given it to me."
Once more now they were all three put iuto the moonlight. Then the little man took them all on his haek, and seampered aeross he fields to their father's house, and put them safely into their heds. They were very tired, and soon fell asleep; and the next day, the first thing Crispus did was to look at his cup.

My hrother and sister had grand thing promised to them," thought he; "I wonder what I am to do with this wretched wooden eup! I will put it in the kitchen; it is no bet er than other cups.
But as he looked, he saw, as on the previous night, a single clear drop in the hottom, and as before, he drank it
"I am well satisfied with my cup," exclaimed he; "there is some magic in it-timc will show."
Many a long talk did the three children have ahout their adventure at the well; and in vain did the other two try to drink from the mysteri ous cup. They might hold it upside down as they pleased, the drop elung to the hottom they might try to toueh it, it disappeared with out wetting their fingers. Only Crispus eould enjoy it; and the moment he sipped it out, nother oue filled its place, as hright as ever.
They made several more expeditions to the well, hut they saw ouly the moonlight streaming down into the darkness, and heard only the night hreeze stirring the long grass. So at last they gave up goiug there, and iu time ceased talking of the occurrence, and seemed all to have forgotten it exeept Crispus, whose wooden cup was his rememhrance; aud oftimes, when worldly matters were wrong with him; when his old father was peevisl, and
his customers' feet were hard to fit, for he his customers' feet were hard to fit, (for debts made thcir fare and fire scanty, after stitching shoes all day, he had to stitch up the holes iu his shabhy garmeuts hy night-under all these inflictions, often and often would he sip up the little drop in the bottom of the cup, aud he as merry and light-hearted as ever.

\section*{chapter in.}

In a far off country, over the occan, events were transpiring which were soon to change the fortunes of the cohhler's housc. In amag nificent chamher in a great marble palacc, an old man lay dying. One thought only had engrossed his whole life-to hoard up riches hut as he lay now under his silken coverings, attended only hy strangers and menials, some images came flitting across his memory he had not foulth.
"My poor old brother," said he, "I doubt f he he living yet. But he had two hoys, and the youngest is my namesake. Yes, he shall have all my money.
And thus the matter was settled; and all his possessions-his ships and merchandise, his ouses and lands, his gold and jewels-were all poured, like a fairy gift, into the humble ottage of the poor old cohler
"This must he what the gnomes promised you," whispered Crispus to his brother, when the news came. "Now you will take our siser to your grand castle, and then she will have the diamond necklace and ride in the grand解 the the same dimens. The form of the later coach which they promised to her; while I diverts the strength of the wind.

Seasonable IPortry

\section*{APRIL.}

I hear through all the solemn pinc
The soith wind's plensani form And see the elouds, Ilee bappy things, O'er fields of aznre go, Whlle all the sorrow from the earth
Seems melting with the snow. Seems melting with the snow, The rohin and the litue-birds sing They can not know what wondro 18 softly fududlng there; But all the joy their hearis of Seems puling in the sir.
And we will sling, though all our days:
Seem dark with pain and loss;
We know that Sorrow's furnace \(h\)
Consunues alone our dross;
We know that one dear Father
We know thnt one dear Father's lore
Gives both our crown and cross.
Oh, while beneath the snow-drilt The flower we lore the hest, Still hulds its happy nest, Praise God for all the good we
And trust Hilun for the rest 1

\section*{Fireside wiscellany}

\section*{AGRICULTURAL NEWS ITEMS.}

Tue Little Falls, N. Y., dairymen, find that calves fed on scalded whey, are more thifty than those fed on whey not scalded.
The Burlington (Vt., ) Press says that the farmers around the country are tapping the trees in their sugar orchards. The sap runs frecly, and there is promise of a good sugar season.
The Farmers' Club, at Little Falls, N. Y., in a late discussion were nearly unanimous in the opinion that it does uot pay to raisc roots on a large scale for cattle tecding, at present priees of labor.
Dr. Smith said at a late meeting of the New York Farmers' Clnb, tinat on the hanks of the Nile there are multitudes of towers some ten feet high, ou which are placed doves' houscs, solely for the manure, which is gathered aud used for melon growing-the finest in the world being raised hy this means.
At a recent mecting of the State Conven-
tion of fruit-growers, at St. Paul, a very diseouraging view was taken of fruit-growing; not even the Duchess of Oldenburg and Transcendent Crab, could get the endorscment of the meeting, both of which had been supposed to he perfectly hardy, and had reecived the endorsement of careful obscrvers.
It is reported by California papers that Josiah Sturgis, a farmer of Costa Rica Co., in that State, will this ycar plant one hundred acres of land, in the Diabolo Valley, with locust trees.
It is said that in New Jersey there are about one thousand eight hundred aeres of land deroted to the cultivation of the cranberry, and valued at nearly a million and a half of dollars. A large proportion of this land is located in Ocean county.
The well-known farm of Danicl Webster, at Franiklin, N. II., is offered for salc. The place contains ahout 350 acres of land, and the furniture used hy Webster can be had with the house if desired.

A man could afford to get fat out in Texas. Fine beeves are selling there at \(\$ 14\) to \(\$ 15\) sheep \(\$ 1,50\) each, and pork \(2 \frac{1}{2}\) to 5 ecuts per pound.
MII. II. H. Pottcr, of Sauk county, Wisconsin, contributes an article to the Prairie Farmer, stating that he raised on four acres of land, \(\$ t, 600\) worth of hops, estimating the hops at fifty cents a pound; raised upon a timothy sod.
The tobaceo now on hand in the counties of Halifax, Pittsylvania, Franklin and Heary, in Virginia, and Rockingham and Caswell, in North Carolina, is estimated to be worth \(\$ 12\), 000,000 . The crop of Pittsylvania alone, is placed at \(\$ 3,000,000\). These estimates are bascd on careful rescarehcs.
A large number of̂ cattle have died in vari ous parts of Kansas recently, in consequence of the severe weather, and lack of feed; the weather is reported, howeser to have modcrated greatly in that scetion, within the last fery days.

Edwin Hammond, of Middlebury, V̌t., recently sold six ewes to go to the West, for ©G,000 apiece.
At the annual mecting of the Wiseonsin Horticultural Society; the following list of fire varietics of apples was adopted: Ircd Astrachan, Duchesse of Oldenburgh, Famense Tallman Sweeting, Golden Russet. For a Russet, Red Romantic, aud Willow-twig.
Shmuel Thorve of Thornedale, Dutchess county, N. Y., has just sold to James C. Sheldon of Geneva, a uoted cattle-breeder, forty head of choice Short-IIorns, his cntire stock, with the exception of two hulls. The price paid was about \(\$ 1000\) cach, and it now makes Mr. Sheldon the largest o
Horn stock in the county.
Tue two-year-old South Down wether, that took the first prize at the last New York State Fair, was recently killed, and weighed, when dresscd, 12.5 pounds.

Standadd of Charity. Mcn measure their charities by a peculiar standard. A man who has but a dollar in his poeket would give a penny for almost any purpose. If he had a hundred dollar's, he might give one; earry it highcr; and there eomes a falling off. One hundred would be eonsidered too large a sum for him who has ten thousand, while a present of one thousand would be decmed miraculous from a man worth one hundred thousand-ye the proportion is the same throughout, and the poor man's penny, the widow's mite, is widely-trumpetcd benefaction.

At a religious meeting among the blacks, eolored preacher requested that some brothe should pray. Thereupon, half-witted Mose commenced a string of words entircly without meaning. At this the pastor raised his head and inquired, "Who dat praying? Dat you brudder Mose? You let somehody pray dat' hetter acquainted wid de Lord.

Dr. Boynton mentions five square feet as the smallest possible allowance of space for cach sheep in its winter quarters.

Tuere is a prospect that the cotton crop of the present year will he much larger than that of 1866 , and not much below the avcrage crop raised presious to the war.

Bazen Plear Puddagg. - One quart milk six soft erackers, four eggs, half pound of rais ins, salt and spicc. Bake from three to four hours. Make a good sauce for this pudding

\section*{THE FAREM AND fire eside ANT TH} PATRIOT FORE \$4.00 PERE YEAFE.
For the sum of four dollars, pald in advance, we w-
send the Faima and Fireside and the Woossocrat Patw for one year. The subscription price of the latter, alone, with the largest clrculation of any country journal in Ne Eugland. SS, 1 Poblisure,
Woonsocket,,

\section*{Gur baak Takle.}
phala: T. b. Peterson \& Brothers
If there was wanting eridence to prove the increasing popuditions now golng through the press by four separate publish with Harper \(\AA\) Brothers) in publlshing the author's American edition; but Tlcknor \(\&\) Fletds, and also Hurd \(\&\) Houghton, ar printing and puhllahing the sanee works in monthly volumes
notwithstandlag the Messrs Peterson and Harper \& Brothe pald Mr. Dlckens for manuscripts and adrance proof sheets The \(\lambda\) pril in
The first French Rerolntlon, and \(a\); wonderful talc \(1 t\) is ; written In Dickens's graplic style : Wustrated will elxty-four illustra.
tions hy Mc Lenan, and bound In green morocco cloth. The aper in this rolnme is superior-an improrement on the lesues of "Ou.
schoolday dlalogles. Compiled hy Alexander Clark,
A three hours' ride hy rallway wnomessural
he perusal or thla rolume. 11 is adruirably adapted for schools the selections are judiclous, ranging from the humorons to the pathetlc; and the general arrangement good. Teachers and
edncators will find this a work of much value. The compliter is the editor of the "Schootday
for the little folks, pulbished.

The warluets
WOONSOCKET RETAIL MAREET. Oor the week ending tpril 19, 1867.]


\section*{BRIGHTON CATTLE MARKET.}

marriages


Deaths.









\section*{TERiLS OF ADVERTISING.}


靬hade Islimil.

\section*{}



Thin thamp, or
new Rark.
Great American Tea Company.
The Mmmense profits
TEA TRADE

\section*{ \\ \(\qquad\) \\ }

\section*{}


These Teas are ebosen for therl intrinsle worth, keening in
mind henest, economy, and a ligh degree of pleasure In Urink.

\(\qquad\)




The Farm ann Firesine is devoted to Agriculture, Horticultnre, Stock-Raising, Rural Arcliteeture, Market Intelligence, Literatnre and the Arts. It has a corps of agricultural writers of reputation, and the aim of the Publisher will be to make a journal eminently practical, and of every-day value to its readers. The Literary Department is intended to instruct and amuse the farmer's better half and his children. Nothing will be published offepsive to good
morals. In all its columps this journal will advocate the best ideterests of the farm and fireside. Terms \(\$ \$ 0\) per


The Ifield．

\section*{SPRING SEEDING．}

We believe it is conceded on all hands that elover is best sown in the Spring，and this is the best Spring you ever saw for putting in red clover and now is just the time to put it in， Red elover，as an alternating crop，is，and forage crop，it is unrivalled by auy of the class of legumes，to which it belongs，being not strictly one of the grasses．There is nothing better than red clover for a Summer hog pas－ ture；no kind of bay better for eows and better green erop to plow under for wheat land．A good deal more might be said about red elover，and how nicely it eomes in with sheep raising，and we advise all farmers hav－ ing land suitable for this crop，to pitch right in now and sow lots of red clover
There are a variety of opinions about the propriety of raising oats as a general farm crop；but many farmers will continue to eulti perly continue to be a staple feed for borses and sheep，wherever it ean be had．The best time to put in oats is as early in the Spriug as
the ground is fit to be worked，and earlier than farmers geuerally think best to work land for other Summer erops．Oats may be sown in the mud，if the mud is of a kind that will not turn to briek by the operation．
Now is the time for sowing the seed of
Kentucky blue grass in open fields．For permauent pasture，no grass is more generally esteemed and no eultivated grass that wil stand by，hike the Kentucky Blue grass．Iu Northern Ohio this grass never shows the
luxuriance whieh it attaius in its best state，in luxuriance
the latitude of Southeru Ohio and Kentueky， where it is truly the glory of the field and the wealth of the farmer．－Ohio Far

\section*{starting sweet potato flants．}

\section*{J．W．C．，Lower Pennsneek，Salem eounty} N．J．，who last year grew 170,000 hills of sweet potatoes，gives the readers of the Agri eulturist his metbod of raising the plants for setting
Seleet a high piece of grouud，sheltered from eold winds by a fenee or bushes，and dig a pit fifteen inches deep，five feet wide，and two feet in length for eaeh bushel of tubers－ ten bushels requiring a treneh five feet wide and twenty feet long．Upon the margins of the hold them in place by driving stakes iu
and side of the pit，and banking earth against them on the outside．Fill the pit twelve
inehes deep with eoarse hay or eornstalks，or other litter，and dampen it by the use of one pail of water to every three feet in length of the bed．Upon the litter plaee four inehes of good horse mantre，level off well and then put on four inebes of light sand soil，and it is ready to reeeive the seed potatoes．
We differ here in one practiee
We differ here in one practice．As to time of planting，some plant immediately，an others wait for the heat to rise in the bed． prefer to plant the day the hed is made，a there is no delay uor loss of heat in ease eold storm should eome．Lay in the whole potatces as elose as may be，without their
toueling one another，and eover them with light soil about two inches deep．When this is done，the bed will be filled within two inebes of the top of the slats on the edges； now eorer the whole with hay，allow it to be one foot bigh on the edges，aud four feet high in the eenter．After the bed has been pre－ pared thus it may be left to itself for a few days，but in three or five days it must be examined；make a hole in the hay and thrust in your arm；if the temperature is more than blood heat，leave hcles open here and there iu the hay．If the beat inereases，turn the hay over and air it；and if this does not moderate the beat sufficiently，remove the hay alto－ gether．If the sun sbimes hot after the hay and throw on a little bay，to prevent damage from too great an inerease or heat．In eight or ten days after the heat starts，the hay may or ten days after the heat starts，the thay may
be left off entirely in the middle of the day，as
the plants will need airing，and to be covered up at night．When the nights beeome warm， the eovering is left off entirely．In this neigh the middle of April．

\section*{action of lime on soils．}

Tre distinguished chemist Boussingault ha just read before the Frenich Academy of Sci ences，a paper on the employment of lime in agriculture．It has not yet beer published，but M．Barrai gives the following as the substance of it，whieh we translate from the Journal d＇Agriculture Practique
Lime introduced into an arable soil sets at liberty a eertain quantity of azote iu tbe state of ammonia；the azote elements were before united in insoluble combinations not assimila ble to plants；the aetion of the lime sets them
free，and permits a part of the capital buried in the soil to be utilized for the next crop．I this was the wbole effect of lime，of wbich the experiments of Boussingault afford evidenee， small doses of it at once ought to be eounseled， because the quantity of ammouia produeed does not increase in proportion to the quantity of lime used．But as heavy limings produee ucontestible effects in certain cases，it must consequently be admitted that lime exerts an aetiou of some other kind upon the elements of the mold．Boussingault thinks that eertaiu minerals，such as potash and silica may be libe stanees injurious to plauts－are destroyed or stanees injurious to plauts are destroyed or
modified by the same agent，and that to these effects is added，moreover，a physical action， changing the eonstitution of the land．The aetiou of lime is thas excessively complex aud its good effeets can only be explained by studying attentively the special eireumstauce under whieh they are produeed．The grand agrieultural savan is，that there exists in thls mold，as well as in the form of organie matters， a host of substanees completely inert for vege tation until the moment when some proper agent renders them assimilable by plants．The continuanee of experiments upon the method levised by Boussingault ean alone elear up these exeessively eomplex faets，and point out
to our agrieulturists the most effeetive proeess． The diseovery of methods whieh eouduet ruth is often the greatest serviee that ean rendered to seience and to art．

CULTIVATION OF SMALL FARNS THE iIOST PROFITABLE

The Vermont Farmer gives a very interest－ g report of a diseussion by the members of he Farmers＇Club beld at Brandon，on the eomparative merits of farming on large and small farms．Judge June elaimed that labor on a farm should be coneentrated upou a suall pieee of land，and not spread over a large ract；to work a little here and a little there was not profitable．The worls was diluted， Vitness the result of eoneentrated labor near Bostou and New York，where every foot is made to produce a large erop．The farmers of Englaud，by eoneentrating all their labor upon a small piece of land，produce immeuse erops． It is better for a man to bestow all bis labor on wo acres than to put the same labor on ten worth more by the bushel than a poor erop－ veighs more and has more heart．He said the old proverb that that＂whieh was worth doing at all was worth doing＇，well，＂was true of farm－

Stephen Girard was a far seeing man， and by watehiug the operations of goverument was enabled to so shape bis business as to take advantage of the high tide every time， our farmers wateh the movemeuts of goveru－ ment and the markets，and so shape their stoek and erops as to have their dishes right side up every time．Among other things，study to be ready to supply the wants of the eomuunity． Every State should raise its own breadstuffs， and thereby in a great measure prevent the hard pressure in the money market．At one time it was all wool，wool，and everybody went to raising wool，and sending their money
tbe priee of wool went down，and many farm－ and mortgages on their farms．

Sugar Culture in Louisiana．－We eopy from the Price Current a list of the sugar plau－ tations of Louisiana，and the products thereo the last year．It has been compiled by our friend，Mr．Young，with his usual eare and ac euraey，and is believed to be very nearly eom plete．The estimates for the entire crop range from 40,000 to 42,000 hogsbeads．Of the num ber of acres planted this year，we have no positive information，but it is kuown to be mucb greater tban last year，and tbe eoming erop estimates range from 80,000 to 100,000 hogsheads．As high as \(\$ 200\) per arpent has in some instances been paid for seed cane by par ies wishing to resume the business of sugar makiug．The Price Current＇s estimate of las N．Y．Picayune．

Rotation of Crops．－Never plaut twiee successively on the same ground．Cuauge your seed every year，and if possible get them fom another section of the country．

\section*{TThe 据aultry－桨ard．}

\section*{FEEDING Fotutary．}

Onions are said to be an admirable food for fowls，or rather an adjunet food．If giveu regularly，it is said that they will prevent the attack of the more ordinary diseases of poul try．Meat is said by some to be an essential food for poultry，espeeially in winter，when they cannot get the worms they pick up in
Summer．Others，again，maiutain that the Summer．Others，again，maiutain that the habit of giving meat to poultry is productive grave evils－the eause of many of the wors orms of disease which affeet them．By thes uthor as ine ealled unuatural food，ina not fitted to assimilate it．There must，we think，be some mistake in all this
know of a surety that fowls devour，when they ean get it，and entirely of their own ae cord，an enormous quantity of animal food； here it is not eooked；the game found in na ture＇s garden is raw．If meat is an unnatural food for poultry，they certaiuty havie a most uuatural appetite for it．Throw in one lump of meat among a lot of fowls；if not literally a bone of eoutentiou，it is something vastly like it，so eager are all to get a grab at it．We believe the habit of giving mueh food in a short spaee of time to poultry is a bad one． you notiee their habit you will pereeive that he proeess of pieking up their food under ordinary，or what we may eall the natural conditiou，is a very slow oue．Grain by grain does the meal get takeu，and with the aggre gate no small amount of sand，small pebbles， and the like，all of which，passing into the ＂rop，assist digestion greatiy．But iu the ＂hen＇s wife＂mode of feeding poultry，a great heap is thrown dowu，and the birds allowed to ＂peg away＂at such a rate that their crops are illed too rapidly，aud the proeess of assimila tiou is slow，painful and ineomplete．No
wouder that so many eases of ehoked eran are met with uuder this treatment．－Marla Lane Evpress．

To have the poultry－yard profitable，the fowls should not be kept uutil they are old． There is no objection to preserviug a favorite coek，so loug as is it aetive and lively，but hens after three years will not produce as many eggs as those of one or two years．Mneh，how ever，is depending on the breed kept，so far as good layers are coneerned

Some of the early－laying hens will hegin to show a desire to inenbate，and if early ehiekens are desired，it is best to humor this propensity and let tbem sit．See that they have seleeted a safe warm place，where they will not be dis－ turbed by other hens depositing their eggs to the general fuud．Eleven to thirteeu eggs，a fresh as possible，should be given her，and a date，trenty－oue days iu adrance，sbould be marked in a eonspicuous place on the nest

The unuatural praetiee of fattening poultry by eramming is very common iu France，aud is deseribed as follows：The forls are elosely coufined in dark pens，where they eannot move，and get but little air．Aided by the light of a lamp，the poultryman takes three． fowls at ouce，ties them altogether by the feet， and restiug them on his knees，forces paste pellets down their throats every twenty－four hours．The fiuer speeimens of poulardes （hens）attain a weight of upwards of eight pounds，the eocks，thirteeu pounds；and these weigbts are sometimes exceeded．Another mode of artificial feeding termed entonnage，is by eausing the fowls to swallcw，by means of funnel iuserted into the mouth，farinaeeous substances in a liquid state．In some in stanees，＂vcrmmieres＂are established in France for the purpose of．breeding maggot from putrid flesh to feed poultry on．It might not be wise for epicures to enquire too par ticularly iuto the origin of some of their favor ite viands．

Martla Doyle，the cottage eeonomist of Ireland，in his＂Hints to Small Holders，＂ob serves that a few eocks and hens，if they be prevented from scratching in the garden，are useful and appropriate stoek for a eottage，the warmth of which eauses hens to lay eggs in Winter－no trifiug advantage to ehildren when milk is searce．The French，who are cxtremely fond of eggs，aud contrive to have them in great abundauce，keep their bens so warm that they have fresh eggs even in Win－ er．Nor，in our country，in a geutleman＇s fowl yard，there is uot an egg to be got in cold weather，but the warmth of the poor man＇s eabiu insures him an egg even in the most uu－ genial season．

It has generally been supposed tbat there ould be a great diffieulty in rearing chiekens hatched in February and Mareh，on aecount of the eold；but，with proper aecommoda tions aud eonveniences，it is found more eertain thau those hatehed iu June．Many persons fail in raisiug ehiekeus for want of little atteutiou to them at this season of the J
orrespondent of the Germantown Tele aph says that when he firds a hen on the nest tbat he does not waut to set，be puts hel n a large coop where it is light，and puts a rooster in with her．There is no setting doue in that eoop in the day time，and in two or three days the hen may be let ont，and will soon go to layiug again

\section*{朋isceellany．}

The Vibrations of Sousd and Color．－ The deepest note whieh the human ear per－ eeires as a contiuuous sound，it is said，is pro－ ciuced by sisteen vibrations a seeond；the most aeute by forty－eight thousand vibratious The extremes of color，it is said，are red and violet，the former beiug given by \(458,000,000\) ， latter by \(727,000,000,000\) tibratious．

Transplanting Trees．－Maris the Nortl side of trees with red ehalk before they are taken up，and when set out have the tree put in the ground with its North side to the North iu its natural position．Ignoring this law of nature is the eause of so many transplauted trees dying．If the North side is exposed to the South，the heat of the sun is too great fo that side of the tree to bear，and therefore it dries up and decays．
a New Gas Light．－Au ingenious，but ee tainly not very inviting mode，of procuriug gas for illuminating purposes has been proposed in France．A French ehemist estimates that human corpse of ordiuary dimeusions，by process of combustion iu retorts，may be made to yield 7500 eubie feet of illuminatiug gas，at cost of about \(\$ 1,60\) ．This process is certaiuly making light of death．

The sugar erop of Cuba is estimated at frou 15,000 to 20,000 hogsheads larger thau last 15,000
y yeal：

Frue Fiwesinde 解use

\section*{ROBIN＇S RETURN．}


\section*{The Stack－杽ard．}

\section*{a ONE THOUSAND DOLLAR COW．}

A Comespondent in a late number of the Cultivator and Country Gentlemen，gires an acconnt of a remarkahle cow owned by Mr ment given of her be true，her aumual product of milk and lutter is one of the largest，if not the largest，on record．
Most of one readers will remember the ecle brated Oals cow－one of the so－called native breed，and bought out of a drove in Massachm－ setts for a mere trifle．It is stated，on the an－ thority of the Massachusetts Agricultural So ciety，that this cow，in the first year after being honght，and with ordinary lieep，made 1 so pounds of butter：The next year she had twelve bnshels of corn meal，and then gave 300 ponnds of hutter．The next year she had thirty－five bushels，and gave more than 400 pounds．The next ycar she hat a hushel a Week，and all her own milk skimmed，and she
then gave from the 5th of April to the 25 th of September， 480 pounds，besides sucking her calf for five weeks．It was an extraordinary yield，but it seems the Seammon cow takes the lead by at least 130 pounds．The cow is and was raised by Mr．S．When she was six years old，an acconnt of the butter made from her was kept．The numher of pounds real－ ized was 610 ，and her milk 14,540 pounds－ being almost 40 pounds per day through the year，and nearly 12 ponnds of hutter per day throngh the year．
This is really a most remarkahle yield，and will require strong proof to be generally be－ lieved．Making the liberal allowance of ten pounds of milk for one of cheese the product of this cow for the year would he 1,454 pounds of cheese，and ahout three times as mnch as the average of first class dairies in Oneida or Herkimer counties，and at
Estimating that cheese is worth 18 cents per ponnd，this cow would give her owner the snng hittle sum of \(\$ 261, \pi 2\) in cheese per an－
num，to say nothing of whey for feeding swine，or if the butter he put at 50 cents per pound，we wonld have her annual product amount to \(\$ 505\)

A statement is made of Mr．Seammon＇s management in feeding．The cow gets good hay and generally two quarts of meal per day when she gives milk．In Summer he gives her fonr quarts of meal per day until July，then decreases to two quarts，and after haying turns her out to grass，and gives no more meal． Green stalks are fed in season．The cow goe dry one month hefore calving．The meal is given to keep the cow in fesh rather than for
increasing the quantity of milk．Mr．S．states that the meal increases the milk lint little thongh it adds to its richness．The price put upon this cow is \(\$ 1000\) ，though，from the no

\section*{tice，we do not unders}

A cow six years old with a record like the ahove is hy no means dear at the fignres named，since，if the principle that like begets like holds true，one conld hope to get a line of dairy stock that would command the admi－ ration of the world，and fill the owner＇s pock ets witl a good supply of greenlacks．－Utic Merald．

Reties for Cow Minagement．－Cows should ron dry six weeks before calving；if wilked closely towards calving，the calves will be poorer．

A cow newly come in shonh not drink cold water in cold weather，but moderately warm slop．Calves，intended for raising，shontd he taken from the cow within a few days，and they will be less liable to suck when they are oh．Feed them first on new milk for awhile， then skim milk，taking care that all the changes are gradnal，by adding only a portion at first．
Hearty eaters are desirable for cows，and may usually be selected while calves．A dainty calf will he a dainty cow．
Heifers dried up too early after calving，will always ron dry ahout the same tiunc in after years－therefore，he careful to milk closely the first
Spring cows should come in while they are yet fed on hay，and hefore they are turned to
grass，which will he more likely to prevent grass，which will he more
caked has and milk fever．

Diseased Potatoes－Effect on Cattle． Joln Haynes，Londonderry，N．H．，writes N． II．Mirror and Farmer concerning the had effect prodnced on cattle by fecding them with rotten or partially decayed potatocs．An ac－ quaintance of his fed his cows with them and
lost three of the number in a short time．Vari－ ons opinions，as to the canse of the death of the cows，were expressed，but no one thought of imputing it to the potatoes．A post mor－ tem examination found the first and second
stomachs in a healthy condition，but the stom－ ch of the third was rliseovered to he distended， and onc－half or more of its contents perfectly dry and adhering to its walls，the lesult of in－ hammation and the cause of death．Sulise quently Mr．H．fed his cow a few bushels of diseased potatoes－a peck per day－when she was attacked in the same way as were those of his neighbor，when antilotes for poison were dministered with success．There can be no doubt that，in both cases，the effects produced
were the direct results of feeding diseased po－ tatoes to the cattle．Owners of stock would do well to make a note of this．

Beans for Sueer．－In a late number of the Country Gentleman，Mr．J．Winne，in giv－ ing his experience in feeding sheep with beans ＂They are a feed，howerer，that must be fed ery carcfully at locginning，and until the heep hecome accnstomed to them．An over foed of beans at any than any grain I have ever fed；I al－ ways mix them when I commence feeding with oats，buckwheat or shorts for the first three or four weeks，and gradually lessening the light feed；and although I have been feed－ ing my sheep（the most of them）this Winter ver four weeks，and have 1,700 hushels of eans，I am still obliged to mix in some light feed to keep them all right．＂

Pontis in a Good Milkeli．－\(A\) correspond－ it in the Conntry Gentlcinan says：
＂In selecting a milker，look well to the adder．Before milking it shoukd he wide and broad，not hanging down like a sack；and
hard and shiny，nearly destitnte of hair，and what there is shonld he fine，short and hright． After milking，the udder shonld be soft，and apparently a skin bag．If，after milking，the udder is hard and fnll，it sllows that it is flesh， not milk，that clistends it．＂

Tie retcrinary editor of Wilke＇s Spirit of he Times recommends the following for scratches in a horse：Take sulphate of zinc， one drachın，glycerine two onnces；apply

\section*{物atious 䀦atters。}

\section*{RUSSIAN－AMERICA．}

Trif following is the substance of informa－ ion in regard to Russin－America，derived from Professor Baird of the Smithsonian In－ stitute：
Means of Information．－Ihas had two ex－ plorers in that field between one and two years， tho returned last Autumn，hringing a conce tion of specimens of natural history，cxtend－
ing from the British possessions to the shores of the polar sea．
Clinate，Temperature．－The coast from Prince of Wales＇Island to the entrance of Behring＇s Straits，during the Winter months is about the same as at the city of Washington． Little snow，much rain．During the Summer months very foggy．
Timber．－Whole country，well up to the northern coast，heavily timbered，chicfly hard pinc forests；small trees up to the very shores． ome of the islands heavily timbered with pine destitu and dense underbrusiz ：some of them lestinte of timber
The soil on the west coast produces excel ent barley and roots，such as radishes，turnips， and esculents，snch as lettuce，cahbage，dec．
Avmals．－Fured animals，such as sea ot－ ，river ottcr，sable，furred seal，mink，foses， deer in the south，reindeer in the north．
Fisin．－Fierring，salmon，halibut and codfisu abound in exhanstless numbers．Behriug＇s sea and northward，geeat whales are very numer－
Mnserats．－Surface washings of gold have heen discovered on head－waters of streams，on east side of coast range of monntains． ogical detelopments the samic on west slopes． Native copper has been discovered in vari ous places ou the coast，and in the vicinity o
Copper river：
Irou ore of excellent quality，and beliered o exist in exhaustless quantity，now heing smelted and worked hy Rassian artisans in re－ pairing slips，icc．Coal is found in large quantities，used hy the Russians for naval pur－ poses，similar to New Brunswiek coal，not eqnal Cnmberland eoal．Recent diseoveries have quality of coal，not yet tested． Inimbitants．－Five or six thousand Ius sians，and fifty or sixty thousand Indians and
Esquimanx．The Esquimanx inhalit the coast on the Northern Sea，are industrions，peace able，and tractable，and live by hunting and fish－ ing．The Indians inhabit the interior，ar peaceahle，and live hy hunting，fishing and trapping．
The Woodrecker＇s Foresignt．－The wood peeker in California is a storer of acoms．The tree he selects is invariably of the pine trike． Fe bores several holes differing in size，at the Fall of the year，and then flies away，in many an acorn，which he immediately sets abont ad－ jnsting to one of the holes prepared for it reecption，which will hold it tightly in its posi－ ion．But he does not eat the acorn；for，as a rhe，he is not a regetarian．His object in sight，and knowledge of results more akin to reason thon to instinct．The sncceeding Win－ ter the acorn remains intact，but hecoming salurated with rain，is predisposed to decay， when it is attacked by maggots，who seem woolpecker reaps the harvest his wisclom has provided，at a time when，the ground being covered with snow，he would experience a cifficulty，otherwise，in obtaining snitable or palatable food．It is a subject of speculation why the rel－wood cedar or the sugar－pine is invarially selected；it is not prohable that the taste，frequents only the ontside of wet trees but so it is，that in Calareras，Mariposa，and other districts of California，trees of this kind may be frequeutly seen covered all over their trunks with acorns when there is not an oak tree within several miles．－A．B．Butrton

The crops in Texas are looking remarkably

\section*{A GARDEN OF ACCLIMATION．}

A compesposinest of the Agricultural IRe port，for February，writes from Little Valley
Now York，as follows：－ ＂I notice in your anmal report of 186.5 rovermment rarden the estahishment of a whence the lama，eashmere goat，and im－ proved breeds of chomestic fowls might be dis－ tributed to different parts of the country．I highly approve this suggestion，and would name several native animal which I thin should be among the first to claim atteution， vi\％：the Ameriean elk or great wapili deer， the heaver，the IIndson Bay sable，the mink， and otter．For fifteen years I have been ex perimenting to ascertain if some of our native wild animals could not he domesticated and become raluable additions to the wealth of the conntry．I commenced with the cll，and， although attended with some difficulty，for the want of experience in the commeneencut，the result has been a snccess，having bred and raised forty elk on my，farm．Four years since I commenced experimenting with the mink，and，as with the clk，I found that it re quired some experience or skill to manage the wild ones taken from the woods until the should rear their first young，but with the come，and it proves difficulties were orer raise then in large numbers．The great de－ mand for these furs has nearly amihilated the race．My success with the mink，and the in－ formation obtained in relation to the beaver， Hudson Bay suhle，and otter，give me great
confidence in the ultimate suceess with thesc fur bearing animals．＇

\section*{TIIMBER AND RAINFALL．}

Accompang to Renteseh，a German anthor \(y\) ，the proportion of forest or woodland re gired for an agricultaral comntry，in order to ecure it a regnlar and sufficient rainfall with out violent storms，is twenty－three per cent． coast．This estimate relates to German the The same writer cstimates that five per cent of timber is sufficicut for England．An Eng－ ish anthority，Sir Henry James，regards this ast estimate too high for England，deeming jper cent．of timber suflicient．＂It is prob－ able that the percentage of nimber required in Germany is less thai would he necessary in tains exert an important inflnence upon the amount of rainfall．
The following interesting account of the in－ tuence of timber upon rainfall and spring taken from Boussingault＇s Rural Economy
＂The Wolf－spring in the Commnne of Son－ f the influence of woods uporkable insta fow years ago this spring did not exist． he place where it now rises，a small thread of vater was olserved，after very long rains，but he stream disappeared with the rain．The pot is in the middle of a very steep pasture，
nelining to the South．Eighty years ago the owner of the land perceiving that some firs were shooting up in the upper part of it，de－ ermined to let them grow，and they soon were well grown，a fiue spring appeared in place of the oecasional rill，ant：furnished hundant water in the longest drought．For forty or fifty years this spring was considered he hest in Clos－dn－Donbs．\(\Lambda\) few years since， ge grove was felled，and the gronnd turned gain to a pasture．The spring disappeared with the wood，and is now as dry as it was ninety years ago．

Tue fireside is a sehool of importance；it is mportant hecause it is universal，and because he edncation it bestows，being woren in the oof of clildhood，gives form and color to the whole texture of life．

Schaten the grcen rind of a sapling，or wan－ only twist it in the soil，and a scarred or crooked oak will tell of the act for years to come．How forcihly does this figure show the minds and hearts of the young． day，and for this purposc they onght to remore all external impressions that may disturl their rest，such as noise，light，cte．，hant especially
every call for taking them up and giving then food at improper times．Ater the second year of their age，they will not instinctirely require to sleep in the fore－ noon，though after dinner it may be continued till the thind or fourth year，if the child shows a particular inclination to repose ；because，till that time，the full half of its time may safely he allotted to sleep．From that period，however，it onght to be shortened for the space of one honr with crery succeeding year．

\section*{Grape eulture.}
about the grape vine.

\section*{by J. STAUFFER, LaNeaster,}

In your issue of March 30th, headed "Neeessity oí Observation," you remark, among other things, that your ohjeet is to induee your readers to acquire habits of constant and eareful observation-to give the results, and eontrihute to the fund of truthful knowledge. It oeeurred to me to give you a few faets respeeting the grape vime, that seem to me uot generally understood, or by no means satisfaetorily explained.
A negleeted viue, prostrate among the grass, slightly supported by branehes trimmed from an adjoiming apple tree, was found in September to have some fine, large bunehes grapes of a delicious flavor. Personally in-
terested in the matter, I eonsidered this grape too valuable to suffer to remain in such a condition. Late in the season, with the aid of an experieneed vine dresser, I had the vine carefully takeu up and transplanted to a good loeafully takeu up and transplanted to a good loea-
tion near the dwelling, hoth for shade and eonveminene. Here it grew profusely, makiug rather more new wood than to me seemed necessary ; but as a grateful shade over the cistern, I suffered it to spread. It flowercd profusely, but not a solitary fruit was developed that season, nor ever after, to my knowledge. Some the vine in full hloom, declared it to he a male or stamimate plant. How came it so? Previous to transplanting it yielded ahuudant fruit for some years, as the former owner of the
premices deelared to me, and my own observation and enjoyment of its fruit confirmed. Stating this circumstance to Mr. Abel Keise, of Manor towuship, Lancaster co., Pa., he informed me that he experienced precisely the same result, having found a rine in his fields,
supposed to have been carried out among chipdirt, bearing a most delieious grape. This he earefully took up in the Fall and transplanted it near lis dwelling, where it flowished, flowered, but remaimed barren, a male vine ever sinee? Why?
I have a vine now, raised from a raisin seed, that flowers - annually, hut uevcr bears auy fruit. The parent must certainly have borue fruit, or else there could be no seed; hut it is called a flowering vine. As a couuter fact, Dr: Wm. B. Fahnestoek, late of Lancaster, Pa., assures me that he had what was called a male grape vine in bis yard for many years. One
Summer he emptied the blood drawn from his patients (bleeding was somewhat in vogue yet), at the roots of the vine; to his surprise, the vine hore fiue grapes after that, and he inferred that bullock's blood, applied to the roots of barren vines, would induce them to hear. It might he worth trying. I give it as I received This lattcr ease (since I cannot doubt the ve-
racity of my informant) perplexes me as to the racity of my informant) perplexes me as to the
theory I felt inclined to adopt, from subsequent microscopic investigations, respecting the wood of hearing and non heariug vines and branches.
The grape vine is somewhat peculiar, as it yields often on the same vine perfect flowers, that is, haviug both pistil and stamens on the
same flower (hermaphrodite); others of the flowers are staminate only; others again, pistillate only, hence termed polygamous, and when only of one kind, either male or female orgaus,
they are termed diecious. This diversity, am inclined to believe, is caused by a suppression of one or the other of its orgaus, by local or accidental circumstances; and that its normal character is that of a hermaphrodite plant. Under this impression, I collected brauches bearing various kinds of flowers, cut thin sliees
from them, and suhjected each kind to a close from them, and subjected each kind to a close
inspection uuder the microscope, to see whether I eould detect auy change of condition in the tissues or woody fibres. I came to the conclusion that those branches which hore perfect flowers had both a healthy pith and medullary sheath. The staminate only showed a defect-
ive pith or central axis, discolored or rather ive pith or central axis, discolored or rather
yellowish. In those that were pistillate only, the medullary sheath seemed discolored; and
branehes that bear no flower stalk may be de feetive hoth in tbe pith and medullary sheath,
and such I am inclined to believe is the case. I will not attempt a discourse on struetura botany and the seienee respeeting the floral organs modified or metamorphosed, or the alternation of the floral organs, as comporting with the seienee of Phyllotaxis, wheu the
leaves are opposite or vertieillated and alterleaves are opposite or vertieillated and alter-
nate, on the assumption that the arrangement of the leaves show a spiral formation or diseursating in vertieals, dcc. Nevertheless, it may be interesting to some of your readers to know some of the expressions and opinions plants and its functions. The medullary sheath planis andits functions. The meduliary sheath,
surrounding the pith, has rays whieh seem to serve to keep up the communieation betweeu the pith and the hark, whieh, single or eom hined, may bear a eertain relation to the scieuee of Phyllotaxis, as well as to the suppression
ehange in the floral organs, as intimated.
The pith seems only a modifieation of the original pulp, and the same hypothesis that aeeounts for the formation of the one, will apply to the other, hut the pith and pulp, or parenehyma, are ultimately converted iuto organs plyytologists have beeu mueh puzzled to assign to each its respective functions. A vulgar er ror prevailed at one time, that the fuuction of the pith was that of generating the stone o fruit, aud that a tree deprived of its pith would produce fruit without a stone. This goes quite
too far, hut nevertheless has a signifieanee that is worthy of further iuvestigation.' The pith may be considered analogous to the heart and lrain of animals, as advocated by Malpighi, who believed it to be a kind of viscera iu which the sap was elaborated for the nourishment o the plant, and for the protrusion of future buds.
Magnol thought that it produced the flower and fruit, hut not the wood. Du Hamel regarded it merely as an extension of the pulp or cellular tissue, without being destined to form auy important function in the process of vegeta tion. Linnæus was of opinion tbat it produeed source of vegetable nourishment, hut as heing also to the vegetable what the hrain and spiual marrow are to animals, the source and seat of
lifc. Thus eminent physiologists disagree. Mr. Lindsay of Jamaica, suggested a new opinion on the subject, regarding it as the seat of the irritalility of the leaves of the Mimosa aud Sir J. E. Smith says he can see nothing to invalidate the arguments on which this opiniou is founded. Plenck and Knight regard it as destined hy nature to be a reservoir of moisture
to supply the leaves when exhausted hy excess of perspiration.
I refer briefly to these remarks to show that the peeuliar function of the pith is not satisfactorily ascertained. It may safely be af firmed that the pitb is essential to vegetation in all its stages, and may he considered to be
au organ of elahoratiou, hoth as respects the sap and fiuctification, and that the medullary sheath, surrouuding the pith as the stamens do fiunction, is intimately connected with the bark and pyllotaxis.
If my ohservations will prove to be uuiversally correct, that those branches of the viue that hear perfect flowers will show a healthy condition of both the medullary sheath and pith ; and those having stamens only, to have a healthy sheath aud defective or unhealthy pith ; or when pistillate ouly, then, iu that case, the central axis or growth of the pith
proves healthy and the medullary sheath defective. This proving so, then an iutimate relation is necessarily established. But as my article is already longer than iutended, I shall close; my ohject heing rather to call the attention of grape growers to the subject of male and feumale grape vines, than to give a dissertation on the physiology of the grape vine. My
ohject is to collect facts, from which legitimate deductions may be drawn, and hope to hear rom others on the subject.
April, 1867.
The decision of the "Greeley Committee, awarding the first prize to the Concord Grapc,
the foreign and native vine com-

\section*{JWritten for the Farm and Fireside,}

In a former paper we endeavored to show hat tbe native grape viue, in the open air, and he foreigu vine under glass, were placed nuler diverse conditions; and that these arose simply from their atmospheric surroundings; iffering widely in

It is well known to intelligent growers of the European vine, that it is not the eold our Winters, nor the heat of our Summers, the middle latitudes, at least, of the United States, that offer the greatest impediment to the growth of the Black Hamburg, Chasselas de., out,of doors in the open horder. In sea sons in whieb the due proportion of moistur is present, good erops of these fine varieties have been grown in the open air; but if the next season has heen dry, the leaves have quently the year following has found the plants injured beyond reeovery. Even the most favored aspeets in the city of Philadelphia vill not permit the eontianed growth of the foreign vine out of doors, as we have learned y personal experimeut, in several instanees.
Most of our native varieties, wben grown in he vineyard, exposed to drying wiuds of oul Summers, or to the sudden cold of our varying June, July and August nights, suffer in the same manncr as does the foreigu vine, as we oth, under the same iufluences, side by side The constitutions of the European and Ameri can grape vines have much in common. They open their huds nnder the same temperature Spring, require the same increments of Summer heats for their healthy growth, the saure Autumnal warmth for the perfect ma turation: They also demand the presence o reater or less proportions of moisture arouu them at critieal periods, and a considerable quantity at all times; though, in these re speets, the foreign vine is not disposed to en dure extremes so well as does its less refined rother of the West; and the less refined be more enduring aunong our natives, as is shown hy the comparatively healthy growth of he Concord and Clinton, aud the pre-eminent sensibility to atmospheric changes exhibited by the Catawha, the Delaware and the Re
ecca.
In Europe, the vine has becn known for ges to have been peculiaily the growth of definite climatic conditions, and its zones have been pretty accurately defined.* The same appears to he the ease with American native ould he as clearly defined, were the con ditions of moisture in the air the same as those of Western Europe, or as constant in their roportious, aud the climate as equable, or a ree from extremes here as in the Westeru States of Europe. Even in the "Land of the Vine," all seasons are not alike propitious, and
it is sometimes seriously injured, hut never is it so utter a failure as with us. If the vine fails for one season in Europe, it may he suc ceeded hy a season of extraordinary yield, repairiug the loss of former years. But here the lass of the crop is accompanied by loss of the eaf, and consequent enfcebling of the plant o that it seldom bears again.
The season of 1863 was rery propitious to he vine in many parts of the United Staies, nd held out promises of success in the growth many uew varieties of grapes. The viue were young, had grown admirahly even, in
consequence of a comhination of circumstances highly favorable; a greater product of superio grapes was exhihited thau had ever hefore glad ened our eyes, or filled us "with visions the to he." The three following years told auother tale over a large part of the interior of the Northern States. The favoring cireum tances did not attend at our bidding; the viues having grown well the preceding season, did their hest in 1864; they ohserved the cal of temperature to the degree pre-arranged for their awakening; they spread their leaves and opened their bloom at the appointed time and
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Eprounised still better than in the past; and that promise would have been fulfilled had there promise would have been fulfilled had there
duot eome on the wings of the Westerly wind a blast whiel struck the tender leaves, shrunk up their expanding growths, lapped up with its thinsty tongue the life-sap of their vessels, and brought death into the little world of life, and with it the seeds of mildew and rot, which rioted on the small relies of vitality, and our hopes vanished like the mist into thim, dry air. The next season found the finest Delawares, Rogers, \&e., entirely destroyed, even to the root. The vines that survived were
again prostrated by the unpropitious seasons of 1865 and 1866. Until of ours, very few are now living, or if living, have made any growth; exeept the Concord and Clinton, whieh we consider scarcely worth retaining in our grounds.
It may he asked "how do you know that the air was thus dry, in eaell of these seasons, and that this dryness was the teuding or predisposing cause of our fallure?" We answer that the dryness or moisture of the air, can be as readily determined as can its temperature he aseertained. We ean tell not only wbether it is very dry, or very moist, hut what proportion of moisture is present: aud, farther, can determine not only how much the vapor may lighten the air, by rendering it buoyant, even to taking the pressure off the barometer to the one-thousandth of an inch, but cau as readily weigh the amount in our scales and tell to the one-hundredth of a grain, how much exists in each cubic foot of the atmosphere around ns, at any time, and as often as we choose to experiment on and calculate it. All this has beeu frequently done, and tbat done hnudreds of times during the Summers of 1864 and 1865 ; and they thereby proved to have been very dry. Moreover, this dryness, when iu extreune, was shown to have happened before or during the access of damage to the vines. § Now, if such seasons visited ns but at long intervals iu the iuterior districts, we would not have so much cause to deplore them; hut unfortunately, these extremes of dryness and consequeut sudden reduction of temperature, this part of the Rocky Mountains. This periodieal dryuess of he air appears to be the rule; is the difficulty we labor uuder in our climate as respects the cultivation of the grape in the vineyard.
uo doubt serves mauy uo doubt serves mauy useful purposes. It may enable the farmer to grow a erop of Indian corn in much higher latitudes than he and otherwise perfect it, as it is an accomo bring to perfection many other semanle him plants in districts where they could not be grown, suci as the sweet potato, sorghum, dc., but it renders our clinate onc of extremes, and unfits it, when these extremes
most prevail, for the profitahle culture of the most prevail, for the profitah
vine, either foreign or native.
In another paper we may exhihit an array of facts and experieuces.showiug that there are extensive districts where the vine may he cultivated with promise of success; aud that it may not there be considered a failure, though I apprehend that the iuterior districts, removed from the influeuces whieh temper their extremes, will never prove worthy of beiu
classed amoug the wine regions of Ameriea.
 April, 1867.

Cold Grapery - April is usually the month or uncovering and pruting np the vines. In order to insure an even hreakiug of the buds along the whole length of the vine, it is not put up in place at once, but is suspended so that the upper end shall heud downward, and the whole vine hang in the form of a bow. This counteracts the tendency of the upper
huds to get the advantage of the lower ones. When all have takeu au equal start, which can he secured by altering the curvature of the vine, and the shoots have grown 2 or 3 inches ong, the vine may be put in place. Fork over the iuside borders, aud syringe the house thoroughly. If any injury has happened to the vines की winter, tbe vine must be cut back, and a strong lower shoot selected to be trained in place of the vine cut away.-Agriculturist.


C. W. AND S. S. F. Foss, EDitrors.

SATURDAY, April 20,1867
 ,wem hat

\section*{RICE GROWING ON THE PACIFIC}

No State bas uade greater progress in agriculture withiu the past teu years than Culifornia. IIer grain fields are a marvel even to her own citizens, and her wheat crop promises to be more raluable than her gold pro-
ductions. The superiority of her wheat has made a demand for it even in the Eastern States, and immense eargoes are received every month in our Atlantic cities. In Europe, California wheat commands a better price than wheat grown iu England, France or Russia. Tbis fact is rather flattering to the pioueer farmers on the Pacific, and alike complimentary to American agriculture.
But the Californians are not satisfied with raising the best wheat in tbe world, and are now turuiug their attention to the cultivation of riee. The "Faruner," published at San Francisco, says a species of "high land riee" (probably a Japan rariety), has been grown at Antioch, and other parts of the State, and urges the iuportance of rice growing to the agriculturists on the Pacific slopes. We bave uo doubt of the practicability of this enterprise, and are satisfied that on the table lands, the crop would be a remunerative one. In addition to a farorable soil, they bave a Chinese population familiar with the culture of riee; a class tbat is satisfied with small wages, a mere subsistence-and a promise of having their bones carried back to China. In the ricefields of our Southern States, it is necessary to tlood tbe crop at certain stages of growth; and so they would have to do iu Califorma if tbey be grown any where south of the 3sth parallel, be grown any where south of the 3oth parathe,
provided it is properly irrigated. "Highland Rice," like " Upland Cranberries," we suspect, are profitable erops in the columns of an agricultural journal ; but not very remunerative to
the practical grower-unless it may be in California.
This idea of growing rice on the bigb lands of the Pacific territory, impresses us ouce more with the diversities of our country; of the
varieties of its soil; of its multitudinous geological formations; of its differeut climates and of its wondrous extent and fertility. Here, in the New England and Middle States, we are subject to greater extremes of heat and cold tban tbey are East of the Rocky Mountains. While we have frost, snow and almost Arctic winds, our neighbors on the Pacific have days of genial sunshinc, pattering showers and garden luxuries. Again, while we are making ourselves comfortable around anthracite and wood fires, our friends on the Gulf of Mexieo are luxuriating on tropical fruits; are sporting snn-shades and palm-leaf hats, and are gratefut for the sladow of a building or the shade of
the forests. No nation has greater diversity of the forests. No nation has greater diversity of
climate or of productions. In the language of flowery oratory, "Gods great ploughshare i running all the year round in these United States-subsoiling and ameliorating our fieds and covering them with golden harvests."

The Cercelo.-It secms to be the belief of Dr. Trimble, Dr. Asa Fitch, MIr. Walsh, and others familiar with the babits of insects infesting our fruit trees, tuat the curenlio breeds in the cherry, and the great bulk of the eggs so deposited will eome to maturity unless artifieially destroyed. For this reasou cherry trees, standing alone in ont-of-the-way places,
should be cut down, and all punctured frnit should be destroyed.

Clubblivg witil tife Farm and Fireside. Iu reply to the numerous inquiries from our friends of the Press, we state that we will club onr journal with theirs, at one dollar and fifty cents per annum. Subscriptions to commence with tbe roluune.

\section*{PEACH PROSPECTS.}

Infonmation from Delaware leads us to believe tbat peach bucts, in Kent eamty, have been partially destroyed. From New Castle County, we have more favorable reports; als from the Eastern slore of Maryland. W
know that it is eustomary for similar report to originate with enprincipled growers of the peael, ahout this season of the year. But the above information can be relied upon.
Coleman's Rural World, publisbed at S
Louis, Missouri, tells a gloomy tale of peach Louis, Missouri, tells a gloony tale of beach of the coming crop in Southern Illinois. The following extract is from the above mamed Journal, April 1st.
The peach buds North of the latitude of St. Louis are generally destroyed. We understand that at Alton there are hopes of a part of a crop. Near the city of St. Louis, and particularly on old trees standing in meadows, one half of the buds are unhurt. Seedlings sustained very little damage.
Young orchards in the vieinity of St. Louis are quite seriously damaged, and will probably moduce no perfect fruit, as the Curculio will take wbat the frost has left. Tbe buds a more than half kitled in Southeru Illinois.
On the morning of the 14 th of Mareb,
our residenee, five miles west of St. Lonis, the thermometer stood \(4^{\circ}\) below zero. This degree of eold would not have aftected the buds-but for several days of warm weatber, about ten days before, which had so expanded the most forward buds, as to render them an casy prey to the frost.

Cotton Crop for 1867.-A gentleman of utelligence and observation, recently returned from a tour through South Carolina, Georgia, Alabama aud Mississippi, informs us that a much larger extent of land has been planted with cotton this Spring, than at any period sinee 1861. He says tbonsands of planters
who were discouraged by the abolition of Slavery, aud thought cotton planting destroyed by freeing the bondmen, have materially changed their vierrs, and have extended tbein operations in cotton. Iustead of freedom in juring the productive industry of the South, the agriculturists there will find it will promote their prosperity, and add immensely to the ag gregate wealth and prosperity of the nation.

Prefention of Cruelty to Anlmals.-The Pennsylvania Legislature has incorporated a society to prevent eruelly to animals. This is a eheerful item to the bumane and merciful. Similar societics exist in various States, their object being to enlist the sympatbies of people who are cognizant of cruelty to dumb beasts-orer-driven horses, over-worked and abused animals of all kinds. Let the wicked and unmerciful owners and workers of borses, mules,
catte, \&c., be severely punished. No poor, sorrowfol, abused borse will say neigh to this

Sale of a famous Short Hors.-George P. Plunkett, of Hinsdale, Mass., has purchased of Samuel Thorn of Duchess county, N. Y., the "Gth Duke of Thorndale," for \(\$ 5000\). Tnis bull stood at the head of a herd of forty wbich has just been sold at an average price of over Short Horn ever bred in the United States.

In Blossom.-Peacb and Apricot trees were in full blossom in the vicinity of Philadelphia, On the 12th of April. Tbe Spring has been rather backward, but the fruit prospect i gooa.

Turee villages in Maine have tbis Spring purcbased from one nursery firm in that State, three thonsand dollars wortb of fruit trees. commendable interest in fruit tree planting is being developed all over the country.
Wash for: Thees.-The IIorticulturist says that " one pound of potash 10 six grallons of water is a good wash to apply to trees on wbose bodies or limbs are insects, moss, etc.

Tbe Culifornia Farmer says that nursery men are doing a good business in that State, as tbere is a general desire to improve everywhere.

Pensinhanah IIorticlltcial Society.The new hall of this society will be completer
by the middle of May. It is a magnificent structure, located on South Broad strect, Phil-
adelplia, adjoining the Acadeny of Music. The building is \(\tau .5\) fect wide, and 200 fect in depth. The hall will be one of the finest in he country-well adapted to horticultural displays, also for concerts, particular attention
having been given to venti'ation and aeoustie cfiect.
The dedication of this building will be in May; and ou the \(29 \mathrm{H}_{1}\) of that month, a grand sale of plants, fivist, flowers and ved fetables This affair will lee under the especial eare and influcnce of toc ladies of the society, who are earnestly at work to render this onc of the Fairs ever held in this country. Aid and contributions are solicited from all our tloral friends and vegetable producers

Freurs of Secessiox- - In Georgia, in 1866,
the value of land was estimated at \(\$ 103,112\), , 624, and the total raluc of all property, real and personal, at \(\$ 22,183,787\), a decrease since 1860, of \(\$ 148,444,135\), without taking into consideration the value of the slaves who prop erty, in Georgia, including the slayes, was \(\$ 1\), \(008,455,16 ;\)
Twenty-five farms have been sold in one sec tion of Alabama, for the low price of \(\$ 1\) per force sales. One of the sales thus made wras plantation of 600 acres for \(\$ 600\). Before the fifty slaves and forty horses.

Delaware Agracultural College.-The State of Delaware, with commendable energy, is placing her Agricultural Collere in a right position. The board of Trustees of the State College, at Newark, have proposed to convey o the State an interest in the building State shall vest the donation from Congress in said board of trustees. The Legislature aceepts the proposal, and thereby establishes the institution in a central locality. The first meeting of this Board will be in July next, when we may antcipate a reorganization of the college, and progress thereafter.

Work on the farin, when rightly directed, is fuil of interest, and produces satisfactory not only a consumer factor of the human race. The prosperity of his country greatly denends on the development of agriculture. Paralyze this arm and what would be the result? The wheels of the haume cturer would stop, the merclants' doors would be closed, the sails that whiten every prosperity would be at an end, not to be revives he wealt of the world wio ampienture.

The quace on the Thoore- - A coriespondent of one of our exchanges describes a specimen of cuinee grafted on the Thorn as being
12 or 15 feet high, and 5 or 8 inches thraugh the stem, the quinces beiug at the top and entre of the tree, protected from marauder: their adopted parent. It is said the Thom is never attacked by the borer, that dreaded enemy of the fruit

Pamng Potatoes.-Many persons, in preparing potatoes for conking, pare off a thick slice from the surface, instead of digging out potato, says this skimning process is all wrollgi as the strength of the vegetable lies near the smface-the starch growing less abundant as the center is approximated. The starch, near the surface, contains the nutrimet-which is not more than seven or eirht per cent. - the balance being mainly water.

Georgia papers say tbat the wbeat crop in
bat State was never more promising.

Eapire Sherp Fair.-The Third Aunual Fair of the "New York State Sheep Brecder at Auburn, May 8th and 10th. Premiums ar offered on fine Delaine wool lamis; also on long-wooled and middle-wooled sheep. The prizes range frou three to forty dollars.

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The Fratm and Fireside.

The friresite 埆use
sabbath in the country
The creaking wation's in the shed,
The ubsy fini is heard no more
The horse is
The horse is isitered down and fed,
The harness hangos above his heand
The whip hehind the door.
His leathern gloves and hooked hill
Tooday the woodman throws asile
The blackscmith's fiery forge is still,
The wooden wheelo the old nill
Sleeps on the mill-dam wide.
The miller's hoat is anchored where
Far out the water lilies sleep: Far out the water lillies slece;
You see their shadows mirrored there, The hroad white flowers reflected clear Within the mill pond deep. Hoe, rake, and spade are put awny Unweeded stands the onion bed. The gardener from his wor
,Tis holy Sahhath day. By which the chunur and mill--pans lie
A drowsy watch the honse doż keeps, And scarcely from hits dull eye peeps, Upon the passer-hy. The silrer-sounding charch-bells ring:
Across the moor and down the dale They come and go, and on the gale Their Sahbath ticiungs fing From where the white-washed "suan Far out upon the rushy pool,

\section*{Friresinte rale.}

HOE OUT YOUR ROW.

Tre youngest son stood with his yair luride apon the threshold of the old farm-house. He was the last of four brave boys who had gone
forth from that humble roof to work their way up manfully to a place of honor and nsefulness in the world. Perhaps there was a little dimness in the old man's eye, and may be a littlc tremor in the old man's voice, as he spoke the farewell words. But he took from the old side cup-hoard his parting gitit-a hright, new hoe-aud as he placed it in the hand of the youth, the accompanying admonition sonnd
cleerily on his ear, "Hoe out your row."
It was the fourth time a similar presentation had been made in the old homestead.
"Everybody will find his row to hoe in this world, George-and sometimes it's a mighty tougb one ; but it is only cowards that shirk it 'Whatsoever thy hand findeth to do, do it with thy might,' and never forget to look up.' The old man wrung the hancl of bis son, and stooped down to kiss the cheek of his fair, new danghter; while mother busied her self with the dozen "last things," whicb every oue but a mother forgets. The lingering farewells were all said at last, and the old coach rolled away with the two hopeful, snnuy hearts entering be's bright and beautifn! Summer.
The old homestead seemed deserted and drear as a last year's nest. The aged pair sat down by their own hearthstoue alone, as whicn they begnn life together. How these old walls
had ruug to the sound of childhool's mirth, had ruug to the sound of childhool's mirth,
and cliildhood's step, and in later years had cchoed with the tread of manly feet. Now they must live more in the huried past.
But to George and Ellen life seemed ail one bright fnture, with the rainbow of lope arching all their plans and projects.
Tbeir Western home was an humhle oue, and plenty of work for willing hands within it. The young farmer's clief capital was his strong arm and stout leart, and tbe sonnd working-day principles he had been taught rom childhood. Sometimes he grev discouraged at the prospect of paying for the
land he worked-but he was sure to meet land he worked-but he was sure to meet
with hearty encouragement aud words of cheer from Ellen; a glance, too, at the parting gift of his father, as it stood on the mantle in the family room, was as good as a sermou any day. Tbere it stood, ever ready to give might be. Strangers might tbink it a curious might be. Strangers might thenk it a curious ornament for a chimney-piece, hut it was soon
regarded as one of the houselold treasures.

Dust or rust were never suffered to mar its ghtuess.
Ellen, it is no use trying,'" said George, one eveuing, quite despondingly, as he turned away from some figures he had been making on a scrap of paper, "I can't make out the payment this week, and I may as well give it
Eillen looked up cheerfully f
and nodded toward the mantle.
"I have hoed and hoed, bnt this row is too mncb for me. The wool will pay the next installment, and the crops the nest ; but where these fifty dollars are to come from, that I need in addition to what I can make out, is more than I can see.
"Sell the cow, George," advised Ellen "yon were offered fifty dollars for ber, you know.
"But what can we do for hutter, and cream in our coffee, and all that ?
"Do withont for a time, dear. A home is a great deal more important to us now than any tahle lnxury. Besides yon shall not suffer. These little self-denials, you know, are almost unavoilable, if we wonld fairly hoe ont our ow.
George, like a sensible man, took bis wife's adrice, and the satisfaction be felt, as he paid down the money promptly and took his receipt, far exceeded that which any table en oyment could afford him.
Ellen ransacked ber memory for economical
sances and gravies, to take the place of old sances and gravies, to take the place of old
Debby's gollen butter and yellow crean; and sbe never forgot to stir a well-beaten egg into the pot of coffee, so improving its richness that George scarcely missed the favorite luxury.
Steadily onward he hoed bis row until the place was all bis own. The old home had pnt on a ner face ont-doors and in. There were
shruhs and rose-bushes in abundance in the shruhs and rose-bushes in abundance in the once tangled and briar-grown door-yard, and snnny slope towards the Sonth.
There were files of agricultnral papers on the broad shelf of the little library, and choice selection of miscellaneons boeks ahove them. There were little tasteful appointments here and tbere, abont the clicerful sittingroom, but the bright boe was never displaced by any gem or crystal. The pretty shell-frame pictures might look down upon it, if they chose; it could not be looked out of conn-
tenance.
George was respected and known by all bis neighbors, and the stranger who shared but for a night the generous hospitaiity of his broad bearthstone, went away to speak, year and tbe kindly attentions of the gentle wife, whose wide heart took in every suffering, sorrowing one on earth. The hlessing of the
Lord was upou the hoisehold, and it is that alone "wbich maketh rich, and He addeth no sorrow with it.
Years sped apace, when one ruddy October, a circular autograph letter went round the circle of brothers, bidding then all come to the golden wedding. And the call gathered them from their distant homes.
Tbere was a racket of merry, youthful roices, as the grandchildien romped throngh the old halls; hut grandfather's face was brimfinl of smiles ; and grandma's pet and naniesake, gentle, dignified Grace, took the reins of goverument into lier hands, so all moved on most barmouionsly, relieving mother of all
care, and learing them to chat to their heart's content.
Carrie was the daughter-in-law who lived earest home, so the care of the feast fell upou her. "Grandma must not stir from her ocking-cloair" until all was upon the table Indeed, it would be hard for her to accomplish muci with so many little rnn-a ways under her feet all the time, whose manifold perfections must continually be observed and commented on.
The evening lamp was lighted, and a little fire was burning in the open fire-place, as all were seated in the old home room.
William, the eldest born, stepped forth from the little group, and, advancing to his greyhaired father, said
went fortb from this roof to make his way in
the world. As eacb, in turn, took his departure, you presented to him a bright, ne boe, with the mjunction, "Hoe ont yont loe," How well we have followed your directions and the lessons of industry, perseverance, Cbristian iutegrity and self-denial, yon have always taught, by your words and by your life, it remains for you to judge. As a token that we have not forgotten your teach ings, in the name of my brotbers and myself, I present this hoe to you," and with a how be laid i
him.
The old nan dropped his head, and the tbin hairs fell abont his temples as he simply said, ith choking voice:

God bless the boys!
"Mother," said Ralph, advancing to her side, " we all know tbat you wonld not desire any gifts of jewels and golden ornaments, suci as arc common on these occasions. But ye thonght the contents of this little box might add somie comforts to your life, wbich we should delight to bestow, if we were not so widely separated." He placed in her hand a beantiful gilt casket, containing fonr of the hroadest pieces the mint turns out, with a iberal sprinkling of smaller yellow coins from the little graudchildren.

Now, father," said Dominie Ned, as he walked up to the stand, "I must give yon my wedding present;" and he laid before him his beautiful copy of the Testament and Psalms, printed in very large, clear type, so grateful to the failing sight of age. In hright; gilt lette on the side were stamped these words:
"I luve Thy commandments above gold "ca, ahove fine gold.
"Now, perbaps we had better sing our evening hymn; and after worship, let the ittle ones tramp of to bed."
The patriarcb knelt among his flock, and he prayer, from bis full heart, for God's blessing upon them, was as if he bad entered within the veil. There were tears on many cheeks When they rose, and a subdned tone ran even in the "good-nights" of the merry children. Then all drew up ahout the fire, and told over tales of other days. William told how he had hoed out a pretty bard row in the new place, where he had sought to establish him self as a physician. But after due waiting, the "first patient" came at last, and the sec ond, aud so on, nutil now be was "the old physician " of the place, with two young men in the office with him.
Dominie Ned (otberwise Rev. Edward Kent) detailed some of the "Shady Side" experiences of his first charge; but they were pleasantly relieved by the many "Sunny Side" incidents his wife took care to snggest as hi went along.
George and Ralpb compared farm-notes, and altogether, the evening passed as only such gatherings, by such a hearth stone, ever can. It is only such training that can produce such results.
If yon wish your boys and girls to grow up nseful, honorahle and happy, teach tbem faith fully "to hoe out their row." -Peterson's Mag .

\section*{Friveside 物iscellary.}

Ar Indianapolis recently, an "intelligent contraband was told by his employer to take the carriage and call for the yonng ladies of the family, who were at an evening party, aud instracted him to go to the door, ring the bell and aquire for tbem. Ahont midnight be retorned alonc, and on inqniry it was ascertained that be had taken the dining room bell, and, driving o a strange honse, sat in the carriage and rang is bell, as he had seen the milkmen do. Finally, conclnding that no one was at bome, he retnrned.

The Secrets of Health-The secrets of healtb are six: First, Keep warm. Second, Eat regularly and slow. Third, Maintain regular claily bodily habits. Fourth, Take early and very light suppers. Fifth, Keep a clean skin. Sixth, Get plenty of sleep at night.

\section*{THINGS WISE AND OTHERWISE}

Lee, Beauregard, Johnston and Longstreet have a new mission-submission.
An excbange calls Russian America a ripe apple ready to fall into the hands of this couny. A Seward cede-ling, we suppose

The sweetest thing in the botanical line is the following definitiou of flowers: "Floral apostles, that in dewy splendor weep without woe, and blnsh witbont a tingle of shame."
A reporter at an agricultnral meeting stated that glycerine had been recommended for the "roofs of houscs," to keep tbem from splitting in cold weather. He ought to have said "hoofs of horses.
A Milwaukce paper tells of a hnteher in that city, wbo killed a cow a few days since, and found a live mud turtle in her stomach. The shell was mucb cateu by the acid of the stomach, and the turtle lived hut a few honrs after ts release'
There is a whole sermon in the saying of the Persian: "In all thy quarrels leave open the door of reconciliation." We should never orget it.
Artists have adopted different emblems of charity. We wouder none of them ever thought of a picce of Indian rnbber, which gives more than any other substance.
Speaking of the Spring fashions, a tailor says there is not much change in gentlemen's pants. There is less than usnal in gentlemen's pockets.
Josh Billings has been paying some attention to agricnltural matters. He says: "If yu want tn git a sure crop, and a big yield for the seed, sow wild oats."
Several thousand small stills, each capahle of making from one to tbree barrels of whisky per day, werc made in Cincinnati last year, for the Sonth. "My country, I love the still." The revenne detectives will find something to do down there,
A question for Botanists. Do the "roots" of words produce "flowers of speech?"
Ode to America-The Alabama claims.
A rare comhination-Dollars and sense.
An oil painting of Flora Temple, among tbe effects of Hiram Woodrnff, was sold at auction for \(\$ 305\).
A Virginia paper prblishes an obituary no tice of a liorse.

\section*{MANNERS AND MORALS.}

Manners easily and rapidly mature into norals. As childhood advances to manhood, the transitiou from bad manners to bad morals is almost imperceptible. Vnlgar and obscene forms of speech keep rulgar and obscene objects before the mind, engender impure images in the imagination and make nnlawful, desires prorient. From the prevalent state of the mind, actions proceed, as water rises from a fountain. Hence what was originally only a word or a phrase, becomes a thought, is meretricionsly embellished by the imagination, inflamed into a vicious desire, gains strength and boldness by being always made welcome, until at last, under some urgent temptation, it dares, for once, to put on the visible form of action; it is then ventured upon again, more frequently and less warily, until repetition forges the chains of habit; and tben language, imagiuation, desire, and habit bind their vicim in the prison-bouse of sin. In this way profane language wears away tbe reverence for things sacred and holy; and a child who bas heen allowed to follow, and mock, and hoot at an intemperate man in the streets, is ar more likely to become intemperate himself han if he had been accustomed to regard him with pity, as a fallen brotber, and with sacred abhorrence as onc self-brutified or demonized. So, on the other hand, purity and cbastencss of language tend to preserve purity and chasteness of thonght and of taste; they repel licentious imaginings; they delight in the unsullied and the untainted, and all their tendencies and antitucles are on the side of virtue. Horace Mann

Longfellow, says that "Sunday is the goldweek."

General 㣘iscellamy.

\section*{agricultural items}

Mapre oreliards are of great ralne to farm ers. More attention should be paid to growing young maples by nursery culture or othe wise. They readily start from the seed.

The Boston lost says Vermont farme waste manure enough every year to pay for
the breadstuff that the State gets from the West.
A farmer in Yermont thinks milkweed may be made useful for suiling cows. He says the cows eat them eagerly, and he
Upwards of 30,000 barrels of flour are ship ped from California monthly-paying the I:a cifie Mral Steamsluip Company for freight \(\$ 100,000\).

Agentleman, residing near Roclester, N. Y raised carrots at the rate of 1,381 bushels to the aere. He planted theur in drills one fon apart, thinned them to four inches in the drills, and eultivated them earefilly throughout the season.
It is estimated that there are thirty-two and one-ialf millions of sheep in the tweuty loyal States and two territories. It is supposed that the annual number of laubs will be over twenty four millions
Mr. Sullivan Fisk, of Compton, C. E., last season raised in \(^{2}\) b bushels of Daris Seedling potatoes from one aere of ground. Thirty loads of manure were spread on oat stubble in the Fall, and plored iu. In the Spring, the land was again plowed, harrowed, aud furrowed about three ineles deep, aud three and a half feet apart. Large potatoes were eut into three pieces eacl, and one picce dropped in a hill, the hills being fifteen inehes apart. Tliey were hoed twiee in a thorouglh manner. Vermont sent \(22,96 S\) cattle, 167,013 sheep, and 13360 swine to the Boston markets last ear. The Rutland Herald says that Boston gets more for her meat markets from Vermont than from all the other States combined, cepting the Western States
The Pittsburg Commercial, speaking of the baekwardness of the season in that section, says that there is still promise of abundant fruit crops. Similar reports come from many sections of Ohio, Illinois, Iowa, Western New York, New Jersey and Delaware.
The Norwich Bulletin says that a fruit grower in that vicinity, last week shipped to New York 16 quarts of strawberries, for which he reecived \(\$ 7\) ner quart.
Potatoes were selling in Skowhegau, Me., for 8.5 eents per bushel on Thursday last, for Western markets. In Easiport they were selling for 60 ecuts last week.
The orange trees of Louisiana are haugiug full of blossoms; every branch and twig is crowded to its utmost capaeity. If no aceident happens by way of frost or drought, the orange trees next Fall will groan under the weight of their goliden fruit.
The riehest sugar regions in Louisiana have been ruined by the reeent floods.
Wheat sold in Cleveland, Ohio, on Wednesday and Thursday, at \(\$ 3,50\) per lushel, the highest priee ever obtained in that city. At the same time corn was hell at \(\$ 1,0 \mathrm{j}\) per bnshel, and oats at 64 eents.

\section*{GRINDING Tools.}

More than half the wear had tear, breakage, aud bother of dull tode, comes frou a lack of proper knowledge and practiee in grindiug. Alt stecl, however highly refined, is composed of individual fibres laid lengthwise in the bar, held firmly tosether by eo-
hesion, and in almost all farm implements of he cutting kind, the stecl portion whieh forms the edre, is from a seetion of a bar, laid in and welded to the iron longitudinally; so that it is the side of the bundle of fibres, hammered and ground down, that forms the edge. Hence, by holding on the grindstone all edgetools, as axes, drawing-knives, knives of reapers, seythes, knives of straw-cutters, \&e., in such a manner that the action of the stone is at right angles with the plane of the edge, or, in plainer words, by holding the edge of the
the fibres will be clanged, so as to present ilie hime enter a closet, embraee his beloved chamends instead of the side as a cutting edge. By grinding in this manner, a finer, smoother edge is set, the tool is ground in less time, holds an edge a great deal longer, and is firr less liable to "niek out" andl break. Furners will do well to bear these hints in miud, and aet accordingly always in grinding seythes, eutlery, and knives of reapers and foddercutters.

\section*{flowers.}
I. your flower-beds, if the plants sickened last year, ehange the soil. Irenovated earth is reuerved health to consumptive flowers. Sow minuals as soon as the ground is warm. Ton early sowing and deep envering rots seed very ften. This is frequently the cause of ones seed being "bad," Prepare flowers in their
Winter quarters for the Summer campaign, by Winter quarters for the summer camparing to the air before sctting out finally. Set out when all danger of frost is over Dou't set out a plant with a dry ball; but wa well in the pot au hour or so before. display of taste. Narrow thin beds as a rule, have better etfects than thick or heary ones. Edgiugs to beds are common. The evergreen Iry is good-so is Periwinkle. The varigated, large-leaved Periwinkle is a treasure. Daphine eneorum is also good-for large beds, Shrubland Pet Rose Geranium is very effective The old tribe Scarlet Gerauiums make splendid American bedders, Lord Palmerstou and Stella are two of the best, but yet scarce and high grood," Chanee and Lallah, are six of the best bedders. The old Harkaway is an enormons bloomer, though for the single flower poor enoug'' ; it is on
dener's Monthly.

Beautifcl Sentimext.-Shortly beforc he departure of the lamented Heber for India, be preached a sermon whieh contained this beautiful illustratiou

Life bears us on like the stream of a mighty wer. On boat at first glides down the mighty channel-through the playfnl murmurings of the little brook aud the windings of its gras orders. The trees shed their blossoms o our young heads; the Howers seem to offer themselves to the youug hands; we are happy in hope, and grasp eagerly at the beauties around us, but the stream hurries on, aud still our hands are empty. Our course in youth aunous objects more striking and marnificent. We are animated at the moving pictures and enjoyment aud industry all around us; we are excited at some short-lived disappointment. The stream bears us on, and our jows and our griefs are alike left behind us. TVe may be shipwreeked, but we cannot be delayed; whether rough or smooth, the river hastens on till the roar of the ocean is in our cars, and the ossing of the wares is beneath our feet, and the floods are lifted up, around us, and we take our ieave of carth aud its inhabitants, until of Iufinite and Eterual."
A.iechote of Havdel.- Handd, whose di rine compositions seem to have proceeded from a heart glowing with the fire of a seraph, was, notwithstandiug, what some would call rather a gross mortal, siuee he placed no small happiness in eating and drinking. Having received a present of a dozeu of supcrior champagne, he thought the quantity too small to present to his friends, aud therefore reserved the delicions neetar for a prirate usc. Some he longed for a glass of his choice champagne but enuld not easily think of a device for leas ing the company. On a sudden he assumed a musing attitude, aud, striking his forchead with his finger, exclaimed, "1 have got one tought! I have got one tought!" meaning had gone to commit to paper some divine idea, saw him depart with silent aduiration He turned to his friends, and rery soon had seeond, third, and fourth tought. A was, suspeeting the frequency of his St. C'eeilia's visits,
him enter : closct, embraee his beloved cham-
pague, aut swallow repeated doses. The diseovery communicated intinite mirth to the eompiay; and Irmdel's torghote beeame pro vertial.




Hew tark.
Great American Tea Company
THE MMEASE PROFITS
TEA TRADE.


\section*{If ertilizers}

\section*{ANIMAL RLANURES.}

\section*{by alexander hyde, lee, mass}

We use the term animal manure in a restrieted sense, as ineluding flesh, fish, skin, hair; in short, every thing that exists in a state of animal crganization, but excluding animal droppings. The latter are very generally prized and saved; the former arc as generaly undervalucd and negleeted. If an animal dies on the farm, the first \(c_{q}\) uestion in the majority of cases is, not how shall we nake the most of the carcass, but where shall we bury it past rcsurrcetion? By burying, the owner seems to think he has done his whole duty to the beastly remains, and forgets that by so doing he has robbed his farm. The farm has supported the animal, furnished the carbon and nitrogen for its flesh and the phosphate of lime nitrogen for its flesh and the phosphate of lime
for its bones, and is at least entitled to the legacy of its carcass when dead. Some farmers are so slovenly as not even to bury their animals, but leave them on the surfaee of the earth, to be the prey of dogs and carrion birds, and to poiluie the air. We have seen many a dead lamb hung up in the eroteh oí a tree, a dead lamb hung up in the eroteh oi a tree, a
speaking advertisement of the thriftlessness of the shepherd; for the iamb says to every passer by, as plainly as a dead lamb ean say it: "Sec what an owner I have! By his earelessuess I died, and he does not know enough to make use of me when dead."
Let us consider for a moment, the composition of flesh and blood, and then we shall understand better the waste there is going on all around us. Johnston, a most reliable authority, gives the analysis of dry deef as follows, omitting fraetions:

Carbon....
Hydrogen
Nitrogen
Oxygen .
Total,..
.\(\overline{100}\)
Thus we see that with every hundred pounds of dry horseflesh we lose fifteeu pounds of nitrogen, the most valuable ingredient in barn yard manure, of which the flesh eontains about seven times as mueh as the manure. Both lose in drying about 75 per cent. of their weight. Johnston estimates that foutteen pounds of flesh are equal to one hundreci pounds of barn yard manure. The skin aud hair are still more valuable, as the former contains sixteen times,
and the latter thirty two times, as mueh nitrogen as common mauurc. The bones, also, are exeeedingly rieh in organic mattcr, and are readily'sold to the manufacturers of bone dust and phosphates at \(\$ 20\) per ton, aud when properly mauipulated and adulterated are resold for 200 per cent. advanee.
The loss wc are sustaining from the single arliele of dead horses, to say nothing of other animals and the refuse of our slaughter houses and abattoirs, may be approximately caleulated from the following faets. It is estimated that
we have in the United States ten millions of we have in the United States ten millions of
horscs, and that their avcrage age is tcn ycars. horscs, and that their avcrage age is tcn ycars.
Consequently about one million die each ycar, and as we do cot, like the Parisians, cat horse flesh, these are mostly buried, or worse still, left to "waste their fragrancc" in the open air. It is a moderate estimate that each dead horse properly composted, will make five loads of manure, worth \(\$ 2\) per load. If this computation is correct, we lose annually, by burying
our dead horses, ten millions of dollars. By neither burying nor composting wo lose an incomputal and an incomputable number of
valuable lives, victims to the miasma whieh valuable lives, victims to the mia
arises from the decaying carcasses.
The flcsh of animals, as we have seen, is a valuable manure in itself, too rich, indeed, for a direct application to the soil. Hence the nccessity of composting it with muck, charcoal
dust, soda, ctc. By its rapid decay it has the dust, soda, ctc. By its rapid decay it has the
valuable property of hastening fermentation in every thing with which it comcs in contact that is capable of deorganization. This singular effect, which the chomists call catalysis, renders flesh a most valuable ingredient in the compost hcap. The best mode of preparing compost hcap. The best mode of preparing
the compost is to spread two or threc loads of
dry muck on the ground, covering a spaee ten feet square. On this sprcad the dead horse, eut up intc pieees of ten or a dozeu pounds each. Over the whole spread three or four eaeh. Over the whole spread three or four
loads unore of muek. In six weeks of warm loads unore of muek. In six weeks of warm
weather the pile will be ready for shoveling over: and if the ammonia cxhales too rankly, spread a barrel of gypsum on the heap as it is worked orer: The plaster is a great addition to the value of the compost, whether the flest is eompletely deeayed or not. After shoveling, renewed fermentation will take plaee, and in three or four wecks the compost will be ready for use, aud will be found to make roots, grasses and grains grow with wonderful luxuriance. If labor is too expensiice for taking so mueh pains with the eompost heap, the dead horses may be thrown directly upon the ground, in some bye place, and covered thoroughly with muek or sods, and thus left for a year, and then shoveled over. In either case, somc vigilanee must be exereised to keep the dogs from exhuming their favorite food. In shoveling over the pile, the bones may be thrown to one side, and either used under fruit trees, vines, etc., in transplanting, or plaeed in a hogshead and covered with wood ashes, whieh, being wet oecasionally, will reduee them to a pulpy state, fit for the eompost heap.
We speak after mueh experienee with this kind of manure, and know whereof we affirm. For many years our farm has been the reeipient of most of the dead horses of the neighboring village, whieh the owners were glad to give to us for the hauling, and in some eases did their own hauling. Eaeh horse, with oue day's labor of a man, ean be made to furnish ten dollars worth of manure, provided a muck swamp is within convenient distanee. Sods from the road-side will answer nearly as well as muek, and leaf mold from the forest is beter than either. All erops are benefitted by the applieation of sueh a compost, but as it is particularly rieh in nitrogen, the grasses and grains derive special advantage fiom it. MeadFall, will show a deep green early in the Spring, and in June or July will roll out a swath of grass, so thiek bettomed that it reminds one of fleece of wool.
If dead horses can be transmuted into grains and grasses, why have not our farmers a power norc valuable than the fabled philosopher's ore?
The subject of animal manures requires our serious attention; it is an exhibition of eare lessness to allow sueh valuable fertilizers to go 0 waste.

A Clergyman was lately depicting before a deeply interested audience the alarming inerease of intemperanee, when he astonished his hearers by exelaiming: "A young woman in my neighborhood died very suddenly last Sabbath, while I was preaching the gospel in state of intoxieation!

Bx warmth and judieious feeding, says Mr. Bement, a hen may be made to lay as many eggs in two years as she would under ordinary circumstances in three; and every one knows, hat a fowl fatted at two years old; is much more tender and palatable, than one that is older.

The English papers are warning the public gainst countcrfeit sovereigns. The counterfeit sovereign in Mexico has already had warning.

Advertising flepartment.
Ahade Island.


\(\qquad\)

\section*{Time Red for}
Lick

\section*{}
\(\qquad\)






Marras 23 nest

\section*{}
mead's patent conical plows, SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS garnen barrows,
chase's two horse potatoe diggers, Store trucks,
1MPROVED HINGED HARROWS, CULTIVATORS,
Road Sorapers, ox Yokes, and plow Castings; nd Wholesale Lhealers in
 And Agents for
kiffern's, Union and Perby's moting machines,
Whltcoml's Patent Horse Rake, and the hest Hay Tedder
offioe, 32 canal street,

\section*{\(\xrightarrow{2}\)}






Will


massachusetts.
 mit tiang,

FRUIT TREES,
Grapes, smallfrutis, ornamentals, \&c.




\(\mathrm{B}^{\text {Y MALL, PREPAD. }}\)
choice flower and garnen seens,


GPES, STRAWBERRIES, NEW LARGE CURR,
GOOSEBERRIES, BLACKBERRIES, ROSES, flowering plants,


SheenWashTobacco

\section*{ticks, scab, fermin and foot rot} HEEP, ANould be used hy all Farmers on

Ess This pure preparation has been successfully used for vears, and never frails to produce the desired effect when used It will not injure the most delleatc animal.
It will improve the Quality and Quantity of Wool.
It kills TICKS on Sheep.

\section*{it cures SCAB on Sheep.}

It cures all SKIN nisedises on Anlmals
It kills all VERMIN that -infest Animals, Trees, Plants and
Vines. 5
[3 ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared hy farmers.
Sold hy all nruggists and Country and Agricultural Stores.

JAMES F. LEVIN,
\({ }^{23}\) Ccnitral Wharf, Boston, Massachusetts.
For sale hy Krindali \& Whitreer, Portland, Me.; N.S Harlow, Bangor, Me. ; Simonds is Co., Fitzwilliam, N. H.
March 9, 1866.
\(4 \mathrm{~m}-\mathrm{we}-9\) \(\mathrm{C}^{\text {Ollins, bliss \& co. }}\)
(1) COMMISSION MERCHANTS OASH ADVATOES MADE OX OONSIGNMENTS.
33 State Street, and 130 central Street, New England Agents for the
NONPARIEL FRENCH GUANO. It 1 s claimed that this Fertilizer 18 superior to any in the mar-
 Prion \$60 ter tor.
March 9, 1867. Circular giving fill particulars. 3 m -re- 9
\(\mathrm{C}^{\text {ARROT AND MANGOL }}\) WURTZEL SEED.



\section*{Pennsyluania.}
\(\mathbf{R}^{\text {HONES' SUPER. PHOSPHATE. }}\)
Sorudide phospionio aord. valuable fo
EVERY RESCRIPTION OF CROPS.
Potrs \& Klett, ................Camden, N. J.

\section*{dent of the Pennsylvania Farm School. The character of thls
Manure is now so fully established, it is unnecessary to say}
ore than that it is
folly up to the standarn, in quality
d is in fine condition for drilling.
Horer, wher purchasing, would do weil to get the
brati e trimble
\(\left.\begin{array}{l}\text { 418 South Wharves, } \\ 419 \text { Penn. Street, }\end{array}\right\}\) PHILADELPHI
March 23, 1867.
Hew 堼ark。
J. hicklise ace co.s


The Farm and Firesine is devoted to Agriculture, Horticulturc, Stock-Raising, Rural Arehitecture, Market Intelligcnce, Litcrature aud the Arts. It has a corps of agricultural writers of reputation, and thc aim of the Publishcr will be to make a journal eminenily practical, and of crery-dlay valuc to its
rca ders. Thc Literary Department is intended to instruct and amusc the farmer's better half and his ehildren. Nothing will be published offensive to good rcaders. The Literary Department is intended to instruct and amusc the farmer's better half and his ehildren. Nothing will be published offensive to good
morals. In all its columns this journal will advocate the best intercsts of the farm and fireside. Terms- \(\$ 2,00\) per year, in advance. Single eopy 5 ccuts.


0riginal Ipapers.

\section*{HIGHWAXS.}

\section*{by alex. hyde, lee, massaogusexts.}

Good roads are a good thing for all, but espeeially for farmers, and are a pretty correct indcx of the thrift of a eommunity. New England farmers, with markets close at their doors, or good roads to transport their produce the short distance requisite to find a market, can joorly appreciate the drawhack which long transportatiou, over corduroy roads,
makes upon the profits of Western farming. makes upon the profits of Westeru farming.
We once visited some friends in Wisconsin, and had to travel some fifteen miles from the railroad station to reach them. Ou inquiring at the livery for a horse, and stating the distance and direction we wished to go, we were coolly informed that one horse was not suffieient to carry one person through the sloughs we
should be compelled to traverse. We accordshould be compelled to traverse. We accord-
ingly hired two horses to transport one hundred and sixty pounds fifteen miles, aud before we arrived at the end of our journey, (it was in April), concluded our two-horse power was none too much. The sloughs, as they call marshes), we found the surest part of the journey, for they were geuerally corduroyed, and our horses and rehicle were so sustamed by
the logs that there was no danger of their sinking out of sight. Our friends we fouud, with plenty of good land about them, and hay and hominy in abundance, but with little rcady cash. They complained that although the crops were good, the transportation was so ex-
pensive it did not pay to earry them to market. One friend invited us to come and live where wheat grew luxuriautly and hay could be had
for the mowing. "No"-said another-" you had better stay where you ean scll, or at least give away, what you raise."
An Eastern owner of a farm in Illinois onee inquired of his tenant the price of eorn at the nearcst R. R. station, and the cost of transportation per bushel; and the reply was,
"eorn is selliug at fifteen eents, and it eosts "eorn is selliug at fifteen eents, and it eosts
eighteen to get it to market." The owner advised the tenant to sell, but added " be sure and not let the cost of transportation exceed the bill of sale."
We state these facts, to show the value of a near market and good roads. Our roads are
good in comparison with those of new coungood in comparison with those of new coun-
tries generally. But is there not a large margin for improvement? In too many places we still find them made of muck or surface soil, full of vegetable matter, first rate to grow potatoes, but making a slough of despond with cvery raiu. Horses as well as men protest
against such "road metal," as the English call against such "road metal," as the English call
the material of which a road is made. There is a place for every thing and every thing should he in its place; the place for muck is not in the road, but in the \(\log\) pen or barn yard. We have much to learn as a com-
munity, in the art of road making. It is an munity, in the art of road making. It is an
old art, as the old Roman roads, older than the Christian era, and now in good condition, testify; and it would seem we might learn more than we have, by the expericnee of so many nations and centuries that have gone hefore us. Every nation goes through pretty much the same experience with its roads,
building them at first when and how temporary necessity may demand; and afterporary necessity may demand; and after-
wards, as population, wealth and intelligence increases, loeating them more conveniently, and building them more permanently. Some of our old roads arc so loeated over hills as to give the impression that our fathers were so ignorant as to suppose that the distance around a hill was greater than over it; or in other words, that the bale of a kettle is longer lying down than standing up. We do not suspect them of any such ignorance. They probably huilt the steep hill roads to get a hard road bed and to avoid the wet low lands, and it was good policy, if they had not the means to MeAdamize the marshy places; for it is much
with something substantial for feet and wheels to rest npon, than on a level, where no sure fulcrum can he found for feet; and the friction from the mud or sand is a greater obstacle

If we do not wish to take lessons in road building from the Appian Way of Julius Cesar, or the military road over the Alps of the first Napoleon, two most enduring monuments of the energy and skill of these mighty conquerors, we surely can learn something from the civil engineers who have constructed our rail roads; the three great objects aimed at by these engincers are, a direct course, a low
grade, and a dry road bed. In securing the first, all ahrupt curres are avoided. If necessary to change the course, the momentum of the train is not impeded by a short turn. In the right angle forks of our common roads, the vehicle must in reality he stopped, and then started again in another direction, and thus much forec of motion lost. The advan tages of a low grade are too obvious to need
alluding to, but it would scem that the prophecy "the high plaees shall be brongh low and the ralleys cxalted," is slow in its fulfilment on our carriage roads. What we wish to call particular attention to is, the dry with little over which the wheels can rol with little friction. This ean only be secured
by a well turnpiked road, allowing the water to run readily to cither side, and a good hard pan or gravel material of which to construct it. Our railroad contractors often take off the surface soil before dumping a load of permanent road bed, but our common road builders frequently use no other material. In many thoroughfares McAdam's principles are the most economical in the long run, costing some-
thing in their first adoption, but fully payiug thing in their first adoption, but fully payiug
for all cost in the greatness and permanency of the henefit. There is one other little matter to which we wish to call attention and that is, the mounds made across some of our hill roads to turn the water into side ditches and thus avoid washings or gulehes. These mounds make increased elevation in aseending the hill and in descending, wreneh a horse and vehicle greatly by the sudden stoppage. They are entirely unnecessary, if the road is properly turnpiked. The science of road building is yet iu its infancy in our country. With the hest of material from which to construct our highways, we have comparatively few good
roads. We rejoice to know that increased attention is being paid to this subject, and we commend it especially to the attention of the agrieultural community.

\section*{The Fiveld.}

\section*{QUANTITY OF SEED PER ACRE.}

We give the following for reference
Grain Drilled.-Wheat, one and a half to two bushels; rye, one and a fourth to one and a half; oats, two and a half to three; barley, two and a half to three; barley and oats, one
bushel of oats to two bushels of harley; bushel of oats to two bushels of harley; peas, thirds of a bushel; corn, in hills, six to eight quarts; in drills, for fodder, two to three bushels; hroadcast for fodder, three to four hnshels; broom corn in drills, half to threefourths of a bushel ; beaus, one to one and a half hushels.
Grasses.-Timothy, eight to twelve quarts ; orchard grass, one and three-fourths to two bushels; red-top, twelve to sixteen quarts Kentucky blue grass, two bushels; white elover, four to six quarts; red elover, six to eight quarts; millet, half to three-fourths; lucerne, eight to ten pounds.
Vegetable and other Seeds.-Beets, four to five pounds per acre; carrots, two pounds ruta-haga, three-fourths to one pound ; to els; turnip, one to two pounds; onions, three els; turnip, one
to four pounds.

\section*{}

\section*{fBREAKING HORSES.}

Some may object to the term breaking as sug gestive of the tragical and terrible. Well, that is about what you want to describe when you speak of processes in vogue. Colts run wild till they have attained nearly their full strength and have acquired rery positive ideas ahout personal freedom and the rights of horses ! Then all at once the man who has been pass ing himself off as their owner, (a point not conceded by the "party of the other part,") takes it into his head that he is in pressing need of their service, aud sets himself at once vigo rously to work to get it. I will draw a veil over what follows; it is always sad to
brutes contending. I beg leave to add-
First-That colts should he handled an made tame from the vcry start.
Second-They should be accustumed to the harness and made to draw light loads when two or three ycars old, but never put to sever business till they are seven or cight.
Third-A brokc horse should back as well as draw ; should obey the rein promptly, and be
made to aroid a slouehing gait; should always stop at the word, should be familiar with rail road engines in full hlast; and be accustomed to things about his heels; show no repugnance to the country's flag, and accept a military escort with perfect composure. No horse is
educated-"broke" it you please-till he has educated-" broke" if you please-till he has
been made familiar with all these things. No horse should ever be sent out to work his way in the world till he is incapable of taking fright at anything. I have seen a eavalry horse hold perfectly still, and not cven wink, when a bludof his head
Fourth-All, except heavy draft horses, should be trained for riding. They should obey the rein, walk, trot or gallop, as desired, and keep the gait they are put on till required to change. There is an ease and regularity of motion observable in circus horses that greatly assists the rider, and makes pastime of what is nearly allied to torture when the auimal is in crude and undisciplined state. Horsebaek riding should be vastly more common than among men and women, boys and girls.
Fifth-Now is the time to break colts and teers, before the busy time comes; it is hard o practicc the cardinal virtue in horse-breakg, patience, when we are in a hurry.
Sixth-Rarey was a saint, or something that sort. -H. T. B. in Rural New Yorker.

Blood Spayin in Horses.-The following reeipe \(I\) have never known to fail in curing an actual blood spaviu on horses. Take equal parts of alcohol aud spirits turpentinc, put to gether in a glass bottle; then take a lump of verdigris, as much as will dissolve in the liquor, and roll it up in a cablage leaf and roas it in the hot emhers, the same as potatoes; then take it out and put it into the liquor ; shake well before using; and then take a pail of cold water, dip your liands into it, and rub tne spavin thoroughly hefore using it; then days, until you have applied it four or five times; then dress it once in two days with the following oils, and heat them in the same leugth of time each time: Two ounces oil of spike, one ounce oil of turpentine, one ounce oil of amber, half an ounce oil of origanum, mix together; then wait a few days and if not cured, go through the same process ayaiu. If there is any fever it may take off the hair; if so, apply a little soft grease or oil the next day after applying it.-Rural American.

Large Colts.-George Foster, of the town of Weare, N. H., has a colt 11 months old that weighs 610 pounds. The colt was sired hy the Abdallah horse of Wilton. Arctas Blood, Esq., of the city of Manchester, in the same State, has one hy the same horse, coming two this Spring, which weighs 900 pounds. These ar
large colts, and hard to heat for weight.

Backing in the Stables.-A celelurated veterinarian says that if a person will stand for a few moments with his toes higher than his heels, the pain he will feel in the calves of is legs will cxplain to him the reason why horses that are tied in stalls, try to find thei own level by standing across the stalls, or back ing as far as the halter will permit. In many stables the floors slant considerable so as to throw off the urine, and the horse hacks in order to find the ascent of the other side of the gutter.

Cures for Poll Evil.-J. E. Cole, Steuben Co., N. Y., says he never failed to eure poll evil hy first "washing the sore clean with
warm soap suds, and then sprinkling on a teaspoonful of saleratus once a day nntil a cure is cffected, which will be speedy.
L. P. W., Troy, Pa., says, " take four quarts of mandrake roots, boil them in water to get strong decoctiou, then add one pint of hogs' lard and siumer it down to a salve. This is rubbed on once a day and heated in with a warm shovel. I have tried it for twenty years aud never knew it to fail."-Rural New Yorker.

\section*{. 月hiscellany. \(^{2}\)}

\section*{STRENGTH OF THE BEETLE}

Turs insect has just astonished me hy its vast strength of body. Every one who has aken the comnoon heetle in his hand knows hat his limhs, if not remarkable for agility, are very powerful; but I was not prepared for so Sampsonian a feat as that I have just wituessed When the insect was hrought to me, having no box immediately at hand, I was at a loss where to put it till I could kill it; hut a quart bottle full of milk heing on the table, I placed the ceetle for the present under that, the hollow at he bottom allowing him room to stand upright. Presently, to my surprise the bottle legan to move slowly and glide along the snooth table, propelled by the musenlar power of the imprisoned insect and continned or some time to perambulate the surface, to the astonishmeut of all who witnessed it. The weight of the bottle and contents could not have been less than three pounds and a half, while that of the beetle was about half an ounce so that it really moved a weight 112 times its own. A better notiou than figures can convey will be obtained of this fact by supposing a lad of fifteen to he imprisoued under the great bell of St. Paul's which weighs 12,000 pounds and to move it to and fro upon smooth pavement by pushing within.-Prof. ama
Mr. J. Clay, of Buxton, Me., who recently isited the West, makes the following estimate or the Mainc Farmer of the cost of a prairie farm. One hundred and sixty acres will cost at \(\$ 5\), the lowest estimate, \(\$ 800\). To fence this with posts and boards (and it must he fenced to save the crops) will cost \(\$ 1\) per rod, makiug for feneing \(\$ 640\). Then it will cost as much or more, to build a house and barn there as herc, say \(\$ 1500\)-making the whole cost \(\$ 2,940\), before a single furrow of the tough sod is turned.
A decootion of the leares of common chamomile will destroy every specics of inseet, and nothing contributes so much to the ealth of a garden as a number of chamomile lants dispersed through it. No green-house or hot-house should ever he without it, in a reen or dried state; either the stalks or flowers will answer. It is a singular fact, that if a plant is drooping and apparently dying, in nine cases out of ten it will recover if you plant chamomile near it.

In ascending into the air the heart-heats increase five for the first three thousand feet even more for the next one thousand five hunred feet, eight for the next one thousand five hundred, and five for each one thousand five hundred feet of ascent after that. This is an average increase of one beat for each one hundred yards of ascent.

Pricss.-A comparison of present prices with those of the heginning of last year, shows that breadstuffs have advanced on an average about thirtyMarch, 1866, with those of March, 1865-when the war terminated-exhibited no material change. The manner in
strongly eontrasts with the rapid decliue which followed the termination of the war of 1812 . On Saturday, the day on which prices have thus kept up, sugar sold at \(\$ 29\) per hundred weight; on the following Monday it was frcely offered at \(\$ 12.50\) per hundred weight. Tea fell from \(\$ 2.25\) to \(\$ 1\) per pound. \(\widehat{4}\)

England has abont four hundred stean ploughs and cultivators in operation, saving easier for a horse to pull a load up an ascent the labor of about twenty-fiye hundred horses

\title{

}

THERE＇S WORK ENOUGH TO DO．
To meet the smilling morn，And gatherlng fragments for fts nestThe busy heland，wood，and lawn＇Mld swects of varied hue，At erery fower would seem to suy
            There's work enough to do."
        The dalsy in the grass,
        Preach sernons as eg plantine
        The ant wthln its carern deep
        Would hid us lahor to
        And smiles upon lts thy heap-
"There's work enough to do."
        "There's work enough to do."
        The sottikh druukard win;
        To rescue all the chlldren,
lu ignorance and \(\sin\);
        To help the poor, the huugry fecd,
To glve hime eoat and shoe,
        o see that all can write and reac
        There's work enough to d
        And mueh fans to he done;
        his wond'rous earth, and all 1 ts pride
        The moments dy on lygltn!
        And life's uncertaln too;
        e've none to waste on foolish thang
"There's sork enough to th ".
        Ho planets to their Maker's wilh,
        More onward in thetr ears,
        Progresstve as the stars!
        The lenves that futter in the
        The Summer hreezes too,
        - There's trorth to man declarc
        ho then can sleep when all around
        Is actlve, fresli, and free
        Less busy than the bee?
        路busy than the hee?
        If men would search thenl throngh,
        he best the sweets of tahor sleld,

General 璚iscellany．

\section*{FARMERs＇GRIITDSTONES．}

Tuere is no tool so essentina to the farmer as a grod griudstone ；and a sery correct idea may be formed of the management of the farm，by the appearance of this lomely but
usscful article．It the neimboring saw or edge tool factory，has furnislied one of its cast off＂＂hubs，＂which is huug on a woodeu shaft，and suspended in the crotch of a tree，or in a fence comer，you may rest assured that
such a farm will not produce four lundred such a farm will not produce four liundred
buslucls of potatocs，or forty buskels of wheat to the aere．But sucle cases are rare，now－a days，as this article has kept pace with the wonderful improvements iu mowiug maclines and farming implenents generally．The old fashioned，unfinislicd stoue，with square hole and uucertain grit，has been supereeded by
the finished stone，with sclf－adjusting slaft， friction rollers and treddle；so that one person can turn the stone，and grind any ordinary tool without assistance
In ofden times，the only grindstones in use eame from New Castle，in England，and al－ theugh very good for some purposes，they were nut suitable for farmers＇use，the grit be－
ing too coarse．The Nova Scotia stones were next introduced，and found to be a great im provenent on the New Castle．The Ohio grindstoues are very largely used by the far－ mers and others throughont the West；al－ thougla our Pennsylvania farmers prefer a good，blue，Nora Scotia stone；but recently a most excellent article has reached us from the sloores of Lake Huron，laving a fine，slarp
grit，leaving a fine edge，and eutting pretty fast．
Hopiug these remarks may induce our far－ mers to give this important tool the atteution it deserves，a few hims how to put it in order
may not be out of place．
First，－Always keep your grindstoue under cover，as exposure to the sun＇s rays hardens the grit and iujures the frame．

Second．－Don＇t let the stone run in water，o stand in water when not used，as this causes
soft places where none exist；
water to drin）from a water pot（an old whitc lead leg will answer），fixed abore the stone and stop it off when not grindiug．
Third．－Clean off all greasy or musty tools before sharpening；as grease or tust clokies up the grit；and always keep the stone per－ fectly round by razeeing it off when neeessury； and finally，ceery farmer should have a good grindstoue of his own，always ready for use， and wo one sloould be so improvident as to waste the cost of a stone by rumring to lii neighbors to grind his tools．

\section*{INFLUENCE OF WATER ON THE PRODUC} TYON OF MILK．
In a communication to the Frencls Academy of Scicuces，Mr．Dancel discusses the influence of liquid food and water upon the quantity of milk scereted by herbivorous animals．It is found that by inciting cows to drink largc quantities of water，the quautity of milk yielded by them can be iucreased several quarts per day，willont materially injuriug its quality； the aunount of milk obtained is approximatel proportional to the quantity of water drank Cows which，when staii－fed with dry fodder； gave only from nine to twelve quarts of mills per day，at onec produced from twelve to four－ teen quarts daily，when their food was mois tened by mixiug with it from eighteeu to twen－
tyy－lhree quarts of water per day．Besides this water taken with the fool，the auimals were allowed to drink at the same intervals as be－ fore，and thcir thirst was excited by adding to the fodder a small quantity of salt．The miilk produced nuder the water regimen，after hav－ ing been carefully analyzed and examined as to its chemical and plysical properties，was adjudged to be of good quality ；cxcellent but－ ter was obtained from it．
The precisc proportion of water which can thus be given to cows with advantage，is a point not readily detcrmiuable，sinee the ap－ petite for drink differs very considcrably in dif－ ferent individuals．But by observing the de－ gree of the appetite for drink，in a number of cows，by taking note of the quanity of water in the course of twenty－four honrs，and con－ trasting this quantity with that of the milk produced，Daneel asserts that any one can see that the yield of milk is directly proportional to the quantity of water absorbed．He asserts， noreover，in as mauy words，that a cow which loes not habitually drink as mucli as twenty seven quarts of water per day，and he has met with snch，is actually and necessarily a poor
milker；she will give only from five and a half to scyen quarts of milk per clay．But all the cows he has scen which drank as much as fifty quarts of water daily，were excellcut milkers，yielding from nineteen to twenty－three quarts or more of milk．Iu his opinion the quantity of drink consumed by a cow is a valu－ able test of her worth as a milk producer．
Iu the maiu，these experiments do but illus－ trate with greater precision，facts whiclı have long been familiar to practieal men．The nurse，when suckling the human infant，does not naturally cousume much more solid food than beforc，but of liquids slle chrinks mueh
larger culantities．After a cow has begun to larger gluantities．After a cow has begun to give milk，slie drinks far more water than be ing，accordiug to Dancel，from between eleven and eighteen quarts per day，or even less，to twenty－scren，thirty－six，or forty－five quarts of norc－at least for the breed of cattle upon whicll he has experimented．
As Dancel justly urges，howerer，the princi－ ple here laid down has hitherto not heen suffi－ ciently recognized by men of science，in many of the experiments which have been underta－ ben for the purpose of comparing the value of different kinds of fodder，and of determining the influences which they severally exert upon the production of milk．
Though p resented as a physiological disquisi－ tion，and by no means without value from the plysislogist＇s point of riew，Dancel＇s paper will be more likely to attract genera attention from its learing upon the rexed sulbect of
tion be adnittel，thint by inducing a cow to mink every cay twenty odd funarts of waten more than her amenstomed ration，several ati－
ditional quarts of mille can lee oltained from ier，and if the practieability of the operation be aecepted or proved，then the question at once arises as to wilether or no the method now under disenssion will be in any way pre－ erable to the fime honored custom of addin a ecrtain amount of water to the milk after it
has left the cow．The enstomary method，at first sight certainly seems to be simpler than the plan now hinted at，of pouring six limes the needful qu：intity of water down the cow thus indirectly＂＂extended，＂a la Dancel，will be supcrior in quality to milk watered to the saune extent after the milk has been taken from le corr．Not only will analysis be likely to exlibit a far closer approximation to the com－ position of ordinary normal milk，in the for that milk diluted within the animal，will re ceive a certain share，at least，of tlat elabora－ tion and eommingling of its ingredients which s as yct inimitable by may，and which so widely distiuguishes organized matter fron lhat which is unorganized．The milk of the
water－soaked cows must still be regarded as milk－not as ：：dulterated milk．Miilk of qual ity somewhat infcrior to the ordinary it may be，in spite of M．Dancel＇s opinion of the con－ trary，but it is still the animal secretion，milk， and not a mere mixture of milk and water Here，as in a host of other cases of so－called adulteration，it would be well if dealers would only adopt somic system of just adaptation of price to quality；just as in the Russian mar－ and third quality egges，accordiug 10 the leugth of his purse and the delicacy of his taste．

\section*{cattle raising in switzeriand．}

\section*{Laxd for cattle raising in Switzerland is no} sold by measurement，but at a value corres－ ponding to the number of catte it will main Switzerlaud is fonnd on the summits of the iu－ ferior Alps．In fact，theà word＂alps＂meaus flat table lands almost always found ou the tol of these momntains．By long usage，the word las come to be considered as applying to the
whole elevation－particularly ty foreigners． The S wiss customs regarding the pasturing o cattle npon these＂alps＂are novel，and may be interesting to our readers．
The cattle are pastured upon the lower pas ture until about the first day of June in each
year．The＂alps＂are then ready to receive them，aud on a certain day，determined be forehand，and announced through each Canton （or county）they are driven in a body to the a time of rejoicing，aud the day set apart for grand fete．As a general thing，the differeut ＂alps＂are owned by different villages as cor porations，and not by individuals．Many o
them are walled in by a rude stone fence thougl many are left in a perfectly natural state．The number of cattle that each＂alp cau manatain varies from fifty to al hundred， pertuaps fifty is nearer the averagc．
On the summits of these alps are buildings in which the＂vachers＂or cattle－keepers live These are calied＂chalets，＂aud are long，tow and picturesque in their appearancc．The roof is laadect with heary stoues－a very milc ligh－and，besides，is often bound down to the rocks by eables．There are，usually， three rooms－one long and narrow，wilh eiller side，into which the eattle are driven at niglit，or duriug stormy weather－another where the cheese is made，and the thirdi，small， and used for various purposes．
There are usually four＂rachers＂ou cach
＂alp．＂They remain with the cattle cluring
 eclusive charge of thein，and are accountable or all heir increase or producl．Once each month the different owners make a visit to the
＂elaalet＂and witness the morning and evc－
uing milking of their cows and note the
amount．Chesese is made at these＂clalets＂ amount．Chesese is made at these＂chalets＂ twice a day and the accumulated ：mount is
wreelly sent to the valley below．The lile led by thesc＂rachers＂is an exceedingly pleasimt one，provided they happen to be ou avorable＂alp，＂hut in the majority
The storns that rage about the summits of these high mountains are often terrific．The
mountains are often cuveloped by dense elouds charged with electricity and accompsuied b errible winds．During these storms the cattle re sometimes lost and the＂vachers＂must ook them up at great peril to their lives，when s is often the casc with the slecep and goans，
they have fallen down some prectipice and lodged upon some projecting crag．Many of these＂alps＂＂are like the rool＂of a house and
Calal：only be tenanted by goats．In thesc calses hoys are hired to watch them，at the ridici－ lously small sum of two dollars for the season． They literally live with their herds sleeping rith them and having no shelter sare what hey can find under some kindly projecting ock．
The tetal product of these calte is immeuse． export amounts to many houdred thonsand dollars，and this after Switzerland las been supplica．The amonut of cheese consumed by the Swiss is rery great，it being a staple article of diet，even to the extent of bcing to them what the potato is te an Irislunan．The export of catte is also quite large，often reach－
ng seventy－four thousand head．The number of cattle fed upou these＂alps＂and in the lower pastures is nearly one milliou．
A singular eustom is observed in the Cathol－ c clurch，and is illusirative of the hold cry season the priests go frow alp to alp and he day that ceremony is performed the milk inade into one large cleese，and is most re－ ligionsly set aside for the clurch．Ou a given
day the＂vachers＂descend with this enor－ nous cheese and mecting al some designated spot，march wilh then on their shoulders to the church where they deposit them before hic altar，receive again the priest＇s blessing， ond then return，assurcd that they and their
The Swiss uakic a kind of cheese from goat＇s milk which is used in the place of butter and most delieious．Anotler kind with a name is a great favorite with the common people and is really good when once fairly past one＇s olfactorics．
Very little butter is made in Switzerland－ not cnougls even for domestic use．a suanll mount is annually imported．What is made never salted，and that which is imported in a salted condition is not considered fit for the
table．
The Swiss have auother domestic animal Which always seemed to me to be a eross be－
tween a calf and a grey－houud．This they－ facetionsly call a pig，but oue must have an organ of faith fully developed to believe them． On meetiug in the woods one with his long or some friendly tree that he may secure safety from the unknown auimal，which how－ rays his genus by his voiec．

A Goon Cow．－Daniel OCounell once saved cow thicf from hanging，though the fellow wards returned to Ireland，and made himselt known to OCounell，and in requital for his erviees as counsel，he said lic would impart a raluable sccrct．＂If your honor wants 10 steal a cow go ou a dark，rainy night，and take a cow that stands out in the fiedd，and sure ye＇ll
get a good one．The weakly ones，yer honor， lways shelter under the hedge if the weather is lad．＂

For every friend a man loses for trutlis sake e grains a better．

Insigratron．－It is a suggestive fact that the immigration of millions of foreigners has not，as native laborers once feared，proved a serious compe－ ittion，reducing the rate of wages，On the contrary，it has advanced greal public works which have openel new aud wider fields of industry and
las pusled the native laborer into the artisan ranks and the sphere of skilled labor，with lighler wages，more exercise of mind，and less of muscle has pushed the native laborer into the artisan ranks and the sphere of skilled labor，with highler wages，more exercise of mind，and less of muscle than before．Whien it is remembered that in 1860 there were \(4,136,175\) foreign residents，and at least \(5,000,000\) at the present time，or one－sereuth
of the population，and a still larger proportion of the actual labor of the conntry，this result must lie aeknowledged to be convincing evidcace of the of the population，and a still larger proportion of the actuan labor of the conntry，
great resonrecs and vast power of labor asorption possessed hy the United States．

Sketches of Ir ravel
A VISIT TO THE VALLEY OF CHAMOONI, IN THE SUMMER OF 1854.

\section*{by hon. Jamies w. Walle, new jersey}

The valley of Chamouni is the area pro vided by nature for the perfect exhibition Mont Blanc. Its space, except where occu-
pied by roads, by its two soapy colored rivers, pied by roads, by its two soapy colored rivers,
and by tbe streams that rushing into them, intersect it like net work, is chiefly occupied hy small, bright farms, each with its nest-like homestead, dotted sometimes with dark groves of trees, only now and then relieved ly alder busbes and the dazzling gleam of the scarle berries of the mountain ash. We found most excellent quarters at the Royal Union Hotel, and those comforts so refreshing to travellers
who have endured the fatigues of so rongh who have endured the fatigues of so rongl The next morning, looking directly up to the snmmit of the Monarch of Monntaius, froumy chamher windows, I could scareely realize tha it would require eighteen hours of steady climb ing, with a night's rest between, to accomplish
its ascent. At noon, while looking at some its ascent. At noon, while looking at some
adventurers whe had startel the day hefore to reach the lofty summit, I began to have a more perfect realization of the immense height of the monntain. They had just reached tbe top having started on their return; hut with a tcle scope of considerahle power, you could only
discern tbree dark spots abont the size of moles, discern tbree dath snow covered sides of the
moving down the mountain. Tbe second morning after our arrival, we started for an excursion to tbe Mrer de Glace. It is attained by the ascent of some three tbonsand feet above the level of the valley, which some three hours' climbing on the part of yourtrusty mules, enahles you to reach.
It is exceedingly stcep in some parts, hitt not in the least difficult. A gradual ascent, bordered on each side by masscs of rock detached by some strong convulsion from the Claudine,
sides, brings you to the Fountain of Clatd where, in the opera of Leridin, the heroine has her first interviews witb her lover. During our ascent we had, throngh the open places in ley with its different villages, surrounded by trees and corntields stretching along tbe banks of the Arve. On arriving at Montanvert, the scene changes entirely. Insteal ot a fertile plain, yon find yourself on the brink of a precipice, overhanging a scene worthy of the Arc tic regions, a large valley of eternal ice and suow. The Mer de Glace is immediately he-
low you, in shape almost a circular basin or ampilheatre, and seems, to iny recollection, to he imbued with even more bearty tban gran deur; for its floor is formed of sheets of waving ice, wbich, except that it is broken here and there by the glistening blue of a crevice, rocks circling it, splintered into fantastic varieties of summit, harmonize remarkaby in color with the ice, and are dwarfed by the dizzy heights beyond them ; and the Aiguille dn Dru, rising in the shape of a cone of pale brown, looks like the spirit of beanty sheade glace, or Ice Sea, is full fifty-fonr miles long, and in some places three miles wide. The thickness or depth of the glacier varies according to the surface; the average is from eighty to one hnndred feet; but in some places, owing to the hollows in the rocks beneath it, may he as much as four or five hundred. This great Sea pour forth from different sonrces in tbe higher pour
Alps.
Tbe origin of these glaciers is from the accnmulation of snows in the upper valleys. In the Spring and Summer these masses become saturated dnring the day with rain water, or imbibe the moisture of their exterior, which has been liquefied by the rays of the sun, During night or on the approach of Winter, the remnant is frozen into a mass of porons ice, which is again covered by a coating of ice, which is again covered by a coating of
snow the next Winter, and thus, by degrees,
in the long progress of ages, these glaciers have been tormed.
We descended to tbe level of the glacier afte a short rest in the Pavilion of the Montanvert, When yon arrive upon it, the appearance is,
for all the world, as if by some magic spell, raging, roaring torrent, rnshing headloug in its course, had heen arrested in mid career by the breath of the Ice King. Still as the glacier appears to human vision, that vast icy bed is in continnal motion, moving downward toward the valley into which it intrudes some cousider able distance. It moves on with a steady flow although no eye sees its motion; but from day to day, and ycar by year, the secret, silent cansc, whatever it may be, produces the certain, snre effect. The avalanche feeds it, and swells its flowing tides; and at night, when he mountain life is almost still, when it couutless veins are frozen up, and the mmrnu of its thousand rills is hushed to rest, the gla ciers' great pulse alone beats heavily and slow Nothing is nore curious than the transporta tion of immense masses of rock into the valley hy tbis constant movement of the glacier; and at the foot of the Mer de Glace, known as the Glacier des Bois, may be seen huge masses of ock that have been thms strangely transported into tbe valley by the unsecu bnt never ceasing notion.
Where the glacier presses its terrific plongh share into the valley, it turns ap the soil and wrinkles in advance the green sward of th meadows, brings among the fields the hlasts of Winter, overlhrowing everytbing iu its tremen dous progress. It wonld be impossihle full o describe the sublime wildness of the sccner surrounding the Mer de Glace. Beneath your where the heat of the valley has atlast checked the progress of the glacier, rise the frozen raves, some as high as twenty or thirty feet. ronnd on all sides, ten and twe thosan feet above the sea level, the needle slaped ocks that give such grand effect to the scener of the valley, are piercing the skies. On the
left you hare the Aignille du Dru, belind it the Aignille Verte, on the right, the Aiguille du Moine and the Aiguille du Bochard, while ronnd extends a rampart of colossal rocks, rhose crumbling summits attest the influence of many tionsand seasons, and whose sterile randeur has an imposing effec: npon the mind. Our descent from the Montanvert was mnch more rapid than our ascent, for in two hotel. That same evening we visited the sonrce of the Arve, a rapid torrent issuing rom a vault of ice under the extremity of the Glacier des Bois, the lower part of the Mer de Glace. This remarkahle fountain head of the valley stream, is one of the finest sights in Clamouni. We soon reached the moraines of rock and stone bronght down from the monntain in the course of ages by the action of the glacier. Then we clambered over these immense deposits to the edge of the ice which rises like a hnge wall, and listened, in the stilless of the evening, to the mighty straining and crushing noise that came from the buge mass abore. The Arve here rushes from three
low arches at the foot of a dark blne cliff of ice, turbid and fcaming: and as the eye peers nto the darksome vaults above, tbe imaginaion begins to picture the terrible aspect of the interior. We crept as near as the stream would permit, and leaned over the rocky ramparts to gaze and listen. Tbe whole scene around was of the most impressive character. Tbe water here rushes swifty, and with great noise from its source deep in the heart of the
glacier. At times the volume is largely increased, and often the sudden checking of the stream has been the canse of terrible devastation. Some years ago, the arches at the foot of the glacier being worn by the water, fell in, and the fragments becoming frozen, choked up the glacier river. The waters thus impeded accunulated rapidly, until at a point many hundred feet above the former vent, they burst through in a tremendous cataract, and with a deafening roar, tumbled headlong npon the valley, sweeping trees, fences and dwell-
glacier could produce snch consequences, what might not be the devastation, if the whole four hundred, large and small, should he placed in similar position. Taking the glaciers as from three to fifteen miles long on the averagc, ne to three miles wae, and from one to nine undred tbick, the calculation has heeu made that abont thirty millions of cnbic fathoms of ce are transported down the monntain ravines ery year.
Looking up at the huge arches, lumps of tone, large and small were continually falling how plunging into the stream, now clattering to the hollows of the moraines, indicatin he ceaseless movement of the mighty mas bove. It was rather a warm evening; hut the vicinity of this huge mass of ice produce cool, dcscending current of air, and it be came quite chilly. How striking, too, was the contrast in view-a cataract of ice barred apparently by a dam of rocks, a torrent rushing from beneath, a waterfall tumbling in crowd of spray from above. Within a few feet the frozen mass, grass was growing with fii trees bordering it, until lost behind tlee bend
towards Montanvert. It was in truth Winter owards Montanvert. It was in trath We intrusion into his teriitory, yet held in check by Summer's warm and glowing breath. Fa in the distance, looking upward along the gla cicr, rose the tall Aiguilles, witb their lofty pin racles tipped with the rosy hues of the stur light that had long left the valley. It was a
sceue of beanty, once seen, never to be erased sceue of beanty, once seen, nev
from the tablets of the memory.

\section*{Wfireside 㨄iscellany.}
the dodble tree at chester, mass.
Tre March number of the American Journal f Sciences and Arts contains an interesting account, written by Payson W. Lyman, an Amberst College senior, of the remarkahle nnion of two elm trees. This double tree stands about a mile from the little village of Nortl Chester, in a narrow ravine, near a he ground at a distance of about 30 feet, one of the trunks betng \(\frac{21}{2}\) feet in diameter, and nearly 100 feet high, and the other somewhat maller. At a height of about 14 feet, an arch springs from the larger tree, and extends over to the other, which it reaches four feet from he ground, where it is firmly united and joined n a living connection, tirough which the sap apparently circulates freely. Its appearance is as though, at sone early day of tbeir history, a branch of the larger trec was bent over and grafted into the smaller, and tradition confirms he supposition. More remarkable, if any thing than the union of the trees, are the three separate, npright trunks which have grown up from the conjoining arch. Tbesc are respect vely 14,11 and 6 inclies in diameter, and their aggregate weight is estimated at 4400 pounds. About midway between the two original trees, a beech tree is growing, but before reaching the arch it divides, and iuclndes it in its branches, without tonching or in any way supporting it. The entire combination is very curious and interesting to naturalists, but like most of the home wonders, has never attracted very wide attention.

Rond-Making.-The following hints upon this sulhject we find worthy of considera ion; and as in the Spring much time is de voted to repairing and making roads, we give them for the benefit of farmers and other

In road-making, one great requisite is the rcady and total removal of all water. There the side of it or on it. If the ditches have no ready outler, the road bed will soak up the moisture more or less by capillary attraction, and thus remain rutted and muddy. It is vain o think of having a good road on a subsoil filled with stagnant water. Even on side bills, If water remains on the npper side, it will in jure the road by passing under. Provide then, if possible, for the thorough drainage of your roads, either hy surface or covered ditches,
rounded, so that the water can readily find its way to the drains. If the soil is clayey or loamy, give it a few inches of gravel, or even coarse sand, and yon will have a fine and pleasant passage-way. If the soil is sandy, it needs an addition of clay to correct it, and this will correct it so that good roais may be had over he lightest sandy soils.

Change of Name. -The Entomological Society of Philadelphia has changed its name to the American Entomological Society. This ohange is one that shonld have heen made before, as it will serve to give national repntation to a most usefnl Society, the only one of its kind in the United States. Its energies are devoted to the advancement of entomological science throughout our country, to the investigation of the character and habits of insects, which are disseminated throngh the pages of tbe Practical Entomologist, a monthly journal issued under its auspices at 50 cents per annum.

Manure Should be Well Mixed with the Soll.-Prof. Way, in his lectures hefore the Royal Agricultural Society of England, said his experiments showed that the soil was no idle spectator of what took place in it ; that it was not a mere meeting place for the roots of plants and the food they were to grow upon, but that it was actually the stomach of the plant. Or be might go further, and say that nature had actually given to the soil the function and office which in animals is performed by tbe gastric juice and the chylethat of preparing and digesting the food of plants. This is perhaps somewhat fanciful, bnt that it is very advantageous to thorougbly
incorporate manure with the soil, ne observing farmor can donbt.

Starch in Potatoes.-Dr. Nessler, of the Dnchy of Baden, has sbown by analysis that the nntritive value of potatocs varies with their size, and in favor of increased bulk. Potatoes about two inches in diameter contain \(17-2\) per ent, of starch, and those abont the size o walnuts 14-6 per cent. We infer that full growth
starch.

The dry air of Minnesota produces some curions results. Not long ago, a gentleman now living in Minneapolis bronght a piece of hlack walnnt from the East which liad been used there for years as a stand for a mantle clock, and the clock was covered by an oval glass, the bottom of which fitted into a groove in the stand. The wood bad never shrunk, and was supposed to be thoronghly seasoned; but in less than six months in the new atmospherc it had undergone a change which had shivered the glass to atoms.

The Iniustrious Beayer.-The Garden of Plants in Paris now possesses a beaver from Canada, to which comfortable quarters have been assigued on the banks of the rivnlet which intersects a part of the menagerie Desirons of mecting the wishes of the new comer in every possible respect, the administration had provided a hat for it; but the Canadian stranger, having inspected tbe premises, and not found them to his taste, has bnilt up a new mansion in his own way, nsing his tail both as a trowel and hammer.

Buckwhrat Cakes - Hall's Jonrnal Health says bnckwheat cakes, properly baked are very healthy and nntritious. They should be put on a soap stone griddle, over a good fire, and turned once only, and the sooner they are eaten after baking the better and healthier tbey re, When turned over more than once, lik wheat cakes, they are spoiled, and instead of heing the most nutritious of food, become tbe most indigestible. Some housewives, not knowing this fact-which is really a chemica ne-spoil this favorite food. Soap stone gridcakes.

Brautiful Praykrs. - Tbe prayers are beautiful that reach the throne of God. The fervent prayer of the righteons man availeth much and is beantiful. The prayer of the widow and fatherless, who have no helper save He who heareth tbe orphans cry, is indeed beantiful. The prayer of the infant matical, is beantiful. The prayer of the poor man, when "God heard him and delivered him out of all his trouble," was beautiful. Tbe prayer- of the
pnblican, who smote upon his breast, and said, "God be merciful to me, a sinner," was beantiful. The prayer of Stephen, wben amid the storm of pnblican, who smote upon his breast, and said, "God be merciful to me, a sinner," w
stones he cried, before he fell asleep, "Lay not this sin to their charge," was beautiful.

Farman firestor
c. w. Tmos. E foss Ebirros.

SATURAX, APRLL VT, 1867.

\section*{ORNAMENTAL TREES.}

Notmse improves the lawu, or the front yard to a house iu the eountry, more than a judieious selection of orumental trees. They are not only an adornment, but a permanent
improvement to the rural homestead. Even improvement to the rural homestead. Even
the cheap house, the plain eottage, rough, unpainted and eonstrueted without architeetural taste, are improved by contiguity of shade trees. The landseape is ideal and pieturesque only by fruit and forest trees; and the ehief charm to eountry houses, in our estimation, is the ornamental trees which stand grandly around them.
Eyergreens, among other varieties, should
not be overlooked; and as they thrive in nearly all deseriptions of soils, are not liahle to failure. Among these we would recommend the Norway Spruee, Austrian Pine, all beautiful trees. They grow large, consequently should not be planted nearer thau sequently should not be planted nearer thau
ten feet from the walk or road, else they will require trimming, whieh destroys their natural graee, fullness and heauty. Among dwarf evergreens, we like the Siberian Arhorbeta, the English Yew, and the Irish Juniper. The moted question. Some preter the Fall of the year, while others seleet the Spring. Thomas Meehau, in his hook on Ornamental Trees, says, "Autumn planting is preferahle under most eircumstances; yet it ean be done in any season of the year." He auds:--"I lave plauted every month for experiment sake.
The worst period is just atter the tree has hurst forth its leaves in Spring." This is true; but there is little dauger to suecess if properly transplanted. We.have set out evergreens in April, May, and even in June, and rarely lost a tree. In the Northern States Juue is regarded as a favorable time. Select smallish trees, plant on dry, or drained land, and with proper transplanting, they will generally liv and grow vigorously

\section*{AGRICULTURAL FAIRS}

It is announeed (not offieially), that the Pennsylvauia State Fair will be held at Norristown, in September. The grouuds have beeu used for the State Agricultural Soeiety hefore, and are well adapted for the exlibition. A the selection is not a eentral loeation, we regret that the offieers of the Society overlooked the elaims of Philadelphia. If the oljeet is not to aecommodate eontributors within the state,
the next thing should have been to seleet a plaee that would net the largest revenue to the Soeiety. Philadelphia has ample aecommodations for an army of agrieulturists; aud her resident eitizens and visitors would patronize the exhibition as liberally as any other section. The New York State Fair will be held a Buffalo, from the 1st to the 4th of October Buffalo is an out-side scleetion; and a great disadrantage is, that temporary buildings will have to he used. Western New York, however, has claims for the exhibition, as it has been sereral years since the State Fair was held at the point now seleeted. Besides, the Western portion of the Empire State claims some of the finest herds of improved cattle, sheep and horses, as well as many worthy and eminent breeders of farm stock
The time of holdiug the Ohio State Fair will he September 23d to the 26th. The place Dayton, the youngest and one of the most enter prising eities of the Buekeye State. All the principal railroads eenter at Dayton; cousequently the facilities for transporting stock to the Fair grounds are good. This eonsideration is an important one, and should be re membered by all executive agricultural committees.

THE RHODE ISLAND SOCIETY FOR THE EN COURAGEMENT OF DOMESTIC INDUSTRY.
The stated meeting of the stauding commitee on the 17 th inst., was attended by seveuteen members.
The Treasurer made a report, showing a balanee of \(\$ 62,30\) in his hands.
The Secretary reported a list of artieles reeeived at the rooms of the Society since the last stated meeting of the Board. Among hese was a large number of the Annual Reports of the Agrieultural Department, for the years 1864 and 1865, from the Hon. Thomas A. Jenekes. These are for distributiou among persous engaged in agrieultural and hortieultural pursuits. The transactions of the New York State Agrieultural Soeiety in the year 1865, and the thirty-ninth Annual Report of the Ohio Meehanics Institute, 1867, reecived from those Soeieties, had been added to the ibrary.
The staudiug sub-eommittees reported their rganization as follows:
On Mechanic Arts-Geo. F. Wilson, Chairman; William E. Barrett, Seeretary.
On Fine Arts-Seth Padelford, Chairman Joseph Hodges, Secretary.
On Zoology-George D. Wilcox, Chairmau; Charles N. Hoyt, Seeretary.
On Mfiscellaneous Subjects-Henry Staples, Chairman; William Viall, Seeretary:
The Executive Committee heretofore appoiuted for the Cattle Show and Industrial Exhihition, reported progress on the duties assigned them. It has been resolved to hold such an exhihition at Providence in the Autumn, in connexion with the New England Agricultural Soeiety, the programme of which will be eoupleted shortly. In view of this, he Board voted to adjourn to meet at the eall of this eommittee.
Mr. Dyer presented a model of a gate, an improvement on Harrah's patent gate, in this, that the bars that form the gate are horizontal when the gate is closed.
"Iu-and-in Breediug," the suhject proposed for diseussion, was diseussed at length by E . Dyer, E. A. Lawtou, C. Harris, G. F. Wilsın, J. B. Franeis, John Holden, A. B. Chadsey, Obadiah Brown, William Viall and J. H. Bourn. The diversity of opinion on that suhjeet held by the speakers, was not eutircly re moved hy the diseussiou. That diversity was mauifested by the reunarks made, and apparently justified hy faets detailea. The general impression seemed to he, that if pursued beyond the secoud generation, "in-and-iu breed ing" was deeidedly injurious; betore that it
would he less exeeptionable, if aecompanied would he less exeeptionable, if aecompanied
with great eare iu the selection of animals to hreed from.
Twenty-two new members were added to the Soeicty.
The March Report of the Agrieultural Department has been reeeived. The stock tahles are interesting, and show indications of ncreased attention to the breeding of furm animals. The fact is daily heeoming more appareut that stock-growiug is a more profitable
hraueh of agriculture than grain production, especially in loealities distaut from market. The indications for a good wheat crop are gencrally favoralle. The snows of the past Winter, and the geueral uniformity of eold weather, prevented winter-killing in a great degree.
Challenge Aceepted.-The ehallenge put orth by the owner of the great Kentueky mare, Lady Thorn, to trot fonr races at \(\$ 1000\) a side each race, against any horse living, at mile heats and two mile heats, in harness, and mile heats and two mile heats to wagon, has been taken by the owner of the renowned troter Dexier.
5is The Ohio Wool Dealers' Association, which met at Cleveland, 18th inst., estimated the elip of wool for 1866, at \(75,000,000\) of pounds. That's "pulling the wool over our eyes," considerahly.
Many people who failed in raining in Nerada have made fortunes in farming.

\section*{"BUCRS COUNTY FOWLS.}

A Delaware correspondent, who is evi dently well posted on domestie juphliry, says that "after a trial of four ycars, I have dis-
earded the Buclis County jouls, as rery unprofitahle." As this correspondent fails to inform us why he bred this kind of fowl-whether for eggs, or for the tahle-we are not inclined are "very unprofitable,"
If we were to seleet a lot of poultry for good layers, it would not be the "Bucks County fowl," hut the Black Polands, Bolton Grays or the Dominique variety. To raise for mar commendation. They lay large, ciunamon colored eggs-from twelve to sixtcen at a litterhut are rather poor sitters. Henee their eggs should be put under some other variety of
hen. Our Delaware friend thinks the "chickens are not hardy." On this point, we are no qualified to answer. Mueh generally depends on the feeding, the locality, aud the attentiou given to young fowls.
For eapons, we consider the " Bucks Coluty fowls" very supetior. Their great size, vor'athem for this purpose, At maturity eapons of this hreed will weigh from seven to ten pounds eaeh; and we once saw a pair that weighed over twenty-one pounds! In the Phila-
delphia markets they lave a good reputation, and we have yet to hear of farm-yard fowls that exeel them for the table.

\section*{climbing plants.}

No elass of plants are unore interesting and useful in the hauds of the tasteful gardencr, than the elimbers, for eoveriug arhors or fences, shading windows, ete. First in importance
among these is that old favorite, the Convolrulus Masor, or Morniug Glory, an aunual of easy eulture, and consisting of mauy varieties, differing in eolor, as rose, purple, striped, ete. The seeds may be sown carly in Spring, and support must he provided before the plants show a disposition to elimh.
The Cobea Scandens is one of the mos beautiful of the elimbers. It grown in a hotbed aud transplauted in May, it will make :
growth of from twenty to forty feet, aud afford a delightful shade. The flowers are hell-shaped, large and purple. The leaves are fine, aud the tendrils, whieh are very delieate and thread like, attaeh themselves to anything withiu reach. If the plants are set out in a large pot or box, they may be taken up and removed to
the house iu the Autumu, and will there flower, the house iu the Autumu, and will there flower;
makiug a most admirable Wiuter ornament. The Cohea should be planted iu a warm situation, if possible.
The Ipomen, or Cypress Vine, is another excellent elimbing annual, that, like the preceding, needs a warm situation. The seed may be sown in the open ground duiug the latter part
of May, but it is far hetter to grow plauts in a of May, but it is far hetter to grow plauts in a
The Coming Weathem. French seieutific The Comng weather, - French seleutinc meu prediet that the Summer of 1867 will be
eold and wet like that of 1866 , and they hase the predietion on the faet that immense masse of iec have broken or are ahout to break away from the extreme North, produeing cold and rapor. These prognostications, however, are oot much to he depended upou; for it will he reeollceted that last Fall, the aliseuce of the
usual quantity of small fruits, unts, \&c., and various signs hesides, augured a very mild Winter, especially in the West. Ereryhody's re

Trie Exceutive committee of the New York State Agrieulturai Soeiety have resolved to hold their next annual exhibition at Buffalo. The trial of implements is to take place at Utica in May.
The Farm anl Fireside in Monthly Parts.
Hereafter the Fary and Fireside can be had in Monthly
Parts, in neat covers, at twenty-dive cents each. Those for Parts, in neat covers, at twenty-ive cents each. Those for
January, Fehruary, March and April are now ready. For sale hanuars, Fehruat,
hy all new mamen.

\section*{SOLL FOR THE FLOWER GARDEN}

Tue best soil for the garden is a mellow loam, but almost any fair soil ean he made
suitahle hy draininy, deop digging and enriching with good stahle manure, or eompost If the soil is heary, sand and ashes loam, e applied with adrautage. The eompost or manure, if well mixed with the soil, will unellow it, and work a deeided ehange in its texare in a few years. The thorough preparation of the soil is a very important matter, in faet, the foundatiou of all grood culture, and
must not he slighted. We would recomment liat the ground should he dug and mellowed boroughly cighteen inehes deep. This may he considered troublesome, but it must he rememhered that in the garden everything must leasure. If we would obtain tlowers such as are deseribed in the journals that treat of garmust give theur the very best of fare. This is the reason why some are disappointed. They read descriptions of choiee things, and purflowering they find they are not what they anicipated. The deseription whieh induced them to buy was of flowers well grown; they
have given theirs no more eare than they vould a eabbage or is hill of corn: hence the difference.

\section*{A FRUIT EL DORADO.}

It would seem that the soil and elimate of Florida is especially adapted to fruit
eulture. Sol(un Rohinson says thai a man ould be pretty sure of a fortune from a mursery estahlished immediately at St. Augustinc, or rather preferably, at Jacksonville; for the ountry is rapidly settling with people who will waut to plat a few oranges, lenous, hines, eitrons, shaddocks, guaras, banauas, peaches, and ornamental trees and shruhs, Which no one knows, now, where to ohiain,
Thousands of wild trecs have been trausplanted from the wrods to gardens the preseut yeur. In some places traets of wild oranges have heen hought, and the proeess of convertng them into sweet fruit commenced. The o go to the woods and dig up some orauge rees, which are found abundant in some locallties, and cut off the entire top, and loring home the stump with a few roots to plant. The eprouts start direetly, and when large raure family, whiel vary variety of the cluding all sorts of oranges, lemons, limes, haddocks, and citrons. There is no fruit so easy of propagation, for the sceds of each sort produce its like. The huds take readily, and seed in eight or teu years.

Great Sale of Thorough-bred Devon ough bred Deron Stock took plaec at his resilence in Woodsiock, Coun., April 18, 1867, when he sold his entire herd of Thorough-
hreds. The sale was well attended hy gentlened. The sule was well attended hy gentlehe hidding spiriteri. Mr. Johu Dimon, of Pomfret, Comn, was the largest purehaser, he having purehased one half of all the Thoroughbrell stock offered for sale, among which were some of the finest Devou Cattle in New Engand, several of whiel were "herd-book" premium animals.
Tile Agmeultcbal. Commissioner. - The Senate spent two hours in diseussing the to mination of II. L. Capron of Illinois as Commissioner of Agrieulture, and postponed it until December nexi. The opinion was ex-
pressed in the debate that the agricultural soeieties throughout the country should unite on a good man for that place, and that the President shonld nomiuate the one agreed on.

Mru Pardee of Illinois, has fouud that lime laked in salt brine, sown broadeast, has kept
asects from strawherries.

TuE world is erazy for show. There is not one person in a thousand who dares fall haek on his real, simple self, for power to get through the world, and exact enjoyment as he goes along. There is too mueh living in the eyes of other peoplc., There in no end to the appug, the mimiery, the false airs
and the superfieial airs. It requires rare eourage, we admit, to live to one's enlightened eonvictions in these days. Unless you cousent to join in the general and the superfieial airs. It requires rare eourage, we admit, to hive to one's enlightened eonvictions in these days. Unless you cousent to join in the gencral
eheat, you are jostled out of reaeh, there is no room for you among the great moh of pretenders. If a man dares to lire within his means, and is resolute eheat, you are jostled out of reaeh, there is no room for you among the egreat moh of pretenders. If a man dares to live within his means, and is resolute
in his purpose not to appear more than he really is, let him be applauded. There is sometling fresh and invigorating in suel an example, and we should


\section*{trailing arbutus.}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow{11}{*}{\begin{tabular}{l}
My friend, smiling, laden \\
With May flowers, ere the May \(S\) weeter hlossoms never grew, May and morning, sum and dew. \\
Whence their hreath, like music Whence their flush, like dawn Whence that soul of Spring time \\
Have they softly drawn? \\
Wherefore should they folded be In such tender mystery? \\
For their old, dear sweetness, And their heauty rare, For the shore they grew on, And the name they bear, In my loving memory
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Firesite IVale.

\section*{AN ENGINEER'S STORY}

I Aar an engineer. For sinee-road was laid, I've travelled over it every day, or nearly every day of my life.
For a good while I've had the saunc cagive in charge-the San Fraueisco-the prettiest engiue on the road, and as well managed, if I say it, as the hest.
It was a south-western road, rumniug, so we will say, from A. to Z. At A. my good old mother lived; at Z. I had the sweetest little
wife uuder the suu, and baby; and I always wife uuder the suu, and baby; and I alway
had a dollar or two put by for a rainy day. had a dollar or two put by for a rainy day.
was an odd kind of a man. Being shut up with the engine, watehing with all your eyes aud heari aud soul, inside aud out, dcu't make a man talkative.

My wife's name was Josephine, and I called her Jo. Some people called me unsociahle and eouldu't uuderstaud how a man could feel frieudly without saying ten words au hour. So, though I had a few friendsdear oues, too-I did not have so mauy acquaintanees as most people, and did not care to hare. The house that held my wife and baoy was the dearest spot on earth to me, except the old house that held my mother, up a
I never helonged to a club, or mixed myself up with strangers iu any way, aud never should, if it hadn't been for Granby. You see Grauby was one of the sha:eholders, a handsome, showy fellow. I liked to talik with him aud we were friends. He often rode from \(Z\) 10 A , aud back again, with me, and once he
said: said:
"You ought to bslong to the Scieutific Cluh, Gueldeu."
"I uever heard of it," said I.
"I am a memher," said he. "We meet ouee a fortuight, and have a jolly good time. TVe want thiuking men like you. We have some among us now. I'll propose you if you Inke."
I was foud of such things, and I had ideas that I faucied might be worth somethiug. But then an eugineer don't have nights or days to himself, aud tue club would have one evenimg a fortuight from Jo. I said :
"Inl ask ber. If she likes it, yes."
"Ask whom?" said he.
"Jo." said I.
"If every man had asked his wife: cvery man's wife would have said, 'Cau't spare you, uy dear, aud we should have no club at all," said Grauhy.
"I shall miss you, Ned; bui you do love sueh things, and then if Granhy belougs, they must be superior men.
"No donbt," said I.
"It isn't everybody who could be made a member," said Jo. "Why of course, you must say yes."
So I said yes, aud Granby proposed me. Thursday fortnight I went with him to the rooms. The real business of the eveniug the supper, and so it was every evening. I'd always heen a temperate man. I ac-
tually did not know what effect wine would tually did not know what effect wine would
have on me; but comiug to drink more of it
than I ever had before at the elub table, I
fouud it put steam on. After so many glasses I wanted to talk; after so many more I did.

I seemed like somehody else, the words were so ready. My little ideas eame out, and were listened to. I made sharp hits; I indulged in repartee; I told stories; I even eame to puns. I heard somebody say t "By
By George, that's a man wort I thought him dull at first." Getter to he quiet Ned Guelden, with his Was better to he quiet Ned Guelden, with his was.
I was sure of it, when three months after I stumbled up stairs to find Jo waiting for me with her bahy on her hreast.
"Iou've been deeeiving me," said Jo.
suspeeted it, but I wasn't sure. A scientific eluh eouldn't smell like a har-room."
"Whieh means I do," said I, wavering in the middle of the room like a sigual flag at a station and seeing two Joes.
"And look like one," said Jo; and weut
aud loeked herselĩ and baby in the spare bedaud loeked herseli and baby in the spare bedroom.
One cluh nigbt, as I was dresscd to go, Jo
stood hefore me.
"Ned," said she, "do you think a thing so much like a bottled up and strapped down deuon as sieam is, is fit to put into the hands of
a druuken mau? And some day, mark my a druuken mau? And some day, mark my
words, the time will come when not only Thursday night, but all the days of the week will be the same. I've often heard you wonder what the feelings of an eugiveer who has ahout the same as murdered a train full of people, must he, and you'll know if you don't stop where you are. A steady hand and a clear head have been your hlessings all these years. Dou't throw them away. Ned, if you don't care for my love, don't ruin yourself.'
My little Jo. She spoke from her heart, and I bent over and kissed hcr.
"Don't be afraid, child. Ill never pain you gain."
Aud I meant it ; but at twelve o'elock that night I felt that I had forgotten my promise and my resolution.
I couldn't get home to Jo. I made up my mind to sleep on the elub sofa and leave the place for good next day. Already I felt my brain reel as it had uever hefore. Iu an hour I was in a kind of stupor.
It was morning. \(\Lambda\) waiter stood ready to brush my eoat; I saw a grin on his face; my hled; I looked at my watch; I had only just fire minutes to reach the depot
Jo's words came to my mind. Was I fit to take charge of au engine? I was not fit to answer: I ought to have asked some sober
man. As it was, I only caught my bat and rushed away. I was just in time.
The San Fraucisco glittered in the morniug sun. The ears were filling rapidly. From my past other good-bye, promisiug to write and come again. Amongst them was an old gentleman I knew by sight-one of the share-holders-he was bidding two timid girls adieu. "Good-bye, Kitty-sood-bye Lue," I heard biu say: 'don't be nervous. The San Fran ciseo is the safest engine on the line, and Guelden the most carefil engineer. I wouldn't be afraid to trust every mortal I love to theil keepiug. Nothing eould happen wrong with
the two together." I said I'd get through it somehow, and Jo shall never talk to me agaim. After all, it was the sigual. We were off.
Five hours from \(L\) to \(D\); five hours back Ou the last I should be myself agaim. I knew now. I saw a red flutter, and never gnessed What it was until we were past the down traiu at the wrong place. Two minutes more and we shonld have had a collision. Somebody told me. I laughed. I heard him say respectfully:
"Of course, Mr. Gielden, you know what
rou are about."
Then I was alone and wonderiug whether I
and the cars rushed on at a fearful rate. The
same man who had spoken to me before was standing near me. I beard some question.
How many miles an hour were we makiug? I didn't know.
Rattle, rattle, rattle! I was trying now laeken the speed of the San Fuo . eould not remember what I should do-was it this or that? Faster or slower? I was play ing with the engine like a ehild,
Suddenly there was a horrible roar-a crash I was flug somewhere. I was in the water By a miraele I was sohered, not luurt. I gaiued the shore. I stood upon the ground betrreen the traek and the river's edge, and there gazed at my work.
The engine was in fragments and the cars iu splinters; dead aud dying; aud wounded were strewn around-and meu, women aud ehil dren-old age and tender youth. There were groans and shrieks of despair. The maimed eried out in paiu; the uniujured bervailed their dead; and a voice unheard by any other was whispering in my ear "Murcler!"
The news had gone to \(A\)., and people came thronging down to find their frieuds. The dead were stretched on the grass. I went with some of the distraeted to fiud their lost ones. Searciniug for an old man's, I came to a place uuder the trees, and fourd five hodies lying there in all their rigid horror-an old woman, a young one, a bahy and two tiny children. Is it fancy-was it pure fancy, born of my anguish-they looked like-oh! Heaven! they were my old mother, my wife, my children all cold and dead.
How did they come on that train?-what chance had hrought this ahout? No one could answer. I groaned, I screamed, I clasped my hands, I tore my hair, I gazed iu the good old face of her who gave me birth, on the lovely features of my wife, on my innocent children. I called them by name; there was no answer. There never could be-never would he. And as I comprehended this, onward up the track thuudered another train. Its red eye glared ou me; I flung myself hefore it; I felt it erush ne to atoms !
"His head is extremely hot," said somehody.

I opeued my cyes and saw my wife.
"How do you feel?" said she; "a little
I was so rejoiced and so astonished by the sight of her that I could not speak at first. She repeated the questiou.
"I must he crushed to pieees," said I, "for the train went over me; hut I feel no pain."
"Tbere he goes ahout that train again," said
my wife. "Wby, Ned!"
I tried to move-there was nothing the matter with me; I was in my own room, opposite me a crih in which my two children were asleep, heside me a tiny hald head. My wife and children were safe! Was I delurious, or
what could it be?
"Jo," cried I, "tell me what has happened!"
"It's nine o'clock," said Jo. "You cam home in such a dreadful state from the cluh that I couldn't wake you. You were not fit to mauage steam and risk people's lives. The San Francisco is half-way to A., I suppose and you have heen frightening me to deat
with a dreadful talk." And Jo began to cry
It was a dream; only an awful dream. But I had lived through it as though it were a re ality.
"Is there a Bible in the house, Jo?" said I.
"Are we heathens?" asked Jo.
"Give it me this moment, Jo."
She brought it, and I put my hand on it, and took an oath (too solemn to be repeated here) that what had happened never should oecur again. It never has. And if the San Francisco ever comes to grief, the verket wil not he,
druuk!

Whether your life is to be long or short let it he a life in earnest-a life that shows reWomen as Teacners. - In an article on the suceess which has attended the Female School of Art, the editor of one of our exchanges says
We would also draw attention to the fact that all the teachers of the Female School of Art are women. We are aware that it is a favorite "We would also draw attention to the fact that all the teachers of the Female school of Art are women. We are aware that it is a favorite theory of the najority of people that women, as tcachers, are nomply cducated and competent women have proved themsclves perfectly suceessful instructors. As elements of success in the teaching of women, when compared with that of men, we think there may he taken iuto account ful instructors. As elements of success in the teaching of women, when comparech with that of men, we think there "

\section*{㸽iscellany.}

\section*{A WESTERN WONDER.}

The greatest wonder in the State of Iowa, aud perhaps any other State, is what is ealled the "Walled Lake," in Weight eounty, treelve miles North of the Dubuque and Paeifie rail way, and about one hundred and fifty miles West of Dubuque city. The lake is from two to three feet higher thau the earth's surface. In some plaees the wall is ten feet high; width at the bottom fifteen feet, and at the top five. Another fact is the size of the stoues used in its construetion; the whole of them varying in weight from three tons dowu to one hundred pouuds. There is an abundauee of stoues in Weight couuty; hut surrounding the lake to the extent of five or ten miles there are noue.
No onc can form an idea as to the means employed to bring them to the spot, or who construeted it. Around the entire lake is a bel of woodland, half a mile in width, composed of oak; with this exeeption the country is a rolling prairie. The trees must have heen planted there at the time of the buildiug of the wall. In the Spring of 1856 there was a great storm, and the ice on the lake hroke the wall in several places, and the farmers in the vicinity were ohliged to repair the damages to prevent inundation. The lake occupies a ground surface of two thousand eight hundred acres depth of water: as great as trrenty-five feet. The water is clear and cold; soft, sandy and loamy. It is singular that no one has been able to ascertain where the water comes from, nor wh.

The Most Perfect Beadty:-That is not tbe most perfect heauty which, in puolic, would attract the greatest observation, nor even that which the statuary wrould admit to be a fault less piece of clay, kneaded up with blood. But that is true heauty, which has not only a suhstance, but a spirit-a beauty that we must intimately know, justly to appreeiate; a heauty lighted up in couversatiou, where the mind shines, as it were, tbrough its casket; where in the language of the poet, "the eloquent hlood spoke iu her cheeks, and so distinctly wrought, that we might almost say her hody tbought." Au order and a mode of beauty Which, the more we know, the more we accuse ourselves for not having hefore discovered those thousand graces whieh hespeak that their owner has a soul. This is that beanty which never eloys, possessing charms as resistless as paid the "hauble" of the world-a beauty like the rising of his own Italian suns, always enchauting, never the same.

Cloter.-Clover differs entirely from tbe cereal plants in this respect, that it sends its o roots perpendicularly downwards, weth which the fine, fihrous roots of wheat and barley fail to reaeh; the principal roots of clover hranch off iuto ereeping shoots, which again end forth fresh roots downwards. Thus clover, like tbe pea plant, derives its principal food from layers helow the arahle surfaee soil; and the difference between the two consists mainly in this-that the clover, from its larger and more extensive root surface, cau still find sufficiency of food in fields where peas will no longer tbrive. The uatural cousequence is, hat the subsoil is left proportionably mucb poorer by clover tban hy tbe pea. Clover
seed, on account of its small size, can furnish seed, on account of its small size, can furnish
from its own mass but few formative clements from its orn mass but few formative clements surface for its development; but the plant takes comparatively hut little food from the urface soil. When the roots have pierced through this, tbe upper parts are soon covered with a corky coating, and only the fine root fibres, ramifyiug through the subsoil, convey food to the plant. - Liebig.

Woman will be always pure if man will be Woman will
always true.

\section*{对arious 㨄aters．}

\section*{AGRICOLTURAL TTEMS．}

The cranbery rine on Cape Cod，Mas so far as appearanees indicate at this early date，are doing well．There are orer a thou－ sand acres set with viucs on the Cape，and sand acres set with vincs on the Cape，and
with a fair yied they would supply the market with a fair yied they would supply the market
of the State，and already many have reccived of the State，and already many have rece
fine returns for their labor and expense．
Capt．Robert Bayley of Newburyport，Mass．， has a fusehia which has now five hundred an sixty flowers．It is but ten months old．

It is proposed to grow eorn instead of cotton in the Suuthern States this ycar，as the only means of self－rescuc from famine．

Burut clay and charcoal in equal proportions make a sure reuncly for seours in calres and pigs．

The Agricultural Commissioner，in his March monthly report，just reccived，has＂no doubt of the efficacy of copperas mised with the salt given to hogs as a destroyer of trichina．＂This belief is based on his success with tisis treatm
Should all animals except the eow die，the loss could be borne．Should sle alone die， you would lave mourning．She should be
treated as tenderly as one＇s wife．Keep her clcan，feed her well，and respect her．Think of a corv standing all night in a fencc－corner， and her back covered with ice and snow．
The most extensive paper making cstablish－ ments in the world are at Vienna，and the stoek used is said to be wholly corn－stalks． A husking machine was littely exhibited in New York，which it is believed will enable Auncricen firmers to utilize this material to a greater degree than heretofore．

The Monthly Report of the Agricultural Depintment for February，gives a statement by whiel it appears that the aunual yield of milk in the fannous dairies of Ayrshire，Scot－ laud，is 425 gallons per cow．The Hon．Za－ dock Pratt，of New York，in a dair

Last year California imported \(52,000,000 \mathrm{lbs}\) ． of raw sugar．Now they are going to make
beet sugar，and have sent to Europe for seed． No farm is complete without a good garden． There should be a succession of vegetables that there may be full supplies through the season．When the first peas are woll up the second crop should be planted；beets should be planted at different times，and swect eorn every two wceks from May 1st to July 1st．
＂Ramie＂is a new Southern staple，from Java．It will grow in the Southern half of Georgia，will yield five crops a year of cight lundred pounds each；twenty－four hours af－ ter being cut it is laid out in long bands of pure white floss，ready to spin．It is planted like sngar cane，once planted，alway＇s is planted，grows twenty fect high，sells for twice the price of cotton，and is stronger and finer ； will be exhibited at Paris and astonish the world，if only half is true．
The Connecticut farmers are turning their attention to the cultivation of sorghum in place of tobaeco，the latter being very slow of sale．
There is a general impression among New England farmers that they ean raise their wheat much easier than they can buy it，and there will be a considerable breadth of it sown this season．

Great Sale of Mules．－We are informed that Mr．James Buckalcw，of Jamesburg，N． J．，rccently sold a lot of five hundred mules to the Delaware and Raritan Canal Company for ninety thousand dollars，an 1 took a single check for the amount and putit in his pocket！ We ocea sionally hear of arge sales of stock in the West，but if any of the great prairic farmers of that region can show us something equal to the above，we shall be glad to make
a note of it．Mr．Buckalew is now finishing a note of it．Mr．Buckalew is now finishing
off a cranberry bog of one hundred and fifty \({ }_{a}\) acres．－Country Gent．

How to hine．Me．ily Potatoes．－It is difli－ cult to get good potatoes，and harder still to get heme cookol so that they may come upon the he ycar，particularly，and mutil the new crop comes，almost all potatoes when boilce are atpt to be water soaked and soggy，and we are sure he lovers of this esculent will thank us for gir－ ing them a reccipt for laving micaly potatoes crery day in the \(y\) car，－not a faney one made and will stand the test of constaut practice．It s rery simple，and involves only a slight in－ ercase of trouble and labor over the ordinary method of cooking．Pare the raw potatoes nd let them stand an hour or so in a basiu of water iu which a pinch of salt has becn added．
Boil quickly，when done，drain off the water carefully，and replace the potatoes upon the stove，in the same resscl in which they were cooked，to dry for five or ten minutes．Whel eady to serve，take cach potato and squecze it in a dry napkin，and place immediately on the ablc．The squeering in the napkin takes out all the water and leaves the potatoes that were before wet and heary，dry，mealy and delic ious．

The Head Turned Round．－A crazy man was found at a grindstone sharpening a large hutcher knife，and every now aud then examiu ing the edge to see if it was keen．

What are you doing here？
Don＇t you see？Sharpening this big
＂Yes，but what are you going to do with it when slarpened ？＂

Cut old Ben Brown＇s head off，to be sure．
What！you won＇t kill him，will you？
Oh，no ！I＇ll only eut his head off and stick it right on again lind－side before，just to let the old fellow look baek upon his past life！ It would take him all the rest of his life to re

What a queer idca the lunatie had in inis had！And what if it were so，that erery nian when he reached a certain ：ige had hi face turued round，and was obliged to spend
the rest of his days in looking over his past life．Wouldn＇t there be strange sights？

Love＇s Stratagem．－A funny story is going the rounds iu Paris：A lady in the first so－ eiety was recently obliged to dismiss her nurse on aceount of an excess of firemen and private soldicrs too often repeated．After chosing as a
successor to this criminal a rery pretty girl， successor to this criminal a rery pretty girl， away，enjoinedite the secoud not to do like wise．She admitted that she shouldn＇t．＂I can endure a great dcal，＂said the lady，＂but soldiers about my kitchen I won＇t endure．＂ After a week or eight days，the lady came one norning into the kitchen，opened a cupboard， ＂Ol，ma＇m！＂cried the girl，frightened，＂ give you my word I never saw that soldier before in all my life；he must have been on of the old ones left over by the other girl ！＂

Many trces will be purchased this month， and we would give a word of caution agains the common practice of ordering large trees． A small，well grown tree with an abundance of small roots，is greatly preferred to a tall much branched one with its large root chopped off in the digging．Some of the best Western orehardists prefer trees one year from the bud or graft，to any other．Heel－in at once， trees that arrive bcfore you are ready to plant； bury their roots wcll in a sandy plaec，and they may remain for weeks without injury．

Twenty－thee Wheat Chors from the Same Soll．－An English country gentleman Las been experimenting for twenty－three suc cessive years on the same land，in wheat cul ture．He has fertilized with farm－yard and with artificial manures，and the average yield per acre in buslels has been thirty－fire for the former，and thirty－nine for the latter．For the last three years the yicld of wheat has ma－ terially declined．

A eirtee boy in Wiseonsin was being put to bed the other night about dark，when he ob－ jected to goiug so carly．Itis mother told hims the chickens went to bed carle，and he must his mother would do as the old hens did－go to bed first，aud then coax the chickens io come．
TIEE FAIEMI AND FIIECSIDEANE THE



\section*{睢arriages．}






\section*{Deaths．}
 In hopatat，





The 物解arlets．


\section*{brighton cattle market．}




WEERLY REVIEW OF THE NEW YORK WHOLESALE MARKET．


Hew Hork．

\section*{Great American Tea Company．} the manesse profits

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Sprovis AND ETrs．－The root of the potato sprout or eye cxtcnds to the eenter of the tuber．Sever the sprout or eye from its root，and you les－
sen its vigor sen its vigor．In proof of this，pare off the outside of the potato to the depth of one eighth of an inch，and the inside，if plantcd，will emimmonly
grow，but it will grow feebly．Plant the paring，and it will grow feebly，just in proportion to its thinness．Cut a potato as you will，the smaller grow，but it will grow feebly，Plant the paring，and it will grow feebly，just in proportion to its shincss．Cut a potalo as you will，the smaler
the pieee，the more feebly it wril grow．As to planting small potatoes，it is contrary to all analogy．Whicn famers winnowcl their wheat in the




The Fapar and Fireside is devoted to Agriculture, Horticulture, Stock-Raising, Rural Architcoture, Market Intelligence, Literature and the Arts It has a corps of agricultural writers of reputation, and the aim of the Publisher will be to make a journal eminently practical, and of every-day value to its readers. The Literary Department is intended to instruct and amuse the farmer's better half aud his children. Nothing will be published offeusire to good morals. In all its columns this journal will advocate the best interests of the farm and fireside. Terms- \(\$ 2,00\) per year, in advauce. Single copy 5 cents.


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NO. 17 .


Onz of the most rare and beautiful flowers introduced into this country, the present year, is the Boeconia Japontos, a perfeetly hardy plant, growing to the height of five to six feet. It looks a little like the old, handsome Bocconic Cordata ; but surpasses it in point of beauty, robustness, rapid growth, size and even shape and eolor. It is elaimed to be perfeetly hardy -requiring no protection in Winter-and blossoms from August to September. Its dark green leaves, sinuated and thiek, resemble the oak-leaf; are very large, oltuse, cordate in form, sombre green above, glaneous below, or underneath.
The effeet of this beautiful plant in the house-yard, or on the lawn, must be fine. Its flowers, surmounting its long spikes, are surpasslagly beautiful. 1 friend, who las seen it growling in Japan, pronounces it orzamental, ahowy, and eveu on its native soil commands universal admiratiou. The seeds of the Boecosita Japoniea are not yet in the market ; but Mr. Henry A. Dreer, of Philadelpbia (one of our. best seedsmen and florists), has secured a quandity of the seed. So rare a plant must find many aluirers in this eountry.

Thezz being little danger now ot a "cold snap," it is a good time for those who have not already done so, to set out their tomato plants. :Seleet those well-grown and stocky, plant them firmly, and water and mulch them until they show no symptoms of delicaey.

NOTES AMD SUGGESTIONS FOR MAY.
"He that by the plows would thrive.
To the farmer, May is a busy month, and upon his labors in preparing his soil and plant ing his seed, in a great mensure depends his success for the season. In tlec New Euglaud or Northem stater, usually little seed ol the hoed eropss finds its way into the ground before the first of Mas: In fuvoratle seasons peas and a few early potatoes ate put in, but the first to the twenty-fith of the month, Usually little is gained to the advantarge of the erop in planting, till the soil gets warm, and dried cuough for the seeds to geminiate immediately, and commence a vigorous growth, not to be checked by cold, unfarorable weather. But to defer all planting till the soil is in the bes condition will throw the whole into a very erowded state, wo that it would be imponssibl to do the work sis thoroughly as it should be Much work that shonld bave been done in April is frequently deterred, or crowded into May; such as hanling manure, blowing do By good planuiag, procming sufitcient lecll and the leet implements, the planting ol gar den and field crops may be minhed flirough in a few lays, hut it is best not to do it with sneln ruall as not to to it thoronghy, formather an can compensate fir neglect in his stage. Lo
possible manner by thorough plowing, harrow best possible eondition to produee the greatest amount. If it costs twenty-five dollars to grow an aere of corn that will yield thirty lushels of corn worth thirty dollars, and by expending five dollars extra for super-phosphate you can grow forty bushels worth forty dollars, your profit on the aere is doublecl, the five dollars extra expcuded giving, instead of costs bint a iraction more to do the work on an aests whith will yield seventy-five bushels of chelled eorn, than one which will yield only forty bushels; yet the profit is several times as great; it would then seem a matter of economy to expend fifty dollars in raising one cre which will yield seventy-five bushels, rather than expend fifty in growing two acres that will yield only sixty bushels. This result can be aceomplished by a judicious comse of horough culture aud good management, and eren more. The sucecssful enltivator will the efforts Nature puts forth, the soil being the laboratory in whieh by the aid of the alr, sun and rain, the food of plants is prepared, and transmitted upon the eall of the plants grown therein. The knowledge how to best turn these results of the willing servants of man to advantage, eomprises one great secret of sueeess that the skilled eulturist possesses over the uuskilled, or uninformed one. The observant and sturlious, learn to work with Naure, while those of a different turn of ten find hemselves opposiag Nature, to their disadvanage. It is then wise to seek information from all available sourees; and in the suggestions that follow I shall attempt to bring before the mind of the reader subjects for attentiou, and also give some pratieal details, gained from experience and observation
Accounts.-No person can be said to have ull knowledge of his business who does no cep an aceonnt of that business in all its details. A syatem of farm recorls and aceounts, kept soas to be referred to at any future time, will furnisla a fund of intormation and study hat can be gained in no other way. Improve ents can be very much more readily entered nto when a definite knowledge ot previous transactions are correctly unclerstond. This subject of farm records should receive the aton know what erops or stock are profitable, and the reverse; and can act in aceordanee with his linowlelge.
Beans-are a valuable crop, cheaply and easily raised, requiriug land less fertile than for corn, and do not mike large demands on the soil. Where tillage is needed with light drafts on the soil, the bean fills an important place. There are several varieties of the white field bean, each of which have their udyoeates as a caronte. Plant the last of the month, in soil ingrod, 1 nt not high, contition, in hills two eet apart to two ho three, according to the farictl, fome large growing kinds requiriug aryer ance than smaller.
Becy-when properly managed pay a better ofot on the capital employect-than any other
in details requires too muel space for these gained by reading "Quimby's Mystery of the Honey Bee."
Brom Corr - - Prepare the ground by heavy manuring, deep plowing and thorough pulserization. Plant at the same time of Indian corn in rows four feet apart, and iwo and a ows apart in the row; dwarl varscie or six plants to the hill at weeding.
Buildings. - See that they are all kept i good repair and well painted. Paintiug may be done now or in the Fall. For rough wood work, a cheap paint may be made of water, me and skimmed milk, eolored with dry round colors to suit the faney.
Cubbage-are profitable either as a garden or field crop. In the vieinity of ready mar-
kets they are made to pay; when skillfully grown and marketed, six hundred dollars or more per acre. Deep soil and abuudant mauring are requisites. For early, the plants should have been started in a hot bed; open ground will answer for mediuu and lateerons. Ashes aud plaster, or air-slaked lime sprinkled on the young plants, will keep off the fly. Set
out the plauts when they attain a good size, stroug, stocky plants make the best erop, in hills cighteen inches to two and a half or three feet apart, aceording to the variety and size of or wet time; but by puddling the roots, and watering, they may be set any day towards night. Varieties are numerous, early and late for carly, Jersey Wakefield, Early and large Tork, Early Ox Heart, Early Winuingstadt, Early Flat Dutcli; for late, Marblehead Mam moth, Bergen Drumhead, Premium Dutel, Stone Mason, the Savoys, and Red Duteh, are the most approved varieties in the order
named. Cattle.-See that they are well kept. claily allowauee of grain and a few roots will
teucl to keep) the system up, and gradnally aecustom them to the elange in the season, and from hay to grass. Turn to grass when sufticently started to give a good bite without too close eropping. Use working oxeu with eure, as the season is apt to produce languor and with eareful usage, are as grool seasoning ayents as any.
Corn.-"Plaut (lecp) while sluggards sleep, you would hare corn to sell and to keep."
If the ground is wet and eold, little is gained a planting carly iu the month, as 'frequently he seed will rot. Planted when the ground is warm it immediately vegetates and grows without "let or hindrance," and gets the adrantage of grass and weeds, saving mueh labor in after eulture. Prepare the ground thoroughly by deep plowing and heavy ma-mring-(see preceding remarks ou manuring eorn). We in New England plant in hills about three and a half feet apart; eover deep ind tread, as the most effeetual remedy for ord pulling.
Dairy.-Sell, or fat that cow the eream of rhose milk bothered you so last Fall in not making butter; or that olher one which went

Anr of our riolets-white, blue, or sellow-repay transplanting to the gardec, or cultiration in the louse, it set in soil of toan and leaf-mold, is most generally seen among parlor plants; or the Jieppolitinn violet, whose flrepers are larmer ind ecedingly These foreign tlowers are raised from dwision of the root, or cutings taken in June, and eovered with a tumbler, and afterward set in a soil of saud, loam, and decuyed leaves or other regetahle mold. The pots should be well drained with shords. Taey neel water often, usually twiee a day; bnt very little at a time; if the water is allowed to remain about their roots they will die. Our native riolets shoulh be kept damp always, but not wet.

\title{
 \\ \\ THE DREAM CHILD. \\ \\ THE DREAM CHILD. \\  \\ The chlld's sollise my hearl's hesl love \\ In every gesiure, every smille, \\ Alikeness, too, 1 rraee. \\ And oh! how dear, how douhly dear
This makes my bally-hoy to me: This makes my baly-hoy 1 n
fold him closer to my breast Anu kiss hlm lenderly. \\ Bul, as the 1 millghil fades, so fades
The smile, the eyes, the shiln lng halr The smile, the oyes, lhe shinling halr. I elasp the empty alr, \\ And men'ry coming hack repeats
"Heav'a gires io lhee no litule \\ I fold my arms and slitive lo say,
}


\section*{Raysing calves.}

For the first ten days the young ealf is al lowed the milk of the eow cxel milk of the newly ealved eow, as every dairyman knows, is not fit during the first week for dairy purposes, and is the only suitahle nour ishment for the delicatc digestive organs of its young. For a few dajs after this period, ahout two or threc quarts of milk at a mca should still he given, gradually adding some other food in the shape of gruel, and at the same time diluting the milk with water, so as to obtain the requisite quantity of fluid. Some recommend whey, where it can he procured The gruel is made with a mixture of liusecduncal or oil-cakc, powdered fine, and meal of various grains, harley, oats, and a little wheat flour. The proportions reeommended by Mr , Henry Ruck, in a paper read hy him at one of the meetings of the Cireneester Farmers' Club, (England) arc as follows:-Into a six gallon hucket pour two gallons of sealding water, stir into this scren pounds of ground linsecd cake; then add two gallons of hay tea, which should he fresh and sweet; next add seven pounds of unixed meal; add sufficient cold water to fill the bucket, and well mix together. Two quarts of this gruel, diluted with two quarts of cold water, will he about the right quantity, aud of the right temperature, for one calf at onc meal. The food should he given at regular hours, and twicc a day ; morning and evening will be found sufficient. The hay tea, Which seems to he an excellent preparation, is madc every morning by filling a small tuh with good hay, and pouring on scalding water ; ing water added, covered down, and used the ing water added, covcred down, and used the
following morning. After the first fortnight, when the calf begins to chew the cud, the chief difficulty and danger are over. As the calf begins to eat, the quantity of gruel should bc gradually diminished. Solid food shonld he placed before them, to train and encourage them to eat, which they will very soon learn to do. The hest material for this purpose is good swcet hay, with a small supply of crushed corn and crushed oats. In addition to this, mangold wurzel will he fonnd serviceable, and is very much relished by the young auimals.-Canada Farmer:

\section*{CARE OF SHEEP AND LAMBS.}

Jonathan Lawpence, of St. Johnsbury, Vt., in the New England Farmer, says: "I take my lambs from the sheep about the first of September. The sheep have the Fall months and are put upon dry feed, I give them rootsrutabagas I like hest-at least every other day, at the rate of one bushel to 50 sheep. Changing from green to entirely dry feed induces disease. I give a varicty of feed; hay; straw, (poorly threshed) corn fodder, and a little oats, corn, or other grain in meal. I give them salt \(a^{\text {nd }}\) sulphur, using about one pound of sul-
plur to one hushel of salt, and have no trouble vith tieks. About three weeks hefore lamhing I give then eooked food-potatoes or turnipswith meal mixed; or wet meal without roots, giving it quite wet. This feed will make milk for the lamhs when they come.
When the sheep hegin to lamb I put two or threc in a small pen for a few days, and if the lambs ueed it, I give them a little eow's new milk until they get smart and strong, when I put them iu the yard, leaving the small pen for others. I iuerease the wet feed after they lainh, and eontinue it uutil they ean get a good hite of grass. The great error is in stopping the feed when the sheep begin to leave the barn. They will then refuse hay, and their barn. They will then refuse hay, and their
milk will partly dry up; the lambs will get stunted hefore the grass is good, and they nerer fully reeover from the effects of this negleet. A few dollars' worth of feed and attention at this point will pay teu-fold, hesides the satisfaction of seeing thrifty growing lambs and hearty, healthy sheep. I have uot lost a sheep hy siekness or disease for the last five years."

\section*{MAINE WORKING OXEN.}

Tine market reporter of the Boston Weekly Advertiser thus diseourses upou store eattle and working oxen from Maine
The demand whieh has lately arisen in New York for working oxen from Maiue has considerably agitated the hitherto quiet waters of this branch of the market. Jears ago, old market men say, the cattle from Maine were generally quite small and inferior. But of late therc has been great improvement made lish hood. Durham, Hereford, and Devon bulls, in partieular, have heen iutrodueed by public spirited individuals and societies, and so great a change effected in the stock of certain localities of the Pine Tree State that its reputation for producing animals suitable for he yoke and for the feeder's stalls has passed the boundaries of New England, and created a demand for this stock in the vallcy of the
Hudson as well as in that of the Connecticut. Hudson as well as in that of the Connecticut.
How much the breeders of hlooded cattle in Maine may be indehted to the modern stylc of reporting the Brighton market, for the widc extensiou of the well deserved reputation of their improved "store" cattle, it may not become us to express an opinion. Very justly the New York Tribune reporter remarks, that farmere in want of oxch are getting as particular about "stylc" as are those buying horses. They don't want the homely lookiug animals at a much less price, though equally good to work. We are very much of that mind, too; for ought not a man to be paid somcthing for having to look at and handle an ungainly pair of cattle during their natural lives? We mentioned a week or two ago the sale of a pair of four-year old steers raised hy Mr. Burleigh of Maine, hut did not learn the huyer's name at that time. We are now happy to make the record. They were bought hass, Daniel S. Wood, a farmer of Tewkshury, every week we see similar evidences of a growing taste for beautiful oxen. Wc rejoice that it is so. The seulptor's art has been
lighly honored. What is the skillful hreeder hut an artist, - not in cold stone or dead paint, but in living, hreathing, conscious, intelligent and plastic nature?
The modern farmer may aspire to more nohle houors than ever wreathed the hrow or immortalized the names of ancient painters and seulptors. And would it not he well for the agricultural papers of our country to adop as a motto the sentiment of Wenster expressed "Hereafter let our talk be of oxen?" Not only honor, hut noney, urges improvement in farm stock.
Mr. McComble, an experienced grazier and feeder, near Edinhurg, says, any one who turns cattle out to grass that lave heen fed through the Winter upon cake, corn, hrewers' wash, grains, or potatoes, and kept in hot
stables or close strawyards, will be miserahly
disappointed in any expectation of profit The mode of feeding has heeu unnatural, ani before the animal hegins to improve three months will have passed. A few wceks feed
ing of eake or corn may not absolutely ruin ing of eake or corn may not absolutely ruin a
heast for grazing; hut the less artificial food they get during the Winter, if afterwards to he grazed, the hetter; and when kept upon the food above speeified for several months, they are perfectly unfit for graking.

\section*{BREEDING OF COLTS-FALL VERSUS SPRING} We have often been asked the question as Whether there are any disadvantares at tending the hreeding of Fall colts, over and n Spring.
The advantage of breeding colts in the Fall of the ycar, may and does amount to a good more, we think, to sporting-men.
First.-Bceause of the supposed adrantage gained in the few months added to the age, hut not eounted,-over that of the Spring eolt. We have said supposed, heeause it is
more apparent than real, when the disparity of eonstitutions, stcmina and longer life, are taken into consideration. And above all, perhaps we should have said, and eonsequently more free from the various forms of disease which are so intimately conneeted and developed during the process of traiuing of Full eolts, and whieh, from the superior stuminu of almost altogether, resist and eseape.
Second.-Breeders laving many mares, and to more evenly divide the time and lahor heFall, and others do this beeause more work can he exacted from the mare, in the season when work on the farm is most wanted to he done. those of the first, because in addition to these we ohserve a cold, and peevish sensibility, and greater liahility to coughs, chest, or lung disease, thus fully accounting for the shortness of their lives, over those animals foaled in the Spring.
Thiod.-We are told that a Fall colt has auother adrantage, not possessed for, or hy grass colt is taken from the milk of its mother. This last supposed advantage of the Fall colt, ver that of the Spring, may he set side hy side, and compared hy the superior milk secured to the Spring colt, by and through this very Spring grass heing converted into superior ood; whereas, the Fall colt lias to manu facture-digest-it for himself, and the milk rom dry feed given to the mother, is not equal to that from greeu feed. Thus the Fall colt is first fed with milk from dry feed, and
next has to feed upon, and digest for himself dry feed, which he is not so able to do as hi fellow of the Spring. Heuce, his large helly, coarse museular fihre, and the kalikofora of the hone, when laid under the microscope, do not present so fine, or compact a tissue, as the answer, or reason why Full colts do not stand training-more liahle to disease, as spavin, throat affectiou, and somatically brought to gether, may he called the colt with a weaker constitution than that of the eolt of Spring. In couelusion, uay we not rightfully ask whether a mother is not more :hlle to carry her young within her womb, during the Fall and Winter months in its embryo state, than she
could carry almost a full grown fotus during the heat and fatigue of animal life in Summer at least in our climaic, for it must he remem hered that the more mature the young is within the womb, the greater the drain upon and exgaustion of the mother. These fucts have no eseaped the notice of the erudite British statis-
tieians, for they declare that animals and children born in the latter part of the Summer, are not likely to he long-lived.
What a lesson does thisteach, when such is he result in the Islands constantly tempered by the genial influence of the gulf stream, whilst o this latitude we, have such extremes of weath-er.-Author of Diseases in the American Stable

\section*{特ariaus 酔atters.}

\section*{an exciting spectacle.}

One of the most marvellous sights ever witncssed, is a lierd of wild horses, in full and
iery mareh along the pampas of South tmerica. The tall grass at the approach of thousands of eager and impetuous feet, waves to and fro like the waves of the sea. Grant he herd hurries on their manes flowiner lik lags and their tails ereet like hamers. At the head of a vast triangle gallops, as leader, guide ad champion, the strongest horse of the herd Behind him in lines mathematically straightfar more straight and unbroken thin a eavalry
regiment-and gradually extending till they rael their extreme length, at the hase of the triangle the most powerful horses necupy as guard. In the middle as most needing lielp and shelter, are the foals and their mothers but still as a portion of the strietly symmetrial lines. This is heautiful, eren if-apait from the splendor and energy-there was
nothing more than an illustration of the infallihe geometry of instiuct. The spectacle, how ver, has other admirers hesides the gaucho and the travelers, as they rein in their steeds or a moment to gaze. Ahove, however, are he loathsome vulture and the roracious eruha: and keeping paee with the mighty eohort of he wilderncss, is the pitiless jaguar. Onward -ever onward-that eohort sweeps. But oue f the weaklings in the very heart of the triangle stumhles and falls, and then another: Fet their more stalwart hrethren pause not, Concerned only that the line muy not waver, they furiously tramp on them as if rejoieing o prepare a repast for the insatiable spoiler. What sin have the weaklings committed? ,.e sin of being weakling-the sin, of all he sin when nature and man nerer pardon; their own kind, and which drives soldiers at cities taken hy assault, to expend all their engeance and madness, uot on such as, with stout hands and stout hreasts still resist, hut on women, little childreu, on the aged, on the utterly defenccless.

Is the carly part of the reigu of Henry VIII., not a cahhage, turnip, or other edible root grew England. Two or thrce centuries hefore, ertainly, the monasteries had gardens with a ariety of vegetables; hut nearly all the gardens f the laity were destroyed in the wars hetween he houses of York and Lancaster. Harrison speaks of wheaten hread as heing chiefly used hy the gentry for their own tables; and adds, that the artificer and lahorers are "driven to content themselves with horsc-corue, heanes, oats, tares and lentils." There is no doubt hut hat the average duration of human life was hat period only half as loug as it is now.

Vegetable Poem, - A poetical young garener, somewhere in the South, while despondnt from the cffects of the late unseasouable reather, gets off the following:
"Onion garden hed reclining
Curlitower ! lo weat confront
Lettuce heuce, he sadly said.
Carrots out the stoutest mauhood,
Peas my wearied soul doth nced
Bean 0 ! strifc for me hereafter,
Else my heart will go to seed."
Tue Crop Prospects.-It is generally remarked by travelers that the wheat crop looks splendid all over the West. Therc was never pecially is this the ease in Northern Indiana, where an unusually great hreadth of land has been devoted to staple cereals.

A day of lnnoeent amusement may be a math to the soul. There is not necessarily much difference between a holiday and a holyday.

Graftina Wax--Doctor Ward gives a recipe for making grafting wax, such as he uses in his own nursery : Onc part of tallow, two of Wax, and four of rosin. The consistency or the war will be affected by we weather.
He would use the wax warm, und apply it with a brusli ; put on iu this way it was more durable, and a hetter protection to the eraft, Diffcrent methods are suggested for keeping the wax warm during the operation of grafting, such as surrounding the vessel of wax with hot water, or a quilt of batting. Another recipe is to melt together two parts of rosin, two of hlack pitch, one of white turpentine, one of tallow, and one of beeswax. This is Watson's recipe-it is applied metted, with a hrush.

\section*{Original 蚛apers.}

\section*{PLAIN TALE WITH FARMERS,-N0. 6.}

\section*{Writen for the Farm and Firelde}
by hon. Janes w. wall, new jersey
Is my previous communications I think have made apparent the necessity that exist for every farmer that takes a pride in his pro fession to cultivate in a greater or less degree,
a knowledge of those sciences that hare done, a knowledge of those sciences that hare done, or are doing, so much for agriculture. I have sketched for you iu faint, imp arfect oofession
the high vantare ground your noble prof obtained in ages past, to make still more maniobtained in ages past, to make stin more mani-
fest to you in this high noon of the nimeteenth century, that the farming profession lags be-
hind in this country, or follows with a linping hind in this country, or follows with a linnping step, iustead of being in the vanguard of them
all. The reason of this is, that you, Virgil's "country kings," the independent yeomanry of the States, who should call no man master, have closed your eyes to the immense influ ence your intelligence, your numbers, your so-
cial position, and your important interests would enable you to wield, if you would only determine to exercise it in a proper manner.
In fact, as far as regards encouragement to the farming interest, we are far behind Continental Europe. Here every interest seeks for
protection, clamors for it, and the political protection, clamors for it, and the political
hustings are made the theatres upon which needy politicians play their parts as the paid and interested advocates of such interests; but the great agricultural interest is comparatively neglected. The legislation of the past has done comparatively very little for the agricul-
tural interests of the States. This omission has maiuly grown out of the neglect and indiffer ence of the classes most injured by it. The
past you cannot redeem; but the future is with past you canno redleem; bat the men men of toil, the cultivators of the soil you own; you ean, with the awakened power which has so long slumbered within you, mould and slape, and direet the future legislation of onr States a hands, and as the stroke of that of the Teutonic mythology is said to have produced convul sions on the earth's surface, so political power
in your grasp, if wielded in a high and holy purpose, will shake terribly that inert, nseles legislation which has so long cursed our States. When I think of your numbers in the land, your immense power in every towaship and distriet, I honestly believe that by a perfect
concentration of action, your strength would be greater than all the industrial pursuits combined. But now your power seems to he like that of the elcpluant in the menayerie. The
politieians use you and abuse you-they pieree politieians use you and abuse you-they pieree
you with slarp goads, and ride upon your trunks with impunity. Whercas, if you were only once fully alive to the fact of your real power, how you could crush them at a siggle
blow, or trample them as dust beneath your fcet. I have seen enough to enable me to make the observation, and had cxperience enough of
their corrupt machinations to give it weight, when I declare that the injury done by dishonest, plotting politicians in a State can only be compared, to use Swift's words, "to the ravages of swine in well cultivated fields.
On the other hand, an honest farmer who, by On the other hand, an honest farmer who, by
skillfully draiming, mannring and plantimg, has skillfully draining, mannring and plantmg, ha
increased the intrinsic value of an acre of land, is worth more to the country than all the poli ticians that were ever spawned; for whoeve can make two ears of corn, or two hlades of grass grow, where only one grew before, de serves better of mankind, and has done more
essential service to his country, than all the essential service to
politicians combined.
In monarchical Prussia, they boast of five Agricultural Academies, whose object it is to instruct practically and scientifically the pupils destined for agriculturists. To these institn tions belong nearly nime thousand acres, all
under scientific cultivation. Then thcy have under scientific cultivation. Then they have
established eighteen private academies where the first rudiments of agricultural science are taught to those who desire to prepare thcm selves for entrance into the Higher Collegcs.

In France, there are numerous sclools assisted
by the State, where youug persons can obtain instruction in agriculture, both practical an theoretical. The principal in situation, of the kind, is at Grignon, where one of the old royal palaces, and the domain attached to it, consisting of nearly two thousand acres of arable pasture, wood and meadow land, have been re linquished by the State. The simple statement of the character of the lectures delivered a this institution will convey a practical idea o its importauce. The lectures arc upon the fol lowing suljects, as I have taken them down from the prospectus of the Institution: 1st, The natural priuciples of husbandry, aud the management of a farm. 2nd, The principles of rural econouy as applied to the employ of rural econouny as applied to the employ
ment of capital and stock iu a farm. 3d, The ment of capital and stock iu a farm. 3 d , The
most approved method of keeping farm ac counts. 4th, The construction of tarm build ings, roads, and implenents used in husbandry 5th, Vegetable Physiolugy and Botany. 6ih Horticulture. 7th, Foreign Science. 8th, The general principles of the Veteriuary Art 9 hh, The laws relatiug to property. 10th, Ge ometry as applied to the measurement and sur vey of land. 11th, Geometrical drawings of
farming implements. 12th, Physics as ap plied to agriculture. 13th, Cucmistry as ap plied to the analysis of soik, manures, dec 1th, Certain general principles of Mineralogy and Geology. 15th, Domestic mediciue applied to the use of hushandmen
Indeed, there isscarcely a eonutry iu Europe, where the important art of agriculture is no
sheltered aud encouraged by State patronage I know I may be met by that enemy of pro gress, the oft-repeated objection that encoulagement of this nature is hostile to the spirit and genius of our institutions, and should be left to the perseverance and energy of privale
enterprise. I bave lived long enough to be fully satisfied with the falacy of this politic: postulate. I have lived long enough to fee grieved at the teadency of our State governments to become mere politieal machines de roted to the business of advancing this or tha parizan; for makiny laws for the benetit private, or what is infinitely worse, clection-
eering enterprize. Now, the great object a republican form of government, I take to be, the reyulation of public affairs, in accord
ance roith the wisishes of the people, and in con formity with the real interests of the governneent I believe that theoretically, the aim of all gor ernments should be the conservation of hu man rights, and the continued preservation or weal; and I know of no better description of lose rights than that contained in the Declara tion of Independence, in the order of " life, liberty, and the pursuit of happiness." Now upon you, the farmers of the country, depends a correction of the evils that have thus grown p in the legislative history of the country Cratty politicians call you "the bone and sin for they make you "hewers of wood an Trawers of water," to assist in all their schemes will. You have the numbers, and the loc: mfluence if you choose to exert it, and can end men to your legislative halls who will uild up pcrmanently the agricultural interes of your country, and open up its soil to mord
thorough geological rcsearch-men who will estallish agricultural schools, endowed with State patrouage, and promote, by all honora ble and judicious means, the cultivation those sciences that have already done so much or agriculture, by the expansion of its field of operation, aud the wondrous increase of its means of usef liess.
May, 1967.
Ir is said that a barrel of flour can be pur hased in Paris, sent to Liverpool by rail and teamer, and thence transpoited in a sailin purchased in the latter city.

Ar one haul of the seine in Albemarle Sound
Thursday last, 45,000 herrings and 18,000 shad were landed.

\section*{Fry 7 ficld.}

\section*{ONION CULTURE AS A FIELD CROP.}

The soil best adapted to the growth and erfect maturing of the onion, is rather a heavy loam, but should not be inclined to ake, or form in heavy crust upon the surface fter heary storms. It is desirable to have the oil in fine tilth, not predisposed to weeds nd in a high state of cultivation. The sur ace should be quite level, to prevent iujury to he growiug plants by washing, which is no nfrequently the case during heavy showers. It is well to prepare the ground in Autumn as ar as may be, as it gives an opportunity to low the seed earlier; and the erup is more plowing. No paius should be spared to have this work done in good season, aud in the best possible manuer, belore the seed is put in the round, as it will save labor and expeuse in the after culture. Fertilizers should be lib rally applied, and well mixed with the soil. Perhaps there are none better than barn yard or hog pen manures, well fined; still, if the soil contains considerable vegetable nold, o nitrogenious manures, a good erop may be Should the crop look unpromising, it may be improved, as a general rule, by an application if Peruvian guano, or ashes, as late as July.
The seed should be sown as early in the eason as the ground can be made fine, au he work can be done more perlectly in a cool, dry day, than it can in damp, foggy weather. S. E. Harington's convertible sower, distribates the seed evenly, eovers it perfectly, and is nquestionably the best machine for sowing field culture ; still, the early red, or the silve kin are very good for that purpose. If sow in dills fifteen inches apart, five pouuds of seed is sufficient for an acre, provided the ouions are to be sold by the bushel or barrel they are to be bunehed, a larger quantit hould be used. The eomuon hand hay rak plants are fairly up, back and forth diagonally cross the row
This operation destroys very many suall reeds and loosens the soil, while the young plants arc but very little injured by the hard asage on account of the large supply of roots peculiar to the onion. Next in order comes the hand cultivator hetween the rows, and the such times during the entire season as may be necessary to keep the soil in fine tilth and the crop free from weeds. If the crop matures perfectly, and the onious are of a good quality, they may remain some days bc fore harvesting. Care should be taken, how ver, not to leave them in the ground until ncw set of roots have started, for this very much injures their keeping qualities. The pulling may he done very rapidly with a rake or potato hook, after which thcy should be allowed to remain in the sun a fcw days, be ing frequently turned, when tops should be re moved, and they are ready for market, or
torc in an airy shed or well covered loos cribs in the field. \(-N\). E. Homestead.

\section*{HOME-MADE SUPERPHOSPHATE OF LIME}
abel Chandler, of Coneord, gives the fo owing directions through the Country Gentle man for making what he calls "Home-made uperphosphate of Lime
If any onc doubts the value of phosphori acid for growing Indian Corn, he had better makc a few pounds, then he will be sure it is of good quality, and give it a trial, and if he does not find it to give corn a good start, and push it ahead all through the season, when only applied with the sced, then he may be pretty well assured that his land is rich enough in phosphoric acid already, and dues not need any more. It can be very easily madc. Put a few boncs in a hot fire-the kitchen cooking stove is as good as any-and burn them till
upon brealing one it will be of a white or light upon breaking one it will be of a white or light growth,
gray color. After they have become cool, Herald.
break them up and grind them on a flat stonc
or axything else more convenient, only be sure or arything else more convenient, only be smre
they are ground as fine as flour, if possible. Weigh this fine powder-bonc ash-and put it into an earthen-ware howl or dish, or an old wooden water pail, and add enough cold water to it to make it thoroughly wet; then set it out coors, and for each pound of the dry hone ash, carefully add three-qnarters of a pound of sulphuric acid-that is, for four pounds of dry oue ash add thrce pounds of sulpluric ac:dit will foam and stean like slaking lime, and must be continually stirred with a stick till it s doue steaming.
If there was not too much water put to the dry bone ash, it will now be about of the consistency of paste; after stauding a day or two with frequent stirring, it will become ucarly dry euough to handle, and will hare hecome quite hard, unless very often stirred; at any rate there will be mauy hard lumps in it, which must be ground up finc again, at the same time adding enough dry wood ashes or dry loam, to make it dry enough to handle. It is now ready for use. Put a large tablespoonfu in each hill of corn at the time of planting aud if it acts as it has on my corn for four years past, it will cause the corn to come up quicker aud better, with a broad, dark green leaf, and push it ahead all through the season, and make it ripen at least ten days earliel than anythiug else that can be put in the hill-excepting, perhaps, good old manure. It will not mjure the secd in the least, even if it i covered with it, for there is neither nitrogen or ammonia, or common salt in it-ammonia to give it a "smell," and salt to make it so strong as to kill the seed if it comes in contaet with it.

\section*{SAVING AND APPLYING BONE DUST}
"If there is any one practicc among Ameriean farmers for which they deserve sharp re bulse, it is for permitting such immense quaut ies of boues to be exported for the improre ment of the agriculture of foreign nations, Thousands of tons of hones are collected annually in Chicago, Buffalo, New York, and other populous cities, and shipped to European countries, to fertilize the land for raising turnips, wheat, fat cattle, and sheep. Aud yet Americau farmers in stupid quietude look on aud say, 'It don't pay to collect boncs, and apply them to the soil!
It woill pay. They have not tested the application of ground bone. There is not a meadow nor a pasture in the land-with very few exceptions-that will not he greatly Tenefited by a dressing of ground raw hone Thousands of acres of the best farming land in New England is in a low state ofimpoverishment, for the want of a liberal dressing of raw ground bone. Such fertilizing matter is the very life of the soil. European farmers under stand and appreciate this fact. They know it pays to ship bunes from America to enrich their farms."

\section*{GROWING TURNIPS WITH CORN.}

Mr. Barnes of Westmoreland, Oncida county, N. Y., has a novel way of growing turnips with cors, which we do not remember to have seen described before. He plants his corn three feet four inches apart, cach way, which inakes four thousand hills to the acre, and manures in the hills with well rotted manurc. He nses about ten loads of manure to the acre, and while loading up the manure in the yard, mip seed is scattered over the load two o three times, or in other words, when a thir of the load is put upon the wagon, a few seed are sprinkled over it, and so on for every third of the load. The manure is then carted to the field and placed in the rows wherc it is to he
used, and the corn planted. He states hy this used, and the corn planted. He states hy this nip plant, which grows well with the corn, and yields at the rate of one hundred and fifty bushels to the acre of roots, without any detri ment to the corn crop. The turnip plants bc come firmly cstablished by the time the corn i fit to cut, and after that make most of thei growth, advancing with great rapidity. - Utica

Nor all the riggers, spinners, and weavers in the country can beat a spider in his work. Its web is a wonder of strcngth and lightncss. See how reg ular and straight the threads, and how beautifully they are fastened to the cross pieces. They never come undone. A puff of wind, you migh suppose,
would blow it away. But no; the breeze sweeps through it and over it, and thcre it hangs, not harmed at all. It is not careless or hurried work, we are sure. The spider takes time to do its work well. It is also a persevering little creature. It does not get easily discouraged. Children try to do a thing once or twice, perkaps three times, and if they do not succeed, they
again and again, again and again it goes to work and weaves another. , and again it goes to work and weaves another.

\section*{Frarm and frestoe}

\section*{C. W. AxD S. S. Foss, EDITORS.}

SATURDAY, MAY 4, 1867.
雨

\section*{SKOULD FARMERS BE EDUCATED FOR FARMING:}

Tue intelligent rcuder may cxhibit eertain facial expressions-perhaps may smile-while reading the title of this artielc. He smiles because the question is absurd to him; he knows that every profession should be educated; that no man, no matter how great his natural abilities, can suceessfinly prosecute a business without thoroughly lcaming its rudiments; withont knowing its fundamental principles, then pursuing it with eonstant rescarch and diligent application. Tet il lic goes into the country, to any larming commusity, and asks the savant of the neighborhood the simplest question in agricultural chenistry, regetable physiology, scicntific lusbaudry or animal physiology, the chances are that he will receive crude, inaccurate or very iudefinite information.
If a man "put out his shingle" as an attorney or counselor at law, without legal edueation or acquirements, we should not be sale in consnlting him relative to any great question of law, involving titles to property; the absolute rights of individuals; of tilles hy succession, maringe or judgment; of exech-
tory contracts, or anything in reiation to deeds, wills or testaments. It a fellow, itching for money or notoricty, olfers his services to the public as a physician, without studying materia medica, we wonld avoid him unless we wished to neet that "lean fellow that beats all conquerors" - wished to close "life's
fitful fever" and journey to that land "from whose bourne no traveller returus." Such characters we denomace as charlatans, quacks and impostors, and advise ath our friends to avoil them.

What inaterial difference, in qualification, is there between the dull, uneducated agriculturist, and the pseudo, spurious disciple of Blackstone? or the false, counterfeit follower of Galen? We can see none. The ignorant farmer may be houest, industrious and a good member of society; but he is laboring in the dark ; is attempting to eultivate the soil without knowing anything of geological origin, of the ugencies of heat, light, clectricity, the food of plants, aud little or nothing ol scientific agriculture. Aud yet he expects to thive, increase his domain and lay up something for the evening of life. Plodding along, withont knowing the rudiments of his occupation, withont ecientific training, without applying the fundamental principles of progress, la finds agriculture an " mp hill business."
If the farmers of this country were as intelligent as they might be; using seience as an aid; understanding the relation of the plant to its sources of nourishment; what is necessary to make all soils fertile; what
ehemical propertics are essential to erops, with all labor sharpened with observation and cxperience, they would become the wealthiest class of the country-the lords of the soil-the true chivalry of our glorious empire of agriculture. But we shall never see all our farmers thus intelligent-most of them will remain fossils-but to those who have a taste for improred hasbandry, scientific cultivation
of the soil, and who ncver weary of progress, of the soil, and who acver weary of progress,
we say go abead! You will rcap the fruits of your intelligence, add to the aggregate of national prosperity, and leave memories written indelibly in the golden harvests of your homesteads.


Hereaster the Farss \(\triangle\) xD Finverng can ho had in Montbly
Parts, in neat covers, at twenty-fire cents each Parts, in neat corerg, at twenty-fire cents each. Th
JJanury, February, March and Aprll are now ready.
by all newsmen.

\section*{the physiology of soils.}

IT is of more inportanec that a farmer should understand the physiology of the soil he cnltitivates than at first sight scems apparent. It is just as nccessary to successful farming as a knowledge of the physiology of the human system is necessary to medical success. The physician must prove his proficiency in such knowlalge before he is justly entitled to his diploma; aud as soon as his diagnosis decides the nature of the discase, he cun tell the subsequent symptoms the patient may have, and knows preeisely what medicincs to prescribe. Soils are as much subject to deterioration as the human frame; they may lave discases for which there are scicntific remedies; to aeglect attending them may result in the death of sterility.
A scientific farmer cramines a soil possessng all the elements of fertility, which nevertheless secms barren. He finds that there is not enougla of impalpable powder to exert a direct influence upon regetatiou by entering uto solution with the watcr and acids, for plants consume only suel food as is in a liquid or gascous form. The farmer is the physician ; he prescribes breaking up of the soil and loosening of the clements which are locked up, as it were, in an insoluble condition. Another is an instance of acmal sterility; lue shakes his head; it is a bal case; violent remodies are nccessury to restoration. His prescription would be something like the following :
"Per acr", lime, fifty bushels; manure, forty loads, with quan. suf. of loam and phosphates, compos
Spring.
Mem.-Uuder drain, plow deep and twice durm.-Cuder drain, plow deep and twice kind of well decayed manure."
But we have carried the comparisou far enongh; the farmer should have a correct knowledge of the soil before he presumes to prescribe. In entering upon a farm for cultivation the first investigation siould be as to the eomposition ot the varions soils of which
its surface is composed. These form the besis its surface is composed. These form the bisis
of all intelligent operations. There are light and heavy soils; clayey, saudy and limy soils ; loamy, marly and alluvial soils; vegetable molds and sub-soils. These several soils cannot be expected to perforul the same functions, be adapted to the same kind of crops, or cqual ly reward the hand ol' skillful labor.
From a cursory cxamination he should glide to a careful, critical examination. There are other important essentials in soils, among which are:
1.-Consistency. Clayey soils have the great est degree of consistency, sandy soils the least. Both extremes are unfavorable for seueral regetation.
2.-Color. Brown and red soils are considered the best, and are termed warm soils; yellow and gray are cold in their nature; black generally indicates peat or deep vegetable mold.
3.-Depth. Decp soil gives the roots of plants a wider rangc, retaius moisture better iu seasous of drouth, and is not so readily saturated in rainy weather.
4.-Humidity. Too great moisture is as injurious to soils as cxtreme dryness.
-Position of Surface Soil. Sandy soils ro most fertile when flat and situated lower than the surronnding country. On the declivities of hills sach soil is of less value, as it is liable to become parchod by drouths and washed away by rains. Clayey soils, on the contrary, cspecially where the subsoil is imper macable, are farorably sitnated when on a hill ide. Sonthern and Eastern exposures are favorable to early vegctation.
So we might go on ad infinitum-referring to chemical analysis of soils, management of soils, improvement of soils, etc. But these were not comprehended in the design of this articlc. We simply wished to show the importance of every farmer having a knowledge of the various soils he haa under tillage; and that to understand what fond is neccssary to keep the soil in a healthy condition comes un-

\section*{WOONSOCKET AGRICUITURAL SOCIETY.}

At their mecting on the llult., this Society nnanimously adoptel their
cured from the Legrislature.
Spencer Mowry, Danicl B. Pond and Arlon Mowry were appointed a committee to draft by-laws.
The Society re-organized for the casuing ycar by electing Stephen N. Mason, President Johu A. Bennett, John Currier and Daniel B. Pond, Vice Presidents; William H. S. Smith, Secretary ; Charles E. Aldrich, Trcasurer; and John Curricr, Auditor of Accounts.
The President appointed Newell A. Bontell, John Currier and Bradbury C. Hill, a committec to secure from Libbeus Gaskill a lease of the "Raec Coursc," with privilege to pur chase the same at a price to be fixed in the leasc.
On motion it was agreed that a Fair be held at Woonsocket during the Autumn, ind that the procecdings of this meeting be prblished in the Farm and Fireside.

Rhode Lsland Iorticeltural Society.-
Tbis Soeiety will hold their Twenty-third Summer Exhibition in the City Hall, Providence, on Wednesday and Thursday, the 20:1 and 27 th days of June next. The scheitule of premiums emhraees grapes, pine apsics,
peaches, strawberrics, plants and thower, ornamental leat plants, ent flowers, (sehool children as eompetiors) and reyeta bles. A number of articles are also embraced linder the head of "Presidents Prenian:as. The awards will amount to upwarts ei hat
hundred dollars, and contribnters wi.. grenid aid the committec by furaishing : articles on or betore Mrouday the 2 tild

Tire earlicst tomato plants should be short ened by taking off a few inches of their tons, so soon as they have set their first lruit, which will canse it to ripeu more rapidly. Stir the
soil frequently and licep it free from weeds. soil frequently and licep it free from weeds.
Support the plauts with branehes or a litle trellis, as you wonld peas, to licep the fru from the ground. The plants, too, when sup ported, run less to vines, and are much more fruitful. Onc dozen plants properly supported will yicld more and better fruit than threc times that num
ground.

Miomgan Woor Exhibition.-The Westert States, having a tariff that suits them, are be coming the wool producers for our Eastern manufuctories. Within the last decade, the farmers in the North West have incrcased their locks to a vast extent; aud have also improved the character of their wool. On the 7 tb, Sth,
and 9 of this month, Michigan holds a State and 9th of this month, Michigan holks a State premium lists aro liberal, and as the railway companies of the Statc offer to carry stock wool and attendants free, there will unques tionably be a fine exlibition.

King of tife Turp."-The famous horse Dexter, that has trotted a milc in two minutes and cighteen seconds, is challenged by Mr. L. L. Dorsey, of Lonisville, kentucky, who offer Dust" \(\$ 10,000\) that his horse, "Rolla Gol Dust " will beat the little " King of the Turf

Gold Dust " is seven years old this Spring fiftcen and a quarter hands high, color brown
bay, and last Fall trotted a milc inside of 2.22 . He is now in training at Buffalo, Ncw York.

Kreping down the wacds is not the only good result attained by hoeing. The soil is thercby kept friable and porous; opencd to the atmosphere and the fertilizing gascs, and a ncw, fresh, cool surface is presented for the absorbtion of moisture. Hoe deeply; a marc scratching of the surface is not enough. D not fail to eradicatc cvery weed.

Jonn Giles, tho noted cattle raiscr, has re moved from Sonth Woodstock, Conn., to South Framingham, Mass., where be will continuc to breed the Jerscy cattle.

\section*{AGRICULTURAL ITERS}

According to Mr. Lawes' estimate, the masure from a ton of wheat straw is worth 896
The coming wheat crop will be the largest ver grown ou this contiment.
The strawberry basket trade lins been very risk in Bergen couuty, N. J.

At the Bcet-root sugar manufactory at ons of beets arc ampualiy sixty-five thousand gar.
Becs

Bees are destroyiug the fruit ard grape buds New Albany, Indiaua
Eansas and another scourge is anticipated. A cabinet containing distinctive samples of ment.
The Michigau State Wool-Growers' ion will hold a shearing festival at Jackson city on Mondlay next.
Among the large yields of potatocs recently dat two is onc from Canada, to the effect wo two peach blows, cut iuto sete, producci Wisconsin farmer has a pig which weighed one hundred and ten pounds when ixty-fire days old. It was a cross between
he Suffolls and Irish Grazier breeds. The rest the Suffolk and Irish Grazicr breed
of the litter werc nearly as large.
It is stated that I. S. Dichl has been eommissioned by the Agricultural Department to go to Asia to make an investigation upon the
subject of Asiatic goats. sobject or Astatic goats
Soaking cows teats for a few minutes in a
rery strong decoction of white oak bark; also rubber rings that fit tight euough to stay also are recommended by the New York Rural, to prevent cows lcakiug their milk.
The price of farm labor has increased about 0 per eent since the outbreak of the rebelliou, which is less than the advance in the cost of liviug, but greate: than the advance in the price of furm produce.
Florida produces lemons that weigh orer a pound, and wite twelve inches in circumference. These mammoth lemons are obtaincd in East frafting the lemon cutting on the native sour orauge trec. The fruit is cqual in flaror to the est Wrest India lemons.
The Annual Sacaring Festival of the North nemelrec (Me.) Wool Growers' Association, is lay, Jnue 4th.
Mr. Edward Todd, agricultural editor of the New York Times, has bcen appointed by the Commissioner of Agriculture to report ou the Agricultural Implements of the Paris Expoof Junc, to fulfil the object of his mission.
The New York State Agricultural Society will Lold "a Plow and Harrow trial," at Alt
H. B. Burrit, Waucunda, Ill., writes that he believes horn ail to be gencrally caused by ruaction of the liver, and that he has adninistered sulphate of irou as a remedy with uccess. Onc tablespoonful crery day, disolved in warm water was the amount given. f given in season one or two doses will ctrect cure.
Pulverised charcoal gifen oecasionally is a fowls are very subject.

Increase of Lave Stook.-The late report f the Commissioncr of Agriculture states that, here werc on the first of Fcbruary in all the Slates, a total of \(5,401,263\) horses, valucd at \(\$ 429,271,818 ; 882,386\) mules, ralued at \(\$ 76\),, \(11,318,952\) cattle and oxen, valucd at 2t5,351,682; 39,385,386 milch cows and 34 ralned at \(\$ 132,774,660\); and 24,693 , res, as compared with those of last year fo eal a decided increase in the number of live stoek.

A Nathonal Horse Fait is to convene at Trenton, N. J., on the 11 th of June.

Influence of Wives. - It was not all a dream which made the wife of Julius Cxsar so anxions that he should not go to the Senate claauber on the poleon, from the time he ccased to feel the balance-whecl of Josephine's influences on his impetuoua spirit. Our own Washington, when important ques tions were submitted to him, often said that he wonld like to carry the subject to lis bed-chamber before forming his decision; and those who knew the elear judgment and elevated purpose of Mrs. Washington, thought all the better of him for wishing to make her his confidential connselor. Indeed, the great majority of men who have acquired a good and great name, were not only married men-but happily married-both paired and natchc

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Down ard up, and up and cioma. \\
Orer, ajd over, and orer; \\
Tom in the litile secd, dry and brow: \\
Iura out the bright red ciorer \\
Hor- and :ies sun your wort will siare \\
And the rain in its fime will fall. \\
For ratare she worketh ererwher
Aoc the grace of God through all \\
 \\
Dress ibe ground and till it; \\
Tura in the litile seed, brown anc cit. \\
Turn oat the goldea millet; \\
Tick in the bouse and rour house shal be duly fed: \\
Weriz, and rest sbal be won: \\
I holifist a man had better be cead \\
Thay a'ire when his worit is cone: \\
Down and up, and up and dorz \\
On the him top, low in :he raller. \\
Turn in the litite seed, dry and brown.
Tumn ons the rose and ing; \\
Tos: with 2 plan, er without a tian. \\
And your ends ther shan be shaped the, \\
To \(=\) and learn at frst band like a man
The best way to know what is to co. \\
Dorm and up till life shal close. \\
Ceasing not your praises: \\
Turn in the wid white winter Eaots. \\
Thm out the sweet Spring dasies. \\
Worte, the sun your work will share.
And the rain in its time will fall. \\
FGr =зtrre she worketh ererfinere. \\
And the crace of God rirorgh arl.
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\section*{Fireside fale}

IEE WBITING ON THE WASI.
- Yot little mischief: What are rou up to norr? [ll teach rou better, you maughty naugity cail? mothers lips to syy thes; and for a momenh in her heart to zet in accord ance witi i: Bat a better teought came into
her mind and she paused an instant, keeping back the hasty mords. It for she was young, impetzocs, high-spirited, rery nice Lousekeeper; and here was har boy Willie, of two or three rease. busily engaged in drawing a " horse and cart," as it seemed to his actire fancr, on the partoz wall. To bis mother's eje, the delicate, pretty wall paper with its iose-buds scattered on a white ground was no injoared br the porag artitts inandisick, and she had all the Fork to do, and had ouly left him tive minutes. With playthings and a pictare book, to keep him out oì mischief, to think that he showd siray in: that just where it mattered most. Bat she conquered just where it mattered most. But she conquered on the chillds shoulder, with the ooker she thot away his pencil, and said calmle, though gravely:

Willie, dun't yon kzoor that was naughty Mamma to!d you not to write on the wall. \({ }^{-}\) The boer had raised his iitile hands, to plead for his paucil, but he dropped them instantly, his face. His lip quireeed as he met his mo ther's eres, and the tears rol.eü domn, se he said, earnestly:

Oh, mamma: o sorry, mamina Mrs. Lawsou felt in ber heart thet the coit words were true; and. grateitul for the better thought that had come :o ber-the sireng th that had been given to raie herself, she took her boy in her lap and spoke zently, tende rly, to him, wiping away his tears.
"Willie, dear, you must try to remember. You don't want to do wha: papa and mamma don't like, and spoil our pretty house, do you?
Willie looked up in amazement. ." Don'
rou tink Willie's hort be prittr. manna? " he asked.

Tro months had passed away. and an awfol shador brooded over the bitherto happy home. Thore were anxioas rigils, and sad
silence, and a wresting of payer by Willie's bedside. The docto: came and went with s ferm mords, and a face carrying with : more
of srmpathy than of hope or encouragement Wille had been healthy, and his mother,
though young. Was careful and judicious; bu bough young. Was careful and judicious; but unsuspected door, that terrible disease, tha 15 tinose who have seen it can imagine, croup, had entered. Ab: in that trial time, when prayer swelled up from anguished hearts and lore could scarcely feel weariness, doing all thes human lore might do, br day or night - in that hour, again and again the recollection of the little scene in the parlor, only two montiss before, when she had nerer even
fancied such an experieuce as this, thrilled the fancied such an experieuce as this, thrilled the mother's soul with thanksgiving. She knew, theen. that if she had been unjust or impatien with her child, the remembrance would in thi dark hoor be her keenest pang; it seemed to her that erery hastr word ste had spoken to
he: brir, erer! impatient feeling eren, came bace' a: this time. But the dreaded cup passed. and Willie seemed trice forgiven, When father and mother held him to their greatful hearts, in the glad certainty of re
corery.
Aftermards rhenever Mrs. Latrsor's er :ed on Willie's rude picture, which still re to erase it she had been so busy before Willie ickiess that it was forgotten-it seemed chword. a reminder, a talisman that qnieted rong feelings, and brought into her hear re anc gratitude.
For cears it remained there; and when net Ser was needed, Mrs. Lawson herself so carefull yemored the strip traced br baby rame: as a precious thing. Br that time serez litule ones gathered round her fireside and that picture had been a medium of good them all, though ther kifer it uot
There Willie found it mien grown to man
I: is Caristmas Ere. Peace and good-will bide in the comfortable, well-ordered home o the 1 mwson famils. The dark-winged angel hes sometimes orershadored that home, but never borne any amar. All are gathered not beside its fire, save one. Willie, the first born painter, studying his profession in the land beautr and art-sunny Italy. But he is Nel. expected home before this festire season ceireci, and replete with hopeful affection and earnesi purpose, seems the thing next best io

But scarcely is the letter read, when they are surprised br the arrital of a package containing a Christmas gift, which, to their hearts, nus: erer be berond all price. It is a picture elicare and rich in coloring, graceful in
sign. of a little child drawing on a wall. Fasignened to one corner of the frame. is a tin note, inscribed simply "Mother.
All §ather eagerly around. Nor the pic re is beld in evers light, examined and rlkeà about in"tones of loring enthusiasm
" mother" sits silent, till one of the oznger children addresses a remark directly
o ber-"I rooder, mother, whr Will chose thes subject? It is beautifal; but it seems a lie:'e strange to send us from Italy just what he might find any day in our neighbors' And then "mother," with eyes a litile unteacr. told, for the first time to them, th ary of the child's " writing on the wall.

Ladr was once declaring that she could kaderstand how gentlemen could smoke. It certainly shortens their lives," said she I don't know that," replied the gentleman "there is my father who smokes er
\(\therefore\) Well," was the reply, "if he hadi nere smozed. मe might have been eightr.

Why doge Indiay robser Eeass Pescin Marks foom Paper :-It is explained thus: The pencil mark consists of carbon rubbed of from the bon of the pencil mark in the process nit rubbing. the smalier quantify of carbon in the pencil mark is attracted by the larger mass of carbon in the rubber, and thns remored from the paper. Black lead or plumbago. whicb forms the marking portion of the pencil, is a mineral substance, composed chiefiy of a comporind of carbon and hydrozen. in the proportion of ninetr parts of the former to ten of the latter.
cercal journalist says the reason so mens marrages ocenr immediately after
great war is, that bachelors become so ac customed to strife that ther learn to like it and ater the retarn of peace they enlist i maximon: as the next thing to war.
clusirely on winged insects, which are taken on the wing by these ærial feeders. The foregoing are good and snbstantial reasons why birds should be preserred. Others will be given hereafter. Let these suffice for the present; and there can hardly be a doubt that, when all the reasons for preserving birds are weighed against the fert for destroying them, they will be permitted to lire, and sing to delight the lovers of Nature, as well as to destroy rermin

\section*{Fiweside 珣iscellany}

\section*{THINGS WISE AND OTHER WISE}

Ntrang colds, cleaning yards, planting earls peas, dress-making, house cleaning and keep-
ing one's temper, are the principal domestic ing one's temper, ar

One might have heard a pin fall," is a prorerbial expression of silence, but it has been eclipsed by the Freuch phrase, "Tou might hare heard the unfolding of a lady's cambric handkerchief:
At an agricultural dinner the following toast ras giren: "The game of fortune-ihuffle the cards as rou will, spades must min.
What perfume is most injurious to female beautr? The essence of thyme (time).
"Tie see," said Sxift, in one of his most sarcastic moods, "What God thinks of riches by the people whom he gives them to.
The moto of a new Tirginia paper is,"Eternal rigilance is the price of libertr-the price of the Expositor is three dollars a rear. Whr is the early grass like a penknife cause the spring brings out the blades. Sotibs or Soxg Tities.-"Tou'll remember me "一 Wheu my note is protested.

In đarkness I wander."-Take a lantern and go straight on.
"We met by chance."-At Crosby: Opera House.
Murmurs of the tied-married people's complaints.
To curb a fast young man-bridal him.
Female grmnastics-jumping at an offer
Farorite airs of mammas haring marriageable Caughters-millionaires.
A serpentine mathematician-the adder.
The oldest case of lunacs-time out of mind. A social posy-the dandy lion.
Au Irishman says he can see no earthly reaon why women should not be allowed to ome medical men.
A cigar may dram wisdom from the lips philosopher, and stop the mouth of a fool.
Whr is an author a queer animal? Becanse his tail comes out of his head.
Give strict attention to your own affairsnü consider your wife one of them.
A pin has as much head as a great many auhors, and a great deal more point.
John Minor Botts recently recorered a horse which was stolen from him during the mar: Thereupon the Ner York World remarks :"If Botts \(\pi\) tas disconsolate withont the horse, how happs was the horse to be free from Botts:

A Graphic Description of Chica. - a counry where the roses hare no fragrance and the romen no petticoats; where the laborer has no Sabbath and the magistrate no sense of honor; where the roads bear uo rehicles and the ships uo keels; where old men fly kites where the needle points to the Sonth, and the sign of being puzzled is to scratch the antipodes on the heel; where the place of honor s on the left hand and the seat of intellect is in the stomach; where to take off your hat is an insolent gesture, and to wear white garments is to put yourself in mourning; which has a literature wilhout an alphabet and a langaage rithout a grammar.

Is the depths of the sea the waters are still; the heariest grief is that borne in silence; the deepest lore flows through the eye and touch; the purest joy is unspeakable; the most impressire prayer is silent ; and the most solemn preacher at a foneral is the silent one whose lips are cold.

\title{
General wiscellamy
}

\section*{TROUT IN TANES.}

Now that the subject of fish culture is attractiug rery genemal attentiou, almost any facts relating to it are of greater or less falue I send you a short extract from Morris' American Anglers' Book (published iu 186:3), which I an sure will be of interest to many of your readers.
"A singular evidence of the number of trout that will thrive in a suall space can be witnessed at Hallertown, a few miles Sonth of Bethlehem, Pennsylvania. Owen Desh, who keeps a hotel there, has a trough in his yard which is trenty-four feet long by two wide,
with a depth of water not over eighteen inches. In this limited spaee be generally has from six to eight hundred trout from nine to twelve inches long. He has even kept twelve hundred in the same trough and all in a healthy condition, where they grow rapidly and get fat on a small quantity of curds fed to them onee a day. *** The trough iu question contains seventy-two eubic feet of water,
and when it has seven hundred and twenty trout in it, there are just ten fish to a cubic foot. This useful aquarium was established many years ago by Mr. Desh's father: Trout seldom die in it. The spring which supplies it, rises in the garden a few yards above, an would flow through a hole an inel and a hall square.

It is not erery one that ean go into trout breeding or feeding on any considerable and systematie scale, if he has the disposition. But there are few Vermont farmers or land owners, who have not on their premises the means for supplying their own tables with fine brook trout, fatted by thenselves or thei ehildren-to whom (these last, at least), the care of the fish would be a daily recurring and increasing pleasure.

Dotes as Falm Stock.-In many portion of France it is said to be the practice of lind holders to make it a condition in their lease to temants that they shall proride a pigeonhouse, or dore-eot, and keep it well stoeked With these birds. The reason for the con dition is that these birds do a great amount of good in eating up the seeds of noxious plants, such as chess, eocklc, and the like. They do not live on well grown grain when they can find that which is shriveled, as well as the seeds oí weeds and grasses. They are husy workers among the offal of the barn-yard, but do not, like the barn-yard fowls, scratch up gardens and play the mischief generally. It is a general remark among French farmers that iu districts where the pigeon is the most abundant there the wheat fields are the cleanest anci the crops the inost prolific.

A max with a large family was complaiuing of the difficulty of supporting all of them. "But," said a friend, "you have some who are big enough to earn something now." "The difficulty is, they are too big to work," was the answer.

Tue San Francisco times of the 2 2th ult. carefully considers the chances of a good Wheat crop, and concludes that "California will gather at least an average harecst the present scasoll, ensuring, in vicw of the breadth of land sown, a large aggregate of cereal products, and consequently a good deal to spare."

Tobacco Farr.-The Kentucky State Agricultural Society will hold a Tobacco Fair at Louisrille on the 12th and 13th days of June next. Hundreds of hogsheads of that staple will be on
premiums

False Lips, it is stated, are actually worn by some ladies of Philadelphia. They are made of pink india rubber, are attached to the lips in a manner which defics detection, and pire a pretly ponting appearance to the moutb.

A NEW WRINRLE IN HORTICULTURE
At the last meeting of the Agricultural Soeiety of Iudia the Res. Mr. Firmingham eonmunieated a plan by whiel the stones of fruit may be reduced or made to disappear, and the pulp be increased in size and improved in flay . At any time during the eold scason selee braneh that is to be used afterwards for iu arching. Split up carefully somewhat less than a span long. From both haves of the braneh thus split, seoop out cleanly all the pith; then bring the split halves together again, and kcep bem baudaged till thoroughly united. At the sual time, the beginniug of the rains, inarel he branch thus treated upon suitable stock, taking for the place of union the portion of the braueh first below where the split was made. Upon a braneh of the tree thus produeed a sim lar operation is performed, and so ou in sue ession; the result heing that the stone of the ruit becomes less and less, after cach sucees ive operation. This proeess has heen applied ikewise to the grape fine at Malaga; and plants thereby have heen produced which bea the finest fruit, without the slightest vestize of seed within them.

\section*{}

\section*{The Oli Patroon: oh the Great Val
Broek Proberty.-By James A. Maitland Broek Properimp.-By James A. Maitland} A loeal novel is generally more interesting than one with its seenes, incidents and charae ers in foreign lands; hence this story of Ameriean life-although written by an Engish anthor-has peeuliar claims upon us. We have read Maitland's "Wanderer," and "The Diary of an old Doetor," but were not satisfied with his style for a popular novelist This last produetiou, The Oln Patroon, read well ; refreshes our memory of Kuiciserhoeke customs; exhibits the gaudy side of New York fashionable life: the haunts of viee in ome great commereial capital, and hits ion. We cannot call this a brilliant novel yet it is full of pathos, satire, and far better than three fourths of modern tales.
Songhum and its Prodects. Al aceount o Reeent Investigations coneerning the value of Sorghum in sugar production, together with description of a new method of making Philadelphia: J. B. Lippincolt \& Co .
The partial failure of the Ameriean sug The partial failure of the Ameriean sugar nost total catinction ot the business through the war, turned the attention of progressive agriculturists to some other plant that would prodnce sugar. In 1854 the Government imported some Clinese sorghum seeds, which were distributed to various parts of the country for experiment. They were not particu larly suceessful-mainly, perhaps, because we did not understand its culture; nor of the proper method of makiug syrup and sugar rom it. In 1857 an importation of African sorghum, or imphee, lead to further experi ments. It has been found to grow well in "the Summer isothern of' seventy degrees; his line runs throngla Southern Connceticut New York, Northern New Jersey, Southern Peunsylvania, Ohio, Miehigan, Indiana and Missouri. It has also been found to thrive well down to the cotton and cane regions.
The volume before us treats of Sorghum and ts culture, as indicated in its title. From a hasty perusal, we are much pleased with Mr . Stewart's views and investigations. He fairly cxhausts the subject, and throws mueh light and practical information on the culture of this sugar produeing plant. We have faith that it can be made a productive crop, as it will grow anywhere, almost, where corn is raised. We recommend the volume to al agriculturists.

\section*{THE FATRM AND FIRESIDE AND TH PATIRIOT FOLE 84.00 PER YEAR. \\ send the FARM AND Fineside and the Woovsocker PATRIO
for one ycar. The subscription price of the later, alone, \$2.50. Tuse Patriot is an old estahlshed family newspaper, wlth the largest cireulation of any country journal in Nem
England.
S. S. FOss, Poismen,}

Ture peaela erop of Illinois promiza arge this season.
marriaģes



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\section*{brighton cattie taarket.}







the wool market


WEEKLY REVIEW OF THE NEW YORK
WHOLESALE MARKET.
\(\qquad\)




\section*{TERMS OF ADVERTISING.}

Allmited number of advertlsements will he puhlished in the
Faby and Firebide. Price, fifteen eents a line cach inbe!
Great American Tea Company.
the immense profits
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\hline \multirow[t]{3}{*}{their Teas at the same price (with the amall addix,mal expense of transportation) as though they bonght thero at our Ware-} \\
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Reflection--It cannot be that earth is man's abiding place. It cannot be that our life is cast up by the ocean of etcruity to floaz a moment upou is about unsatisfied? Why is it that the rainbow and eloud come over us with a heanty that is not of earth, and the of our off and leave usto muse upo their faded loveliness? Why is it that the stars, which hold their "festival around the midnight throne," are sct above the grasp of our liuiied facultics, forcrer mocking us with their unapproaehable glory? . . Ind, finally, why is it that brighter fornss of human b
taken from us-leaving the thousand streams of our affection to flow hack in Alpine torrents upon our hearts?

\section*{Farm and carden}

\section*{MINOR MATUURES, \&C.}
by h. kohly, mineral point, Missouri.
Allow me to point out to my beother farmers a way to make a good and cheap fertilizer worth, if my theory and olfactory nerves do not deecive me, as much as many fertilizers sold in the trade, pound for pound. It is simply wood ashes sprinkled liberally and daily in the hen houses, uuder the roosts on the floor. The wood ashes should be mixed with burnt bones, broken fine, which is a very easy operation when they are burnt. Every week clean the heu house thoroughly and barrel up the mauure out of the rain. Fifty fowls will yicld easily a barrcl per week, fifty-two barrels every year of a fine compound of potash,
phosphate of lime and fixed ammonis-the phosphate of lime and fixed ammonis-the
very things to bring about the formation of valuable nitrates. There need be no expenscs for it, at least in the Wcst, where wood is pleaty an llouds of whitc bones are to be picked pleaty and over and around every farm. Besides, up all over and around every farm. Besicles,
the fowls relish and are benefited by these broken bones.
Auother way to increase your quantity of manure, praeticable almost everywhere, is to wake up the pile of wood chips to be found
in almost every yard at the close of the Winin almost every yard at the close of the Win-
ler. Build a heap with aiternate layers of chips and boues, horns and hoofs; set fire to it in the center, like a charcoal pit; cover it with dirt thick enough to have a close combustion for several days, till it dies out. When you open the pit you will have more or less ashes and wood charcoal, both valuable as manure or stimulants; also bone chavcoal, a
very precious fertilizer which I am surprised not to see more used in this country. In Fraucc it is highly valued for all kinds of crons, cspecially on new or acid lands.
For the last few years every other man has had his own plan for defecating saccharine juices previous to evaporation, or has had a filter of some kind, patented or not; and yet the most of the molasses and maple sugar is brown, black and dirty. This cau be avoided entirely, and accomplished in a most perfect way, by treating the said saccharine juiccs ot sap with sub-acetate of lead. This salt has the valatible properties of combining with and precipitating every vegetable matter; ghim; ehlorophyl, starch, tamnic acid, \&c., sugar cxcepted, leaving, in fact, nothing but the sugar in saspension in the water or sap. This is no discovery of my own; it can be found in almost crery Frencli elementary book on chemistry. I tried it with perfect success,
submitting the sweet liquid afterwards to the submitting the sweet liquid afterwards to the
strlphuric acid test, without detecting the least trace of lead. If some practical chemist would take hold of it, experiment and report, it might prove useful to an immense number of sorgho and maple sugar manufacturers. I know that parties interested in the sale of patent, magic filters will try to raise a prcjudice on account of sults of lead being poisonous; but if the process EF prorsed to be innocuous, truth and science widucmain masters of the field.
Aforys. \(186 \%\)
Hen Manuer--This is a most valuable article, and possesscs a value almost equal to that of the best guano, even when mixed with half its bulk of garden mold. By mixing the excrement of hens with mucls, or well decomposed peat, and saturating the whole with urine, or diluted sulphuric acid, a compound of great cnergy will be fonnd, and which, when applied to the purposes of vcgetable enrichment in the ordinary way, will insure the best and most salutary results on any crop.

An Eaglish farmer recently remarked that lre fcd his land before it was hungry, rested it beforc it was weary, and weeded it before it was foul. Seldom, if ever, was so mnch agricultural wisdom condensed into a single sentence.
on planting garden seeds.
Is planting various kinds of garden seeds, many persons manifest a great want of judgmany persons manifest a great want of judg-
ment in regard to the proper depth that seeds ment in regard to the proper dep bovered. The crror is more ficquantly in planting them too deep than otherwise; the depth that seeds should be planted, varies with the kinds, and iu some degrce with circumstances. Large secds of strong growing plants: such as peas, beans, corn, \&c., should be plantel deeper than small sceds of delicate growing kiuds like carrot, lettuce, parsley, celery, \&e.
To insure speedy vegctation, seeds requirc a due degree of moisturc, heat and air. If the seeds are not covered sufficiently deep, particularly after the waru weather sets in, they lack moisture and fail to vegetate. If planted too deep they do not receive the requisite amouat of heat and air, and they cither rot, or the young plants exhaust their strength and vigor in forcing their way into the open air.
Such plants as the radish, cabbagc, turnip and the likc, readily absorb moisture, and if the weather is warm, come up in a few days after planting. Such varieties as the parsnip, carrot, celery, parsley \&c., with the mos favorable requisites of vegetation, are generally a long time in coming up and must be planted early before warm weather sets in, or they are tiable to fail altogether.
As a general rule the seeds of delicate plants should be covercd about half an inch deep, more or less, according to the lightness of the soil and the seasou of planting, as it regards the prospect of moisture. The sceds of beets, several of which are enclosed in a single head, capsule or sced vessel, requirc considerable moisture to cause them to burst forth, and it not planted early they should be soaked thirtysix hours, the water snould be turned off and the seeds kept moist for several days before planting. Such varieties as peas, beans, okra and similar kinds require a covcring of carth from one and a half to two and a half inches. With regard to the depth that seeds should be covered, it is a safe rule to cover them with a depth of soil about equal to their own thickness. This cannot always strictly be done, but it should be aimed at as nearly as possible for early planting, and in late planting should be covered deeper.

Forkign Agriouttore.-The last published eport of the Agricultural Commissioner gives some interesting statements in regard to foreign agriculture. In Great Britain, last year, with serenty-seven millions of acres of millions of acies were depoted to cereals. France has one hundred and seven millions of acres and thirty-seven millions of peoplc, and she had thirty-nine millions of acres devoted to raising cereals, and fity-eight millions of acres devoted to grass growing and grazing. In Austria, with one hundred and forty-five millions of people, thcre werc twenty-six millions of acres of cereals cultivated last year, while Italy, with twenty-four millions of people, devoted twenty-seven million acres out of sixty-eight millions to cereals. The cultivation of the potato is carrich on most extensively in France, that country having produced tivo million bashels last year; while Eugland produced four hundred and ninetycight thousand, and Treland produceal onc million bushels.

Shefer should have a grcater variety of food than any other domestic animal. Linnæus found sheep refused only 141 species of plants out of 517 offered them. The first food in the moraing should be good suft hay.

IT is said that in a siugle eounty in a Western State, infested by the potato bug, 500 acres of potatoes had been wholly destroyed, and the owner of one farm estimated that he had 100 bushels of these insects on his grounds.
Ir is said insects will be less destructive in an orchard well cultivated, than in onc that is left to grass.


\section*{Bhode Istand.}
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CHASE'S TWO HORSE POTATOE MGGERS, STORE TRUCES,
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wowing worines, moting machines, Whitcomb's Patent Horse Råke, and the hest Hay 'redder in
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 Now offer at the 1.0wrst onsm perors, 2000 Sacks Prime Red Top.
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sou
Bag Prime Herd Grass.



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 32 casal strezer: 32.

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\(\qquad\)
April 13, 1867.







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nility Quantly of Wool
It kilis TiCKS on Sheep.
It cures SCAB on Sheep
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ETi ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIOHT Sounns of TOBACCO, as prepared hy farmers.
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THE STANDARD MANURE
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The Farm and Fireside is devoted to Agriculture, Horticnlture, Stock-Raising, Rural Arclitecture. Market Intelligence, Literature aud the Arts. It has a corps of agriculturai writers of reputation, and the aim of the Publisher will be to make a journal eminently practical, and of every-day value to its readers. The Literary Department is intended to instruct and amuse the farmer's hetter half and his rhildren. Nothing will be published offensive to good morals. In all its columns this journal will advocate the best interests of the farm aud fircside. 'Tums- \(\$ 2,00\) per year', in advance. Single copy 5 cents.



The Farm and Fireside.

Fhe Firesite 洞use THE LESSON OF THE WATER-MILL


\section*{Frwe field.}
the corn crop and its cultivation.
Wrilten for the Farm and Fireside,
bY tiomas J. enge, Losdoscrove, pa.
Inasmuch as one of the correspondents of the Farm and Fïreside has alrcady given the principal items iu the preparation of the ground for this crop, it would secm as if therc
could be but little left for me to say, and hence I would draw the readcr's attention to the after work on the crop, viz; putting in the scel and cultivating.
With regard to plowing for corn, therc are many who think that by slallow plowing on a
tough sod, they can obtain the best crops of tough sod, they can obtain the best crops of
corn, or rather can obtain better crops than by corn, or rather can obtain better crops than by
deeper plowing; this is one of the many ideas deeper plowing; this is one of the many ideas depend so mucl upon local circumstanecs, such as depth and quantity of the soil \&c. which make it impossible lor one correspond ent to lay down rules for the government of the readers of any one agricultural paper, however small its circulation. Hence, when I say that for all crops I prefer deep ploxing, I do not wish to be understood as laying it down as a rule for the government of all or any, except those on a similar soil. In a moclerately damp season, on a well limed sol, I have raised as good corn by shallow plowing as where this operation was performed to a greater depth; but as I find decp plowing to be most certaiu to yicld me a crop, I always prefer it to a system which I have found precaricus.
Much has been written, and perbaps unch more will be written, apon tbe comparative advantages of crill and hill culture, and yet, judging from recent articlcs, the matter is no nearer a definite decision than it was ten years ago.

From expericnce and theory, I am satisfied lthose portions of the ficld which were expected that theoretically, drilling is best; but that in practice hill culture will yield me the lest re the crop. I say that drilling is theoretically best, because it is cvident that it is better to best, because it is cvident that it is octer to
have three stalks evenly distributed over four have three stalks evenly distributed over four
feet of the row than to have them ail in hills four fect apart. But can we attain this result in practice? I must answer in the negative by using sufficient seed and thinning out the plants mysecf, I can come reasonably near to it, but if I bave (as I often must do) to trust the thinning out to hircd hiclp, I will uot come the thinning out to hired hici,
very near the mark desired.
There are othcr itcms which in practice I have found to he against drilling for corn; is more dillicult to keep frce from weels; re quircs more hocing and hand wecding; it three acres of hill corn in the same time they require to cut two and one quarter of drilled require to cut two and one a last objection, and one which is most always overlooked in casting up the blalance, the drilled corn will produce the largest stalks and look the best, when probably at the same time it will not produce as much or any more corn than an adjoining field plauted in hills. If we could only get the stalks regnlarly distributed, there is no doubt tbat drill culture is the best, but for rcasons above given I have adopted hill cultuse after a trial of botb, under the same or similar circumstances.
Where hill culture in squares is alopted, the covering will usually be done with hoes, and grcat eare should be taken to cover it evenly and not too dcep. Many are of the opinion that it makes but little difference in the general result, whether the corn is onc or
three inehes deep. Experiment will convince three inehes deep. Experiment will convince hoping that some of my readers will try similar experiments, I will give the result of oue which I have tricd for the two past scasons, which, though only tried with eorn, may be applicl equally well to wheat, oats, or any plant producing a jointed stcm.
In the cxperiment alluded to, the different rows were all treated alike (except in the depth of planting), and were planted as nearly as possible at the same time with sced froun the same portion of the ears. That planted one inch deep came through in eight and three quarter days; the next rows were each one planted lalf an luch deeper thau the preceling onc, and the last onc was put in \(s i x\) inches decp. The last five rows came through eleven and three quarter, ten and ouc twelve and one quarter aud thirteen days, respectively. That plantel six inelics deep came up very pale aud uuhcalthy, and after lingering thrce days, dicd. Many will no doubt think that the last thrce or four were grcatly exaggerated cascs; so they werc, but they were important in carryiug out the end I had in view.
Careful cxamination will show ns that after the point of the sprout has reached a distance of one and five-eiglth iucles from the grain, it commences to form the first fruit ; and experiment will demonstrate that if this point is more than half an inch bclow the settled surace, the stalk will seud out a new set of roots from it ; the sume experiment will demonstrate that while these new roots are being furmed, which will gencrally be about the time the first two leaves arc fairly formel, the plant, as far as perceptible growth is concerncd, will remain stationary for from one weck to ten days, when it will again grow as usual, but will sel dom, except from local eauses, overtake its less deeply planted companion. Corn planted four and a half inches deep, took two of these
stationary spells, but after it rccovered, the adjoining corn, plantcl but two inchics deep, was two fect high, which difference not only
was prescrved, but was materially incrcased, and the decply planted was further behind.
Mr experience is, that upon no account should corn be covered more than from one incls and a half to two inches deep, and of tbe two, I would prefer the former clepth. Many
to do the best will often secin to remain sta-
ionary for from one to two weeks, aud then tionary for from one to two weeks, aud then
resume their growth. May it not be the case that these better portions are in better orler and "good covering" mintentionally induced deepor planting?
I am well satisfied that we would be amply repaid for a more carcful observation of thi
laws which govern the growth of our cereals, and il not out of place, I may in a finture number give the result of my observations upon whent and oats from thicir sprouts to rowth of five or six inches.
May, 1867

\section*{}

\section*{breeding and feeding pigs.}

Ir is well to increasc the quantity and qualty of a sow's fecd a week or so hefore pigging, \(s\) it tends to increase the flow of milk for the young; but she should be fed sparingly on light food for a day or two after, then a no sow ean furnish milk cuougb for the in creased demand of a large and growing family witb scanty fced, nor ercn 'with any amount an she furnish a suffieiency of nourishment or six to ten pigs. Thercfore, if you wist the pigs to become properly devcloped, they must be supplied with milk or other food, as soon as they will cat. A sow slonld nerer ials ped to get poor white suckling. Fechng grow up and be properly developed-will pay twenty per ceut. better than at an adranced I he sowny allow my pigs to remain wit I sor till two montlhs old, and I think
best to lcave one or two on a few days afte the others are taken off, to relieve the sow Care should be taken to have cacb sow alone before pigging that sle may be recouciled to her quarters, and become perfectly quiet and contented. If coll weather, a dry warm shelter, is indisplensable; if warm weatber, they lo very well at liberty in au open lot or ficld, with but little bedding; when much litter is allowed, the pigs are nost likely to gel notbered or overlaid, particnharly if a fal Hogs, as a gencral thing, will grow, thriv and fatten well confined, in not two close pens, all their days, if the sty is kept clean and well ventilated, with occasional throwing to tbem a little charcoal, ashes, old lime, rotten wood, nortar, sola or liresh earth. Such things they zecm to ncel and relisb very much; they lelp to much enjoy a range of a lot or pasturc: it tends to their health and comlort. I have middle of May till October, with occasionally little salt and no feed; but I believe some fed with the pisture during the Summer will pay well, as it will aid in tbeir growth.
For the last eight or ten years I have cooke fecd for my hogs. I have a steamer fixed up I' mush at a time I one or two of conomy, belicving about one fourth the grain is saved thercly. I geuerally feed of corn two parts and oats one part, ground to gether, and leed considerably of whole corn, dry. Feed when cooked, should be allowed to get ncarly cold before being given to the pigs. In short let us have the best breeds, the best brecding, and the best feeding, to insure good stock of any kind.

How to heeak Cattle to Lead.-Takc two animals of about equal size and strength and tie them together with a strong rope by placing one cnd around the horns of one animal and the otber end around the horns of the other, and make them fast, as for leading or tying up, leaving three or four fect of rope be-
field free from trecs. Let them run and pull and haul till they are tired of it, and will walk
side by side and feed togcther. Then take ofr the rope and they will ever after lead with the docility of a cbild, cven though the first occasion may be years afterwards. It is mucla casier than for a man to be jerked around all
day byy a wild heifer or steer, and more effecday hy a wild heifer or steer, and more effice-
tual. We have tried it and know.-ManchesII.) Mirror.

Cors axd Ponk-Twelve and onc-hatf bushels of corn given to a hog will make him ne hundred pounds net larger; hence, corn
 dred you gret from fifty-two to fifty-six cents per bushel for your corn.
live ten or fifteen milcs from your market, the hauling of two, threc, or five hundred bushels of corn costs you consiterably more tban it locs when fed to your hogs. The mannre
will pay for feediug. If properly eared for, offal will pay you for the killing. It is better o fecd than sell both hogs and corn.

Srook-Feedisg-Raw and Cookel Food. -The question as to which is the most profitafor fecding stock, raw or cookel food, still ngages the attention of the agricultural press. ooking process. A Kentucky farmer fed raw corn for a given time to his logs-weigbing
them at the time of commencing the experiment, and again when a change was made to cooked food. The result was fire and a half to eventeen and a half-a large balance in faror cooked food after deducting the expense ol
preparing the latter. Even onc-latf of the hove difference would justify the fecding of raw state.

Tue clistance at which trecs should be set is matter upon which people often make misakes. When transplanted into an orchard he trees look small, and it seems like a waste of groudd to place tbem twenty-five or thirty ect apart. But in a few ycars, if the trees do well, the thing looks differcntly. We have ond ther have becn improved by removing erery and vigor of the trec, that when it has atained its full sizc, the rays of the sun may hare frce entrance to every part of the top. Apple trecs, on strong, rich soil, should not be set less than twenty-five fect apart. This will
give sixty-nine trees to the acre.

Test for Stalech on Grape Stgars.-Piric acid, one ol the derivatives of phenol, formed by the action of nitric acid on phenic acid, is \(f\) a yellow color. A few drops of a solution
f piric acid in 2.50 parts of water is added a solution of this lind of sugar (glucose) containing a little caustic soda, and heated to \(0{ }^{\circ}\). The misture when boiled assumes a bood-red color, a result from the formation of picramic acid. A solutiou of canc sugar (sunot produce this change of color.
If a picce of copper be dissolved in ammonia, a solvent will be obtained, not ouly for woody fiber-such as cotton, flas, paper, \&ec, but also for substances derived from the aninal kinglom, such as wool and silk. By the solutiou of auy of tbese an excellent cement what is equally important, if cotton fabrics be saturated with the solution of wool, tbey will and cochineal-litherto suited to woolen goods only.
Tue lunber season lias been a grod one on The Penobseot waters, notwithstancling the ateness of commencement. The quantity of logs cut is somewhat larger than during the on the smaller streams, and the drive will probably be less.

Derrins of The Sea.-The soundiugs for the ransatlantic eable have enabled comparisons to be made of the differcnt depths of the sea. Generally speaking, they are not of any great depth in the neighborhood of continents; thus the Baltic, between Gernany and Sweden, is only 120 fect
deep; and the Adriatic, betwecn Venicc and Trieste, 130 feet. The greatest deptb of the clannel betwecn France and England, does not exceel 300 deep; and the Adriatic, betwecn Venice and Trieste, 130 feet. The greatest deptb of the chanel betwcen France and England, does not exceed 300
feet, whilst to the soutbwest of Ireland, where the sea is open, the depth is more than 2000 feet. The seas to the sontlh of Europe are munch decper feel, whise in the interior. In the narrowest part of the Straits of Gibraltar the depth is only 3000 fect, while a little more to the cast it is 3000 . Dr.
than those Toung estimates the arerage deptb of the Atlantic at 25,000 feet, and of the Pacific at 20,000

\section*{Grape Culture.}

\section*{"as in the past so in the future."}

OUr new American grape vines have one advocate who is disinterested; one whose where "we have been secking these three years, and found none." "Let it alone," says he, as did the dresser of the Vineyard in the parable of the fig-tree; "let it alone this year, also, till I shall dig about it and dung it, and if it bear fruit well, and if not, then after that thou shalt cut it down." We, too, have been
seeking fruit these three years and have found none; but alas! our vines have given up the ghost, and all the digging needed is to dig them up. And we are not alone; nor is this failure any new thing. Who ever heard of a
successful vineyard of Isabellas, or Catawbas, successful vineyard of Isabellas, or Catawbas,
in the interior of the Northern or Middle States, that continued in bearing many years? Or did not thoroughly disappoint the planter, except in very few favored localities extremely exceptional? Ah!but these vineyards, of which so much has been promised, so much expected, are not Catawbas, nor Isabellas; they have passed away to the limbo of forgotten
things, and we have now the exquisite Delaware, the choice Diana and Rebecca, to say nothing of the Adirondac and "the refreshing Iona!" Three years ago, all that was said of such varieties, was true my friend, of the
earkier named varieties, as they then conearier named varieties, as they then con-
ducted themselves; but their behavior has ducted themselves; but their behavior has
changed for the worse; they have become changed for the worse; sadly deralized." In the light of present experience it will not do to speak of them as in their infancy; nor to expect of them, since they have suffered from contact with the
world, what the innocency of their ehildhood world, what
promised.
We, the American people, do not appear to resemble the Bourbons, of whom it was said, resemble the Bourbons, of whom it was said,
"We, on the contrary, are ever learning something new and forgetting every old lesson." How much the rise and growth of the present grape mania resembles every other great
movement of the kind that has had place among us, is apparent to those whose recollection extends over a generation only. How many vineyards of the foreign vine were planted, how many thousands of experiments tried in almost every State in the most favorcd
regions of the United States; to end in utter regions of the United States; to end in utter
failure! How many hundreds of thousands of dollars sank from want of correct and complete acquaintance with the distinctive pecuour country, and wberein they differed. How many years passed in which disappointment sueceeded disappointment, before the enthusiastic projectors would believe that the climate
was unfarorable, that the extent of tempera was unfarorable, that the extent of tempera-
ture, the suddeu changes in Suminer, were ture, the suddeu changes in Suminer, were
destructive and could never be overcome! How many then entered as wildly into growing the native grape North, South, East and West, regardlcss of the differences of climate, the heights or exposure, soil or circumstances;
planted Catawbas and Isabellas, Powells, planted Catawbas and Isabellas, Powells,
Elsimboroughs, Alexanders, \&e., to reap-what!-Wine by the pipe-to sit under their own vines, where none could make them
afraid? No, vcrily;--but disappointed hopes and cmpty cellars and pockets. The climate tought agaiust them, and they again suc tought

Nothing daunted, comes a new generationYoung America will solve the problem. Our fathers did not adapt their varieties to the climate. We will find some hardier kinds,
ripening in shorter seasons, more enduring of ripening in shorter seasons, more enduring of
extremes, less in clined to mildew, less disposed to rot. We will grow our own grapes and drink our own wine; we will supply the foreign market; we can do it and we woill! Has it not been prophesied that "we shall export our poetry and wine," and are not the name of propbet and poet still the same-must not the prophecy be fulfilled-and are not we the

Uthe track. You have not made a reconnoi-
dsance of the field of operations. You have
sance of the field of operations. You bave judged of the Summer by one swallow; you men of the city you have visited: What guarantee bad we that success in one or two years would ensure us continued favors, or that Bacchus had at length been propitiated by our many sacrifices; alas! unvilling sacri fices, and therefore undeserving of reward!
But you have not tried the experiment to a full issue! Was not he of old rebuked because he would cut down the barren fig tree? And
have we yet sought fruit more than three ycars? Sha:l we re-plant our vines, for the first planted will know no revival? No, say we, we shall our dwelling, or essay to raise a few grapes on our dwelling, or essay to raise a tect them from the frost that so often falls "from the keen, cold heaven," on our tendcr
rines, even in mid Summer; or we shall seek some region favored by Heaven with moist, warm air, and tempercd days and nights, when our hopes shall not be withered by the West wind or pass away with the Summer clouds. For without a metaphor, iu these we may find influences play around us we shall fail to grow vines of any especial value, and our promise
of wine will fortunately never be realized. We say that without the favoring cireumstances which prevent the Summer extremes, so destructive to our rines, the promises of wine will fortunately never be made good. We say fortunately, for we believe that if the product of
our successful vineyards should be thus abused, their failure is rather to be csteemed a blessiug than otherwise. Observations made in this and other countries, has taught us that no adof light will result from the general use eve argument that their temperate use will stay argument that evils of intoxication, is about as absurd as the proposal to prevent the development brigauds aud highwaymeu by weak training in
petty lareeny! As virtue will endure no taint petty lareeny ! As virtue will endure no taint,
and every evil grows apaee by its own inher ent tendencies, so temperance will bear no triffing with aught that is alcoholic, and although as fruit we may regret the loss of our grapes, as wine we may prove to be the greate gainers as we have loss thereof. The consola tion may be said, by some, to savor itself of sour grapes!
Suree Farm and
May, 1867.
Two Large Troot.-While in Messrs. An drew Clark \& Co's establishment in Maiden Lane, New York, we were shown the photo-
graph of two large trout, killed last season in one of our Northern rivers. As many of our North-west friends are disinclıned to believe that the trout grows to a greater size than five or six pounds, we will state the weight of these two, as additional proof to what has this subject are erronious. One weighed seven and threc-fourth pounds and the other eight and one fourth pounds. - Field, Turf and Farm.

New Mode of Labeling Trers.-At a reent meeting of the Society of Arts (Institute of Technology ) Boston, the Hon. M. P. Wilder mate a statement relative to a new
method of labeling trees, accidentally discovered by him. In the use of zinc labels, which were the most durable in character, an indelible ink was used, but not having the ink at hand on one occasion, he wrote upon the zinc with a lead pencil. This writing, alhough it could be rubbed off when first made, grew more distinct and durable with age, and after several years could not be erased except by scraping.
A. New Yorr naturalist protests against naturalizing the English sparrow in this country. In Europe it is regarded as a nuisance, ald it has becn estimated to destroy ten mil-

\section*{The IPaultry-䕀ard}

\section*{DOMESTIC POULTRY.}

The season for commencing operations in the poultry yard is fairly upon us, and we propose to treat generally on the subject of the management of poultry without reference to breed or description. Birds may now fairly be considered as safe from the influence of the weather, therefore we shall not speak o the management of house raised stock, but of the farm yard and free roving. First of all comes the subject of feed. Poultry should never be over ied; the habit of throwing inquantities, where a limited number of fowl are kept, is highly injurious. In a large farm yard and stable premises they require but little beyond that afforded by their own industrious foraging. A spoiled liver, or other meat from the butcher, boiled and cut from occasionally, s excellent. Then some chopped cabbage or mashed boiled potatoes, with a little corn and wheat screenings, or other grain, and a few pounded bones, lime or oyster shells, with which to eover the eggs, will complete the diet. Feed regularly erery morning, and always in he same place. The hens will be found in waitiug for their breakfast, and almost before hey have finished will run off to the nests for elief.
Where large numbers of poultry are kept the ground must often be renewed to prevent it getting tainted; this requires labor and maerials. Now, there is only one material which combines all the requirements for the floor of a poultry home, and with which Providence has supplied us bountifully, namely, earth. It is composed of all the necessary materials to
the animal economy of the poultry; it is of a the animal econoiny of the poultry; it is of a
deodorizing nature, and, when tainted with the manure, becomes a valuable fertilizer. In fact, it is often unfortunately forgotten that the manure of poultry (Guano proper) is one of the most valuable manures for the flower gardens, strawberry beds and the green house. Let, therefore, the yards where poultry are necessarily confined, be frequently raked and swept, and fresh earth, gravel and sand sprinkled, or if not, let it be raked, that a new top may be presented in the morning when the fowls leare their roost. Cleanliness is one of he chief necessities to poultry. Clean sand wbich they can dust themselves is absolutely neccessary, and should be left within range of their ouarters.
Ashes for them to dust in should also take the place of the dry earth in Summer, and hey should have meat in some form, the most available of which is the pressed ca
greaves from the tallow manufacturers.
Fowls should always have their liberty day break, aud food should never be allowed to be about in profusiou. This rule applies to all descriptions of food. Supply liberally facilities for roosting in hen houscs or under cover ; the birds will choose their perches, and should not be drivcu in, or compelled to occupy certaiu quarters, never forgetting that a nure and sweepings of the hen housc and un der roosting sheds.-Turf, Field and Farm.

\section*{WILL IT PAY TO KEEP HENS}
C. Steward contributes the following to the Maine Farmer
A lady friend kept, in the year 1864, forty hens, realizing from the sales of cggs and poultry the sum of \(\$ 150\); in the year follow ng, 1865, she kept fifty hens, the sales of eggs and poultry amounting to \(\$ 155\). The sale of eggs alone amounted to \(\$ 125\). Again, in the year 1866 , from fifty-seven hens she sold \(\$ 150\) worth of eggs and poultry. The number of chickens raised was not over forty in each year, and I think not so many, with the exception of one year. These hens ran at large most of the year, and the garden connected with the house was not materially damaged, although but slightly protected. The account given above did not include the use of eggs and poultry in a small family. I think there
are but few flocks of hens that have shown a record like this, in the production of eggs and poultry, with not remarkebly high prices for the products sold. Allow me here to say that really believe a good flock of hens can be made to do cren better than this
I will now give you an account of what a sister of the writer did, in a small way. Living in the village it was not practicable, or at least not admissible, to keep many hens, as they ran at large and had access to the garden at all times, doing but little damage however. The number kept was three. Two of them were of a large breed; the other was part Bolton Gray, and was a small hen. The two large ones laid, one of them, one huudred and thirty, the other, one hundred and fifty eggs; the small one laid one hundred and ninety three. The time included was one year. rinter in and there did not lay pla ing the winter months. It would be well perhaps to speak of the cost of keeping a hen one year. As near as I can judge (without actual experiment) it will cost about \(\$ 1,25\) a year, where one has to buy all he gires them. If kept on a farm, it would be natural to suppose they could be kept mueh cheaper ; or at least if allowed to run at large a part of tbe season.
In regard to the different breeds, or the best breed to keep, there appears to be a good many conflicting opinions. Some prefer one breed, some another; some, a large and some, a small breed. I have kept at least a dozen different breeds within the last ten or fiftecn years. The breed I now keep I greatly prefer to any I have had heretofore, and will mention some of thei good qualities, They are a bardy breed, and are extra layers. Early hatched pullets will, with good care, lay early in the fill, and continue laying through the winter, providing they have good care, comfortable quarters and a plenty of the right kind of food. They are also good setters and excellent mothers. If they wish to sit, they are not bad to break up; bear confinement well; are superior for the table, and do not scratch nearly as bad as some breeds. I must say they are the most elegant of form and beautiful of plumage, of any of the hen speeies. I speak of the Game fowls shall keep no others unless I find a bette

An Intelligent Hen.-The Washington Ga.) Gazette has the following :
Danbury, March 28.-Mr. Editor: I warrant that I have got the most intclligent and peculiar fowl either in Wilkes or Lincoln counties. She is quite a large sized hen, between the common dunghill fowl and the Shanghai. My little daughter can take the hen upon her knees and pat her on the back and say "sing, Betsy " (for that is her name), and she will be gin to sing as requested. She will then say, "sing loud, Betsy," and she will then sing at the very top of her voice, which is very loud, for she has au excellent pair of lungs. She will say, "sing soft, Betey;" and she will chauge from the loud toue to a very soft one. And to cap the climax, in the way of obeying and pleasing the children, my little neiec put Betsy in a chair the other day, and began to pat her on the back, saying at the same time, "lay me an egg, Betsy." Betsy saug a very short, soft soug, and then stood up in the chair, and to the great delight of the children, there lay in the chair an egg. She will follow my wife all over the bouse, yard, aud garden, just like a pet dog, and will sing or not, as she directed to do.

Jas. W. Barksdale.
A Correspondent of the Waukesha Free man tells of a hen belonging to him which has mania for adopting the chickens of her neighbors, and in this way succeeded last Summe in bringing under her care and rearing sixteen chickens. Her course was, upon seeing a strange chicken, to run to it, brood it, then pet it with the daintiest morsels she could find; in this way sbe seldoun failed to win and fasten pon herself the affections of "any littlc fasten upon herself the affections of "any lit
dering chick that came in her way.

\title{

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C．W．and S．S．Foss，editors
SATURDAY，MAY 11， 1867.

TERRITORIAL ACQUISITIONS．
Twentry odd years ago we had a Congres Pricals who thought our territorial houn lirection of sundoan．They watar ath tion to our vegetalle and animal kingdom they desired more of the atmosphere that sur rounds the globe in the North＝west ；they de manded the sun to sline an hour or so longer eacb day，on this great Republic．Those mani fest lestiny gentlemen had no idea of changing tbe physical geography of this continent；they simply asked，in the settlenent of the North western houndary question，that we should have nossession of a portion of British Colum hia，istending to Fifty－four－forty North lati tude．If this demand was not acquiesced in they said fight－in brief，their political war－cry was＂Fifty－four－forty，or figlt．＂
The recent purchase of the Russian posses－ sions，running down on the Pacifie coast，from somewhere in the vicinity of the North pol to fifty－four－forty North latilude－a territory large enough for an empire－with a population of nearly a hurdred thousand Russians，Indi ans and Esquimaux，and a country producing harley，rye and various eseulents，timher minerals and valuable furred animals，besides salmon，herring，halibut and codfish in in exhauslible quantities，is not to he sneczed a even if a portion lies within the Arctic zone This acquisition will gratify＂manifest destiny＂ men in all parts of the nation；and the aban ment of this continent by Russia，simultane ously with the withdrawal of France fron Mexico，makes us helieve the area of freedon will be still further extended until
ill not he many years before Great Brit ain will sell，or be forced to relinquish to us her possessions north of the Columbia river then we shall lave all the eoast line from the Northern boundary of Mexico to Behring Straits－an immensc fishing ground for Brother Jonathan，whether he throws his fly for trout aud salmon or harpoons whales，seals or sca－ serpents．The Canadas will also drop into our hands in due time，like ripe fruit in mid Au － tumb．After that we must swallow Mexico－ a cathartic that will purge us a little，but will not harm us in the least．Luugh at us，reader， if you like；but these are prophetic facts，and they will be＂fixed facts＂hefore this Republic sees its two bundredth birthday．Look a bat we have done，in the way of annexation since 1787 －tbe period when the Constitutio
（a somewhat forgotten code！）was adopterl．

In 1803 we parchased Louisiana and the great Mississippi valley，of Franee，for \(\$ 15,000\) ， 000．Napoleon I．was short of cash at tha time，and so sold his American possessions， and with the fifteen millions equipped armies that overran Europe and won the Star of Aus－ terlitz．（Tbat was his business）．In 1819， Spain fult poor and sold us．Florida for \(\$ 3,000\) ， 000．It was the tail end of this continent then and is now；hut heing the land of song and romance，where Narvarz，Ponce de Leon and De Soto sought the fountain of youth，we bought it and got a real hargain．In 1845 we annexed Texas，a territory large enough for half a dozen States；and in 1854 we purelased Arizona from Mexico．So we go on，making territorial acquisitions one of the fundamental principles of Republicanism．We cannot stop annexing contiguous powers，even if we don＇t require them or want them．Destiny says we must go on and possess，people and develop this entire continent．

The Farm und Fireside in Mronthly Parts



\section*{CONTRIBUTIONS SOLICITED}

Tie Farm and Fireside is rapidly wiuning way to appreciation and success．In typo－ graphical appearance and press－work we aim to make it faultess，and can be justly proud in those respects；while the original and selected articles are brought under a careful surveil－ lance as regards their reliability，seasonablencss and nerit．
We feel grateful for the mamucr in which our friends have responded to our call for such or－ ：giual coutributions as come within the scope fi our journal ；yet we very much desire to in crease the resources and influence of the same， in this respect．In view of this we solicit or iginal contributions from all quarters．Surely very farmer has had something taught him by experience that would be acceptahte to us and useful to his fellow lahorers．
Tbe kind of articles we prefer above all otb ers，are those that are sbort，succinct，and to the point；embodying facts，detailing observa－ tions，narrating experiences，\＆c．Our journa is devoted to the interests of the farmer，and to him we look not only for pecuniary support， but for assistance in the way of weekly contri－ butions．Do not be deterred from doing so by a fear that you may betray a want of scbolar－ ship．We will with pleasure give the articles an acceptahle aud readahle shape．We hope our hy so doing they will afford us nuch pleasure， eultivate their powcrs of composition，and beu－ efit the husy，practical world in which they live and move．

\section*{trial of agricultural implements．}

AN exhibition and trial of farm implemeut commeneed on the Thi of May，at Utica，New York．This exhibution is under the auspices of the New York State Agricultural Society． What the result will bc，if the trial is honest and impartial，will be seen in the improved griculture of that State．If improved ploughs， harrows，seed－drills，mowing－maehines，reap－ ers and kindred inventious will do more
work in a given time，and do it better than work in a given time，and do it better than the old fashioned implements，then million tar exhibitions，or trials of agricultural iupte－ ments，sloould he held in every State．
The following are the premiums offered a the New York trial for plows．
A gold medal is offered by the Society for the best plow in each of the ten classes，as follows：1st．For a sod plow for stiff soils， 2d．A plow for stuhble land in stiff soils． \(3 d\) A sod plow for sandy soils and light loams 4th．A plow for stubble land，which will cut a furrow twelye inches deep，with three horses， which will raise the lowest soil to the surfaee of the furrow；for a plow which will turn a furrow of this kind，not less than five inches wide，the Society offers as a prize i：s large gold medal．－th．For a Michigan sod and trench plow．Gth．A subsoil plow，in conncction with an ordinary plow．ith．A ditel plow for opeuing drains．8th．\(A\) machine for exca－
vating ditches for under－draining． 9 th．\(A\) rating ditches for under－draining． 9 th．
stel plow for alluvial and uucturous lands． 10th． A swing or side hill plow．

Guisea Fowls．－A wise－acre contributes an article to the Country Gcntleman on the profit habits，\＆c．，of the Guinea fowl．Among other crude things，he says＂Guineas will never be cross and pugnacious if the eggs are hatched ander the Guinea hen．If the eggs are set un－ der a common hen the chicks will always he cross to other fortls，\＆c．＂This is first－clas onsense，as every ornithologist or fowl breed cr knows．We like Guinea fowls，but they are pugnacious from nature，and will quarrel with all poultry of timid character，If a common hen could hatch chickens from duck＇s eggs，or chicks from brick－bats，we might believe the contributor of the Country Gentleman－not he

Hespr may be sown at any time this month Use 4 to 6 pecks of heary，hright seed，for hroad－cast sowing．Be thorough in keeping
the grass down．

\section*{ORCHARD CULTURE}

Tur orchard should be just as nuch a sub ject for cultivation as any otler ；art of the farm．By cultivating an orchard，we do no mean the growing of crops iu it ；hut on th
contrary，the giving up of the soil exclusicdy to the trees，aud yearly top－dressing it with muck leaf－mold，and carbonaceons mattcr senerally To select a farorahle site，to thoroughly pre pare the soil，to purchase none but the best of trees，to plant them in the most careful and approved manner，together with pruning，train ing and low－branching，are necessaly rccuuis
ites；but the subsequent enriching of the soi ites；but the subsequent enriching of the soil
at intervals must not he neglected．Fruit tree draw their nourishment from the soil，and it is just as necessary to the perfection of fruit to keep up the supply of nourishing elements in the soil of the or
soil of the field．
In our estimation，the raising of field crop in the orchard is an absurb and injurions falla ey．No man likes to do doulle physical duty and to attempt to make a given acre yield crop of apples and a crop of corn or whea in the same year，whilst uot direcily in opposi tion to the law in physics that two things can－
not occupy the same space at the same time， is an attempt at something almost like it so far as the elements of plant－life are concerned．－ It will invariably be a failure，resulting in one or both of the crops falling short in quantity and quality．Why do we assiduously try to keep our strawherry heds free from weeds Because wo are afraid the rweeds will rob the
strawberries of the elements necessary to fruit perfection．Why then crop our orchards and look for a full yield of ripe，delicious apples It is folly to expect it．We have changed tbe directiou of the eliminative power．As well lumber of pedantry＂by taking out our hrains lumber ef pedantry＂
The trees are barked hy the plow or team； they are more liable to he blown over or to lean＂deviously．＂In order to get under the trees with the horses，they are trimmed＂up are high and exposed to the scorchirg rays of the sun，the sap hecomes heated and the fruit sickly．Apple trees should not he trained higb －the storms have less effect，the rays of the sun will not lay on the trunk，and the fruit will be fairer．Iu the month of August the apple makes its main growth．Then it is that it most needs that moisture and sap which the field crop is lavishly robbing it of．Your Bald－ winds and Newton Pippins arc both swall and dwarfish，and you woud
drooping and dropping．
We know that this matter of cropping orch ards is a mooted question；tbat while grain crops are generatly acknowledged to be injuri us，many consider root crops to he beneficial Prohably the reason the latter are bencficial is because they require so micch manure to
make them prontable．We would like to hea nake them profitable．We would like to hea ion，as our remarks have been made with tha iew as much as any other

Proteotion for Cherries．－A distinguishe ruit grower informs us how he keeps cherry ating birds from his trees．He has a number of small hird－boxes hung on the trunks or large limhs of lis cherry trees．These boses
re occupied，every season，hy the little wrens are occupied，every season，hy the little wrens， ooner does the cherry－bird，rohin or othe ruit－pilferer，come to the trces，than the wren offers them battle；and if not victorious，suc－ ceed in driving off the thieves
This protection，by the wren，may answe some sections of the Middle States，where it breeds．But in the New Eugland States they are not numerous enougb to stand guard ove the cherry orchards．Bclls，and scarc－crows， offer but slight proteetion from the hold，im－ pcrtinent fruit brigands．

The strikes in England have now extended to the farm hands，who are prohably the worst paid lahorers in Great Britain．
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Speahing of grape matters on Lake Eric Is ands，W．E．Sibley says in Rural New Yorker that the Winter has been quite favorable，and grape vinces were never in heter condition at fruitful year is geucrally expected．

Colobed Fiefit Plates－We return thanks to D．MI．Dewey，Rochester，New York，for a
variety of heautifully executed lithographs of ruit．That of the Vicar of Winkficld pear， and

Out 将an Trable．
The Poultry Book：comprising the breed－ ng and management of profitablc and orna mental poultry；their qualities and character
istics ；1）W．W．B．TeGETMEIEP，F．Z S．with colored illustrations hy Marrasow TF EIr，and numerons engraxings on wood．London and New Yoth：George Routledge © Sons．
The raising of poultry，as a hranch of rural conomy，has heen carried to great perfection in Europe．Crowned heads，and yentlemen of great wealth，have for many y cars devoted ic fowls：lieeping the distinctive brecds pure getting up national poultry exhibitions；as eertaining whicl kiuds are the most profitable as layers，or for market；and not overlooking the ormanental varieties whicb add mucb to he attractivcuess of rural homcs．
The volume before us is unquestionably the most magnificent hook on poultry ever pub－ lished．It is a royal 8 mo volume，splendidly printed and hound，with life－like illustrations （oil colors），hy IIarrison Weir，and is edited by Tegetmeicr，poultry editor of＂The Field，＂ publishct in Londou．An examination of the work fully satisfies us that the Editor has ac－ complished a＂labor of love；＂has produced an exhaustive treatise on gallinaceous hirds； ample in its details and of tbe most practical harur In addition to this，mauy eminent poultry producers of England luare contribnted valuable articles；together with a treatise on
the various discases of poultry．Mthongl we are indebted to Eugland for this valuable book， it is none the tess applicalle in this country； from which we can learn a vast store of poultry information．It is far in advance，in ahility and illustration，of all its predecessors．Price s？，－well worth the money．Sec advertise

Gheat Expeotatrons：By Chartes Dickens， with twenty－seven full page illustrations from
original designs by John McLenan．Philadel phia ：T．B．Peterson \＆Brothers．
This is the fourth volume of the autbor＇s American edition，and reflects credit on the pullishers，who generously paid Mr．Dickens for advauce proof shects of his works．Per－
sons desiring a ncat，handsome collection of Boz，should purchase this edition．Price \(\$ 1.2 \overline{5}\) ．

\section*{COMMISSION TO LOCAL AGENTS}



部路
Fhe Fireside 解use．

\section*{THE BROOK．}

The hrobliet dancing through
With willows hending over， With willows hending over，
Has blessings for the sons of men， \(A\) hoon for erery lover His tenderest canzonoetta； Here madeens comene such：lore The dusty lad in tattered frock，
The rough and sturdf farmen
 Have here an equal charmer．
The frollc boss trom school and mis The gay and ross misses， nrink health and pleasure The riole on the mossy brin： Repaby tivebirs osin in the sazeetsts，the drink And oh！forgiving ereery slight Of wretched souls who leave The whiteness of the simple son
She welcomes and enhances， And shames the votaries of the
With pure，invitine glances． With pure，invitidg glances． The rint urn of the Naiads； And life shall take as fresh a ioo

\section*{Tiresinte tate}

THE BLIND SINGER OF THE CATHEDRAL
by f．h．Stauffer．
A stranger stood within the cathedral Rheims．He was leaning against a pillar，per－ fectly motionless except occasionally drawing a glove，which he held in one hand，idly through the other．His attitude was expres sire of graeefulness，and his face was calcu－ lated to make one turn and look at it again eveu in casually meeting him on the street．I was a youthful face，and to a certain degree childish；and yet there was something ahou the thin lips expressive of will and energy His forehead was high and white，gleaming out from a mass of raven hair，his eyes were dark，bedewed with a sort of languor ；such cyes as always speak the trath，and deepen into a warmer glow when they meet your own． Though richly dressed，there was nothing of the fop about him．He wore no jewelry he yond the small diamond ring that shene upon the ungloved hand．
His eye was drinking in the scene around him．The paintings，the woris of the famous artists of the olden time－the massive doric pillars，the riehly frescoed eeiling，the tessel ated aisles，the narrow pews of polished wal nut，the pulpit of porphyry，ornamented with Latin inseriptions and eherrb faces－the win－ dows of stained glass，the somber organ with its high fluted front；as he calmly surveyed these，aad felt the holy presence that filled the place，a beautiful placidness rcsted npon his features，and more than one girlish face wa turned at furtive moments towards his．
The cererrony was drawing to a close，and the deep，solemn tones of the organ floated through the ehurch．It was a master hand that touched the keys．Mnsic seemed to as sume personification in that dim old room． Now the tones were loud，reverberating－then low，soft，flute－like－and ever and anon ehang iug from allegro to andante，in whieh the im prorised incrotn
ing than either．
that which was superb－and yet it was no that which made him hend his head more at tentively，and a hrighter light to irradiate his
face It was the soprano voice in the choir face．It was the soprano voice in the choir that was touehing bis heart with its exquisite sweetucss．He seemed to held his breath lest the smallest intonation should be lost．And a clear，distinct，melodious voice it was．Oth－ ers had listened to its witchery，and had felt their worship touched by a better inspiration．
It rose and fell in a sort of ensy voluptuous ncss．When it trembled，it was the tremor or pathos，aud when it changed to a rigidness，it
as the assurance，the positiveness of faith The young man looked up at the choir，and among the array of heauty there，his keen eye detected the singer．Her face was upturned， her eyes were closed，and the light from the window overhead seemed to change into spiritual radiance as it fell around her．
After the closing of the ceremony，the young man waited at the foot of the narrow stairs leading from the gallery．The singer was leaning upon her
were still elosed．
She racas blind
The young man startled at first wheu this fact dawned upon his mind，hut as he took another glance at that sweet face，his heart went ont toward her with yet a warmer glow It was an oral face，and spiritually fair the skin was almost transparent，and the velve lips were tinged with vermillion．Her form Was well developed，every motionexpressive of grace，and the beauty of her attire consisted in its simplicity alone；almost any other fabric or arrangement wonld have been at antago nism with that trusting，clild－like faee．Her dress was of plain calico，unadorncd by jew elry，while a slaawl of a sort of nentral tint wa thrown negligently over her shoulders，partly concealing her full ripe hust，and covering but to the elbow the plump，snowy arm that rested within her father＇s．

Ernest Hareourt，the young stranger，was seated beside the hlind singer of the eathedral． One arm was thrown confilingly around his neck，while the face upturned to his wa lightened with the new life that had been horn in her soul．They were in an artist＇ studio，and a face，a very prototype of the hlind girl＇s，that＂ested against the eascl，told the story of hours of such communions．

Miriann，my beloved！＂spoke the young man，＂you must be my wife．You must come to my home．
＂And my father，Ernest？O：I cannot ＂ave him！＂
He shall come too．My home shall be ＂our home and his．＂
＂Ernest，I know I love you．I cannot see rour face；I cannot see your eye kindle when ou speak；but I can hear your voice and feel our warin caress．There is，too，a spiritual essence ahout you that draws me toward you and that tells my instinct，and assures my rea－ son，that you are all that is noble and true． But，think of it，Ernest！I－hut a poor，igno rant blind girl－a very child！

For this do I love you ahove anght else Yon are not ignorant．I have sat at your fee for hours，a quiet，listening pupil．You have
revealed to me how beantiful I can make my revealed to me how beantiful I can make my
ife．You hare turned my aspirations toward all that is nohle and grand．Floating idly on the sea of life，a reckless，aimless voyager，did rou not come to me and direct me into the heaten channel－becoming to me compass， chart and guide？Yon are hlind！Should I not loxe you all the more for that？Let \(m y\) cyes be your eyes．I will he sight unto you，
the same as you have been spiritual sight unto the．＂
＂But your family，Ernest．What will your sister say when yon hring home a fragile ＂Mind，portionless girl？
My sister Ella is a roman，Miriam－kind， loving．appreciating－－snbject to delicious trans ports，happy in her organism，and a dreamer of beautiful dreams．Had you not one re－ sake alone．

Ella，this is my wife！＂
This was all Ernest Harcourt said．The driver was nnstrapping the trunks from the boot，and was placing them on the graveled walk．Erucst was stauding on the verandah， with his beautiful wife leaning on his arm．
＂Welcome home，my sister．I can speak those words with a willing heart to any bride my dear brother would hring to his home．＂
＇Thank you，thank you，Ella；and hefore many days you shall say it for \(m y\) sake． 0 ！ how kind and sweet your voice is！I wish I

It was a touchiug sight to see those two women weeping in each other＇s arms，just f that friendship had heen a friendship many years．Ella＇s face was heautiful，hut different style from Miriam＇s．It was full o reshness，and verging as close upon boldness as any face dare verge and yet be thoroughly eminine．It was an intellectual face，classic nd prominent in its outline，with tempting ips，hlack eyes，and hair dark and luxuriant，a exation to the white fingers that daily es sayed to bring it into a semblance of staid ness．

And Ella did learn to love that sweet girl fo erself alone．She was so kind，so beautiful， o trusting！Ella grew better from her com panionship；and Miriam guided her in just the same quiet way，seemingly passive and yet positive withal，that she guided Ernest．
The latter was very happy；his aristocratic friends wondered at his choicc，hut that was nothing to him．He loved his wife，and the warm，gushing manner in whieh she recipro cated it，was more than life to him．
Oftcn，in the stili Summer evenings，her oice would steal out on the ain＇，echoing in the groves and floating amoug the shruhhery with more witchery than it did along the frescoed dome of the cathedral at Rheims．

Again Ernest Harcourt stood on the veran dah，while the stage described a half circle in ront of the door．He had heen absent for a month，and his sister Ella again met him at the door．There was something very warm in her greeting，and her eyes twinkled with more than common meaning．
＂How is Miriam ？＂he asked．
＂Quite well．She is waiting for you in the rlor．
She led the way into the room．Miriain was sitting on the sofa．The lashes of those closed lids were lying like a shadow upon her fair cheek，Ernest came up to her and took her

Well，＂he said，kindly，＂how is my little ＂ind wife？＂

Very glad to see her dear husband！＂
He started at the significance of the words－ hut more so when a pair of sweet hrown eyes flashed their radiancy into his face．They were welling in liquid light－on fire with a reshness come to them after years of dull， heary darkness．
＂Miriam，Miriam，how is this？＂
Ernest knelt at her feet；he took her joy fully in his arms and covered her cheeks and ips with kisses．

All I know is，＇that whereas I was hlind， I now see．＇
＂Blessed be God for this！＂cried Ernest．
＂Miriam＇s blindness was hrought upon her hrough sickness，when she was ahout seven years old，＂said Ella．＂When I hecame aware of this，I consulted Dr．M－ hrated optician．He examined her eyes and said that be could restore her sight，and he has done so．＂
＂Ernest，do you love me more now？＂
Miriam took his hand and looked up into his face．

No，not more－hut I am so happy－ happy for your sake，Diriam．＂

\section*{湖iscellany}

\section*{A VISIT to sprague＇s stables and ra
CING COURSE．}

A Correspondent of the Turf，Field and Farm thus descrihes Amasa Sprague＇s establish－ ment and stock at Cranston，Rhode Island：－

His place is beautifully situated ahout fou miles from Providcnce，in the town of Crans ton，and of easy access hy horse cars．I first visited the barn，which is the handsomest and most perfect edifice of the kind it has ever heen my luck to see；it is huilt entirely of hrick，and has everything that can be though of for the comfort and care of the nohle horses it contains．It is finished off inside principally with oak，though some of the wood is grained
some，commodious，well lighted and ventilated； in fact there is nothing that could he improved hout them to my eyc．Now we come to the rotters，and at the head of them stands the tallion Dan Rice，than whom a nobler looking horse never stood on tour feet．He is a large hrown horse，very handsome and very fast，as all your readers must know．He weighs a this time in the neighborhood of 1400 lhs ．， and when in condition last Fall，after the trot ting season was over，he weighed 1150 lbs ． Next I was introduced to Shiptimher，a large， handsome and powerful hay horse，hy Rysdyk＇s Hamhletonian，and one，I think，that will do honor to the nohle horse from whom he de scends．Then there was a very large，power ful gray mare，whose name I forget，but i matters little，as she will make it known her self betore Fall．I did not inquire her sire hut she shows the Messenger blood enough to prove that it has not degenerated in her．Nex I was shown a fine looking chestnut mare named Cranston Girl，four years old，out of Gco．M．Patchen and a fine Morgan mare， raised by Mr．S．；she shows power and wil douhtless make herself known．The next one was a handsome sorrel，called Morning．Star hy Andrew Jackson，four white feet，a very arge，powerful horse，and I an inclined to thiuk a hot one to come across．

From the private stables of Mr．S．I went to ee those where he keeps his work horses，of which he has some 175，all ranging from 13 to \(14,000 \mathrm{lbs}\) ，on an average，and I think the cau not be equalled as a class by any lot o horses of the kind，hclonging to any estahlish ment or city．There are ten matched teams， from four to six horses each，and they must he seen to be realized．

Then there are cattle stahles，with as fine a ot of cattle as you hat seldom see－hog pens， \(\& c\) ．From thence we visited the engine house， where Mr．S．has two very fine steam engines， so that in case of fire everythiug is at hand the honse is as perfectily arranged as that of any of the city fire departments，and every thing is at readiness for a call at day or night． From thence we drove over to the track．I can hardly find words sufficient to express what I think of the track．In general，it is the most perfect one of the kind that has heen， and I think ever will he made in this country It is all enclosed by a handsome hoard fence painted slate color．The track is a mile around and is to he as perfect as art can make it；the home stretch is magnificent and the bends per－ fect，and I think any horse，no matter how gaited，that can＇ttrot fast here，can＇t trot at all． It is an exact mile，neither an inch too long nor too sholt，so that there cau never he any complaint made in that way．Of the build ings on the track，I will only say they are un equalled．The grand stand is a model of archi－ tecture，heing some 350 feet long，all corered with a haudsome slated roof，and capable of seating some 5000 persons．In the rear of the seats are the iadies and gents＇rooms，compris－ ing dressing rooms，water closets，\＆c．，all to he fitted up with the very finest of modern im provements，and nnderneath，extending th whole length of the building，is the dining lall，cook rooms，etc．，which wil be fitted up in a style of unrivalled magnificence．Ahove the main building rises a sort of tower，wher will he the club rooms－all in a style hereto－ fore unthought of in this or，I think，any othe country．The other huildings now erected are three stahles，of handsome and commod ous construction；also，two sheds，exactly re rembling them in outside appearance，to drive into．I can only say，in addition，that this is destined to be the most perfcct track in the country．

A Frenciman has invented a new stoppe or champagne hottles，the intention being to nable a glass of champagne to he drawn from hottle without injury to what remains in th bothe．

The lumber，turpentine and rosin trade of ensacola，Fla．，is worth \(3,000,000\) per annum， nd a new railway connection promises to in and a new railway

\section*{}

\section*{imagination.}

An English farmer beeame possessed with the idea that he bad the rinderpest. His fam. ily doetor tried to langh him ont of it; this only served to eonfirm his vagary; he then eonsulted an old physieian of considerable ex-
perienee in human naturc as well as in mediperience in human nature as well as in medi-
einc. Thic plyysieian made many inquiries of his patient, entered fully into the ease, and at length sent him to an apothecary witb a sealed preseription, whieh the mat of the pestle and mortar read to the astounded patient. "This man has got the eattle plague ; take him into the baek-yard, and shoot him on the spot, aecording to the aet of Parliament." This bronght tbe soft-headed farmer to his senses, and he was quite well in a moment.
Illness is sometimes imagiuary, but in such eases it does no good to deride or scold; so it is sometimes with what is ealled nervousness ; it is useless to make light of it; the feeling of suffering is the same as if it were real, and in sneh cases sympathy is oftentimes a more efficient remedy than derision or impatient epithet. "Bear ye one another's burdens" is wits of plysicians are often ealled into requiwits of plysilians are often ealled into requi-
sition, and impromptu remedies are sometimes as efficacious as they are amnsing. A titled lady onee beeame possessed with the idea that a mouse had ran down her throat wbile she was sleeping with her mouth open. Her physieian seeing at once how matters stood, advised her to call next day ; meanwhile, be produced a mouse, and arranged it in his eoat sleeve so as to be made proper nse of at the desired moment. With a great show of preparation, he adjusted an instrument to distend the mouth, and placed a small mirror in a
sitnation as if to reflect the imare of what sitnation as if to refliect the image of what might be scen. "Hold on, be steady, I fce dneed an imnoeent little mouse, gingerly held dneed an innocent little mouse, gingery held
between thumb and finger by its eandal exbetwecn thumb and finger by its eandal ex-
tremity, to the infinite gratifieation of his titled patient, who, plaeing a magnifieent fee in the doetor's hand, withdrew with a moun-tain-weight removed from her mind, whieh otherwise might have ernshed it.
A rieh old toper imagined that a bottle was attaelied to his nose, and that if it were broken, it wonld let all the blood out of his body"; henee his whole time was spent in guarding his nasal appendage from harm. A rough surgeon of great eminenee was consulted.
"Go to Jerieho with yon," and with an appropriate attion, smashed a botlle into a thonsand pieees: "there's the bottle, bnt you see it had no blood in it." The patient's whins were hnmored, and the mind saved. But it is nseful to observe, that it is only those who have nothing to do, persons of elegant leisure, who are crrsed with these imaginary evils,
Blessed is the ordinanee that man should tive Blessed is the ordinanee that man should tive by the sweat of his brow.

Tie Ranisg Tree.-The Island of Fierro is one of the largest in the Canary group, and
it has reeeired its name on aceount of its iron bound soil, through whieh no river or streams How. It has also bnt very few wells, and these not very good. But the great Preserver and Snstainer of all, remedies this ineonvenience iu a way so extraordinary that He gives in this
an nudeniable demonstration of His wonderfnl goodness. In the midst of the island there grows a tree, the leaves of which are long and narrow, and continue in constant verdure Winter and Snmmer, and the branehes are eovered with a eloud whieh is never dispelled, bnt resolving itself into a moisture, canses to fall from its leares a very elear water, in such abundanee that cistcrns placed at its foot to reecive
it are never empty. it are never emptr.

We have reeeired a eopy of the "Transaetions of the Rhode Island Socicty for the Enbe, \({ }^{r}\), 1866. It embraees valuable reports and in stieal tables of more than ordinary inter-

Eloquent Passage.-The fincst thing Gco. D. Prentiee crer wrote is this inimitable passage: "It eannot be that earth is man's only abiding place. It eannot be that our life is a bubble east up by the oeean of clernity to hothingness. Else, why is it the simk and glorious aspirations which leap like angels glorious aspirations which ceap like angels
from the temple of our hearts, are forever wandering musatisfied? Why is it that the rainbow and cloud eome over tis with a beanty that is not of earth, and then pass off to leave us to muse on their loveliness? Why is it hat the stars whieb hold their festival aromnd the midnigbt throne, are set above the grasp o their unapproaelable glory? And finally, why is it that the bright forms of human beauty are presented to our view and taken from ns, leaving the thousand streams of ont affection to flow back in an Alpine torrent apon our hearts? We are born for a highe where the row ere the wher stars will be spread out betore us like the islands that slumber on the oeean, and wbere the beautiful beings which pass before us like shadows, will stay forever in our presence."

Tifr Ronan Ben-Time.-An inmense ma ority of men in Rome never lighted a candle, unless sometimes at early dawa. And the enston of Rome was the custom also of all nations that lived aronnd the great pond of the Mediterranean. In Athens, Egypt, Palestine, Asia Minor, everywhere the ancients went to bed, like good boys, from seven to nine o'
cloek. The Turks and other people, who snceceded in the stations and the habits of the aneients, do so at this day. The Romans, therefore, wbo saw no joke in sitting round a table in the dark, went off to bed as the dark eess began. Everybody did so. Old Numa in the dark. Targninins mightit be a very superb fellow; but we donbt whether he eve stw a farthing rush light. And though it may be thonght that plots and conspiracies would
flonrish in sneh a city of darkness, it is to be flonrish in sneh a city of darkness, it is to be
considered that the conspirators themselves had no more eandles than honest men; both parties were in the dark.

Pennsylvania Agrictltural College.Frederiek Watts, of Carlisle ; H. N. MeCalliser, of Bellefonte; James Miles, of Girard, Eric county ; John Frazier, of the Agricultural College, and Daniel Kane, of Uniontown, have been appointed a committee to establish the three experimental and model farms anthorized by the reeent Aet of Assembly. They will meet at the Agrienltural College on the 15 th inst. Tbe farms are to contain one handred aercs, and be located in different parts of the State. The committee invite proposals of the terms npon whieh sueh farns will be conveyed to the institution for the purpose inenioned.

Or.d Tieers. - There are trees in England that are computed to be about two thonsand years oid. The Totworth Chestnut is said to be not less than eleven hundred years old. In the time of King John, who reigned more tban seven hundred years ago, this tree was spoken of as the oll clestnut.

Tne peach-growers of Delaware and Mary land, as well as of New Jersey, antieipate fnll erops, and the shippers of peaehes to the New
York market have inade arrangements with the railroad companies to send screnty-five cars of peaches daily dnring the season.

The Agrieultural Department is in rceeipt of information from all sections of the country, that the wbeat crop this season will be the finest prodneed in this eountry for many years

\section*{TERMS OF ADVERTISING.}

FABXASD Fizzailon. Price, offeen cents a line each Inser-
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Fre warluets.
WOONSOCKET RETAIL MARKET


\section*{brighton cattle market.}





 WEEKLY REVIEW OF THE NEW YORB
WHOLESALE MARKET.









\section*{BOSTON SALE OF STOCES.-Map 8.}


Great American Tea Company.
the immense profits








Cherrful Persons.-God bless the ebeerful person, man, woman, or ehild, old or young, illiteratc or educated, bandsome or homely. What the snn is to natnre-what God is to the strieken heart wbiel knows how to lean on Hin, are ehecrful persons in the house and hy the wayside. They go We lore to sit near them; we love the glanee of their eve, the tone of their voiee; the little children find them out ons beaming fron their faces. erowd, and passing by the knitted brow and compressed lip, glide near and lay a coufiding little hand on their knee, and lift their elear, roung eycs to their eonfiding faces.

Fre thatseberper.

\section*{butter.}

\section*{Written for the Farm and Fireside}

We knew oue dairyman living within forty miles of Philadelphia, who sells all his butter in town, averaging, at a guess, one huadred pounds per week the year ronnd, always disposing of his soock as fast as he can pass it out to customers, at an adrauce of five to ten cents per pound above current market rates; simply becanse purchasers prefer paying cxtra prices for a superior article, to buying ordinary grease at any price. If that same dairyman were to increase his stock to one thousaud, instead of oue huudreà pounds per week, maintaining the quality at his present standard, he would dispose of it just as readily, only course the larger quantity would require longer time in dealing it out.

Now as there are at a noderate calculation, within the limits of the five comnties next nearest neighbors to the city, two thousand fanilies who make hutter for market, averaging say thirty ponnds per dairy, if all of these would but exercise the will to make butter pretty uearly as good as that from the dairy of our model Montgomery County "Country Gentleuan,"-they can do it by pursuing the same practice, and its achievement will cost no more, pound for ponnd, than it cloes to make "grease." There would be a handsome butter milleuuium there would be iu Philadelphia.

As we know, from enongh instances iu every one of the counties named, to establish the fact beyoud all dispute, that just as good butter can be macte in all the "region round about" Philadelphia as was ever produced in Orange, or any other county anywhere in this world, what is to hinder all other dairy men and women our way from following the lead, and making Pennsylvania East the hntter peer of the "Land of Goshen!" Nothing but the annbition and determination to do so. Our pastures are as rich as those of the Empire, or any other State. Our dairy stock is equal to the average elserrhere, the yield of milk as large, the material as rich in butter elcments, and unquestionably there is quite as much intelligence anong our dairy men and women as can be found quong butter makers anywhere else.
What then, it will be asked, is the reason so large a proportion of the butter made in the
near neighborhood, and marketed in Philadelphia, is of so inferior a quality? Let ns tell the whole truth in reply, and detcrmine to do better.
"Don't care"-is the mother of inischief in hutter making. No sloven, ever did or will make a pouud of good butter. The arbitrary requisites of first class butter are alrvays, first-good cows. Then scrupulous cleanliness in every thing from milk pail to market tuh-a cleau, cool place for milk-pans bright, sweet, cleau, and large euough, so that with six quarts of milk in one, the depth will not exceed four inches. Cream does not rise
readily from a great depth. Skim alevays be readily from a great depth. Sixim always be-
fore the milk gets sour and coagulated; skin as cleau as possibly, and as clear from milk. Never pour warm water into the churn to make the hutter come quiek. It makes grease come first. Work the butter by hand and paddle. All butter workers so far, only break up the "grain" and make salve. Some salt butter to sell salt. That is a mistake. Nost people imaginc that hutter is salted to save it. That is a greater mistake. Butter worked until free from hatter milk will keep always as well without salt as with it. The little salt usually put into butter is not a fifth part sufficient to save it. The office of salt is only to flavor butter. So don't make it half salt. It wou't sell well so high seasonerl. A dessert spoonful to a ponnd is plenty. Work the butter over first in small lots, say five pounds. You cannot get the butter milk out of larger batches. Second working, clip, spat, han
and paddle, in pound lumps. Never wash bntter. You will wash ten times more worthlessness into than you wash out. Only wet
the hand and paddle in clean water, to prevent sticking.
Observe these rules strictly, and every body can make good butter just as easily as had, and just as cheaply, and obtain the ten to twenty ceuts per pound more that really good butter will always readily bring than strong salvy grease. The inducement onght to be sufficient to hring out a great deal more good hutter.
AKay, 1867.
How to Corn Shan, - As there is no greater relish for breakfast than a corned shad, we give the following method of corning them
The shad should be first cleaned and then thrown into a strong brine, where they should remain about three hours. They should then he taken out and packed in salt, with one ounce of saltpetre to ahout ten pounds of salt.

Disinfeoting Agents.-Either of the following will answer the purpose, while they cost but a trifle:

One pint of the liqnor of chloride of zinc, in one pail of water, and one pound of charcoal of lime in another pail of water. This is, perhaps, the most effective of anything that can be nsed, and when thrown npon decayed vegetable matter of any description, will ef fectually destroy all offensive odor
2. Three or four ponnds of sulphate of iron (copperas) dissolved in a pailful of water will, in many cases, be sufficient to remove all of fensive odors.

Chloride of lime is better to scatter about damp places, in fards, in damp cellars, and upon heaps of filth.

Beef Cakes.-Take the best sirloin of beef, one pound; boil it nntil soft; boil also a bee longue until soft. Take one ponnd of tongue, chop it and the sirloin very fine, with quarter of a pound of suet, and a quarter of a pound of raisins. After you have made them as fine as you can, add pepper and salt to taste, also one teaspoonful of cloves, one teaspoonful of allspice, one onion chopped fine, one tablespoonful of flour. Mix all well together, form into cakes, and fry in butter.

\section*{酔iscellany.}

Large Root Crops. - We notice in the Report of the Massachnsetts Horticultural Society, hat the farm connected with the Deer Island House of Industry raised extraordinary root crops. An acre in mangolds produced 73 tons by esti, carefully weighed, and 5 tons in thps atoes inte. This acre was planted with and with mangolds in 1866. The manure, each previous year, had been 20 cords of compost of sea kelp and stable manure. In the Fall of 1865 , it was heavily coated with sea weed (Laminaria) and the weed plowed in and re-plowed in the Spring of 1866. The seed was sown in drills 30 inches apart. Mr. Paysou, the manager of the farm, estimates the valne of mangolds as equal to sugar beets, and the yield as one-third greater. The rotation and the adaptation of marine manures to mangolds, are noticeable points in this state ment. On the same farm and with similar treatment, 29 tons of carrots were grown to the acre. Our shore farmers who neglect seaweeds and
privileges.

Firing Guns by Eleotrioity.-The wellknowu method of firing gunpowder with a platinum wire made red hot hy a galvanic cnrrent has heen applied to gnns in France. The only novelty heing in carrying two small elec tric hatteries in the stock, the two connccting wires of which emerge near the breech, and are so arranged as to be connected when a

Aurarising Wepartment.
Rhode Island.
W.
mean's patent conical plows, Share's horse hoes, woon's and wight's plows, garden barrows,
chase's two horse potatoe niggers, store trucks,
improven hingen harrows, cultivators,
And Wholesale Dealers in

And Agents for fren's, Union and Pere mowing machines,
\(\qquad\)
the marke Prices low and Terma Cas oryiob, 32 Canal street,
March 23, 1867.
W.
\begin{tabular}{|c|c|}
\hline & Now offer at the lowrst oash priors, \\
\hline \multicolumn{2}{|l|}{2000 Sacks Prime Red Top.} \\
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\hline 100 & Landon Hort. and Concord Pole Beans. \\
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\section*{\(B^{y}\) Mail, prepain.}

CHOICE FLOWER AND GARDEN SEERS,

\section*{}

\section*{Pennsyluania.}
\(\mathrm{R}^{\text {HODES' SUPER. PHOSPHATE. }}\)
ror Sormize

\section*{every description of crops.}

\section*{April 13, 1867.}




L








\section*{Hassachusetts.}

Crodins buss \& co


\section*{}
fully up to the standarn, in qUaLity

\section*{ad is in fine condition for drilling}
- Farmers, when purchasing, would do well to get the yarnall \(\&\) trimble,

Marce 23,1887
\(\left.\begin{array}{l}\text { 118 Soulh Wharree, } \\ 419 \text { Penn. Street }\end{array}\right\}\) Philanelpitia.
\(\xrightarrow{\text { Marco } 23,186}\)
new 素ark.
J. hickling \& cos




Tuis is a very graceful weeping lawn tree, with broader foliage than tbe common weeping willow; and, like the lareh, is obtained by budding or grafting on a stock of the requisite beigbt and proportions. Budding is the mode of propagation geuerally adopled-the strong growing Goat Willow, suitably trained, being the stock generally cmployed. Many inesperienced budders fail to succeed at first in budding the Willows.
This variety, like the Larch, was introduced from Scotland; the nalue of the locality is familiar to all almirers of the great Scotish poet, as the place where a much drcaded personification was once seen. We trust the graceful "Kilmarnock Willow" will not harrow up any sucb form to the fertile imagination. These trees aretermed deciduous; that is, they drop their leaves in the Autumn; but are, nevertheless (wben well managed), grucclul ormamental trees for the lawn and landscape.

\section*{AULIFLOWERS-THEIR CULTURE}

Bot few of our rural agriculturists are aware the excellence and value of this delicions vegetable, aud fewer still altempt its culture; and many wbo make the altempt do not succeed from some canse or other. There ar none of the Brassica tribe of vegetables which
are superior, if equal in delicacy, to this vege are superior, it equal in delicacy, to this vege-
table. Of the same family as Broccoli and Cabbage, it requires nearly the same culture. As it is not so generally known as most of our garden vegetables, and its culture not as geue rally successful, I propose to give some geueral rules for culture, preservation, \&cc.
To begin with, good seed is the first requisite; for if the seed is not from good stock no after culture can compensate for the fault, or give satisfactory results. Where this crop is grown for market it is generally grown as a first crop, to be ready for marketing in June or July; for a garden crop it is generally planted later. As a first or early crop, the seed sbould be sown in the Fall, and the plauts wintered
in a cold frame; or be started in a hot bed or
forcing house in Janaury or February, and the plants picked out into boxes or the the soil o another hot bed, two or three inches apart, and gradually hardened off, till the weathe becomes such as to be salie to plant iu the oper ground; the plants being so nearly hardy, i degrees of frost without injury, aud hittle danger is apprehended in transplantiug in this latitude the hast of April or early in May-turther Sonllh carlier. It is necessary to have the plants become well cistablishch and firmly roothead or flower well. If not thus treated, they will ueed copions and frequent watering, as moisture is essential to their well doing. The many fuilures arise mainly from a non-eom pliauce with the toregring fuygestiou. A late crop may howeser be grown, but with less certainy, by sowing the seud in the open ground during May, aud iransplantiug in July often, however, the hot, dry weather ot Au ust and September canses a failure, or a par tial one, unless mems for intigation are had and nsel.
possible state of fertility to produce the best results. Thus lar I proceed in frst sowing the seed for an early crop; the treatment for a late crop being similar in all respects, excep treatment of the plants, which I will not no tice further at present. Between the first and third week in September, the Fall previous to planting, sow the seed in well prepared beds in drills 8 to 10 inches apart aud one-half t one inch apart in the drills: in the course on four or five weeks tbe plants will be ready to transplaut into cold frames, two or three incles. apart, where they are to remain during Winter. They will need a little more care in protection than lettuce or cabbage planls, thus wiutered, If this trouble is not agrecable, they may be started in a ho bed or foreing house in Junuary or February and hardeued off, as above mentioued.
Planting, de.-As soom as the soil and weath er will admit, without iudicating more than ten or fifteen degrees of frost to tollow, prepare the ground by heavy manuring, aud well rotted mauure will answer, thorough deep plow off the rows and pulls aecording to the growth of the variety-some kinds require to be plant ed 1 ; by 24 , white others require 18 by 30
inches of space. Truusplant in evcry way as you would a eabluge, using eare to do the work thoroughly. well. The more fiequently they are hoed and the ground stirred the better they will head; therefore do not spare using the hoe among them. The carly crop will be ready for market in July, or earlier, and requires very eareful handling in gathering and marketing. The surplus loose leaves should be pulled oil, and if the plants are carefully packed in boxes, they are much more safely and easily marketed, where it is designed to market the crop. The Winter crop for family use should be stored in the eellar, by setting the roots in fresh earth or soil, where some times, if not lully developed, they will perfect growth; but the rule is only in the exception however, they keep much fresher and bette with the roots iu fresh soil or earth, than other-

A
A hall an ace or so will be found to be very remuncrative crop, when successfull grown early, in the vicinity of narkct, and
marketed: as soon to 6000 plants may be grown on half an acre, and they will sell for
 be sors, which you will tind described in the descriptive seed catalogues of seed dealers, are Enly Erlurt and Early Paris; hor suecessio crop, Wellington, and periaps others. I name these as tiue most geueral for market crops As the plants come to maturity, and are obliged to be harrested acar together, it is better to have difiterent varieties ripening in succession. Unless harvested as soon as the heads are tully developed they are very liable to run up to seed, and thus their value as a table vegetable destroyed.

\section*{. FII \(_{1 / 2}\) Iiverdate Firrin, May, 1867}

Ir is reported that in some seetions of New ork state the peach blossoms have been so badly frozen by the cold wea: her as to cause them to fall from the trees.

\section*{bUCKS COUNTY FOWIS.}
cibig binhle, esq., mimadet.pina
Tue chickens which pass under this designaion are not a distinct breed. For many years inity of Philadelphia to supply the market with large and fine poultry. To do this, they yot confined themselves to any one breed. by persisting, year after year, in retaining the est and best fowls to breed from, they have enerally been successful in baving a good stock. When they wish to chauge it, they oband thus obviate the danger of too close breeding. The fowls are all mongrels, and consequently their qualities are very dissimilar: ome are great laycrs-some good sitters and arelul mothers, and in a large stoch this is ather desirable, as each one is allowed to do What it is most fitted for
It bas been said that many years ago the large "Malay chicken" was introduecd into Bucks county, and by being crossed with the orlinary fowls ot the locality, thase large hickens originated. This may, or may not be 0 ; but the main reason of their continued rood qualities arises from breeding only from the finest specimens
Persous, tbercfore, who get a large puir of chickens from Bucks county, expecting to aise froul them a breed of chickens with any rell marked peculiarities, will be likely to be mistaken. The variety must be kept up by nstant selections from the finest specimens
Americana generally have no lancy for pure breeds of auything. Whether this arises from the fact that the people themsclves are a cross fall nations, I will not pretend to say; but the first idea they have in connection with any animal is to improve it-that is, to eross it with difficult to get anything, from a lorse to chicken, that can be relied on to be thorough bred, as in our country. It requires great care and great skill to keep up a stock of anything in its entire purity, and with the best disposion to do so, many people ale discouraged by he tronble of it. In chickens, if you have a Many breeders let all their fowls go together, exept in the Spriug of the year, when the breeding season approaches: they are then sparated and their pregeny courvented pure This simplifies the matter a great cleal; but rant, 1 ver mult sone

\section*{M"и, 186,}

Peat-Gas - At the Troy Gas Works, New Tork, the experiment of substituting peat tor with success. Onc bundredand fifteen pounds of dried peat, taken from a bed not more than hree feet below the surface, yielded seven hundred and eighty-four fect of gas, or five and eighty onc-hundredths of gas to the pound, while from the best coal used at the works the yield of gas does not exceed four Thet and forty-one-hundredths to the pound. The cost of peat is much less per ton than that of the coal usually employed
Feedng Fowls. - There is uothing gained by teednyr your laying hens as though you were fattening them for market. Fspecially will this remark apply while they are running out. This thing of over-eatine is hurtful to anything that cats. It is natural for a forl to be on the look-out the most of should not be fed less than three times per day. I find if I over-feed fowts, they go off in some corner aud sit down and ehill, if the weather is cold whereas, had I given them half as mueh, they would continue moving round, feeling well, and seemingly getting that exercise that their nature requires, by keeping their blood in healthy circulation. By this means the hens are better off, and a great per centage of eggs saved. -Seacer"\& Neor Puultry Bool:

Field and Farm.

\section*{fENCES.}

\section*{Writen for the Farm and Fireside,}

There are few things more annoyiug on a farm than poor fences, and costly as is a good fence, it is mueh more eeonomieal than a poor
one. Whoever has found his oxen "strayed off" just at the moment when he needed them to get iu a load of hay, or after a hard day's work has spent the evening in looking for missing cows, or on rising in the morning has diseovered his neighbors' eattle treading down and destroying his piece of premium corn,
knows the vexation of spirit which a poor fence causes. It is not merely the loss of time and money which such a fenee produces, but of the feelings, the loss of self-respeet, and the ill will between neighbors ; these are the great evils for which money is no compensation. As far as our obscrvation goes, poor feuees are the cause of half the trouble between neigh-
boring farmers, and are certainly a great drawboring farmers, and are certainly a great draw-
back on the profits of the farm. The sulijeet of feneing therefore demands attentive eonsideration from all who havc a regard to good neighbors aud an eye to profit. How and where to eonstruet the fences is the first ques-
tion with every purchaser of a pieee of land. tion with every purchaser of a pieee of land.
In the first place, let him count the cost. Few are aware how expensive fencing is. If a farm contains an hundred aeres, all lying together in the form of a perfect square, the most economical one for fencing, the cost of enclosing it with a board fenec at the low
priee of one dollar per rod, will amount to over five hundred dollars; and if such a farm is divided into four equal lots, by fences running through the center at right angles with eaeh other, the cost will exceed seven hundred and fifty dollars. The purchaser of a quarter section of government land will pay, at governhundred and sixty acres, and the expense of fencing will exceed tarree times this amount. Allowiug that his neighbors will pay for one half of this, still the stubborn fact remains
that the fence costs much more than the land, and there are many farms, even in our favored New England, that may be bought to-day for less than the fenees have cost. The question how and where to huild our fences, is therefore
of some importance, and grows more import ant as fenciug material becomes scarce.
Where the land abounds with stone, there is no question but that a stone wall properly constructed, is the cheapest and most economical fence, for in this case we carry out the adNot only is a permanent fence built, but the land is freed from an incumbrance. There is no reason why a wall should not last for successive generations, but we see no such permanency in most of the walls hitherto built.
Thcy are crumbling and sprawling about as though they possessed the power of motion, and were not subject to the general law of the inertis of matter. The trouble is, that most ground, and often in wet places, so that the settling of the stones, and the frost, have speedily demolished what seemed at irst a
nice piece of work. If this surface soil were first removed, we should have a good material for the compost heap, and a good bed for the wall. Some recommend that a ditch be dug to a depth that the frost will not penetrate, and filled up with small stone as a foundation for the wall. This may be necessary in some places, but generally, if the sur-
face soil he removed and the bottom stones of face soil he removed and the bottom stones of
the wall placed on the hard pan, the foundation will remain sure. Walls should never be built except where a permanent fence is required. Ou the boundary lines, they serve the double purpose of fences and "ancient land
marks," which Solomon cautions us against marks,
removing.
The perishable nature of all wooden fences, exposed as they are to the weather, and more or less to the catalytic influence of decaying
vegetable matter in the soil, has led to the de- sake of being industrious. If we must cut up sire for a more permanent structure of iron, aud it was thought for a time that in iron wire we had found a cheap and permanent suhstitute for the post aud board, and the unsightly crooked rail fences. The experiments thus far have not resulted in favor of the wire. The wire fences, so extensively constructed by the side of our railroads and on our farms, have mostly given place to the old structures of wood. The wires were found soon to become as crooked and as unsightly as Virginia rails, and less servicealle. A cheap and at the same time comely iron fence is so desirable that we do not feel disposed to alandon further experiment, and hope some Yankee will ye devise a pattern that will give satisfaetion, and thus save our timber for more fitting uses. Fo ornamental grounds, we have iron fences that are all that can be desired, except in eost, but for the present, on our farms, we must be con teut, when stone arc not found, with rails and boards. Tue former made of split chestnut, and well laid up from the ground, make an effieient and enduring fence, easily put up and removed and easily repaired. We can testify that chestnut rails will last for half a century, for those that we laid over in our boyhood till, ag venerable from age, ar still, after the lapse of forty years, domg good serviee. The objection to rails laid in the usual crooked Virginia fashion is that they oecupy
too mueh land, and if laid straight, with mor tised posts, are a deformity to the landscape The latter is an inferior objection in the eyes of most farmers, but is worthy of considera tion. No one would like a rail fence in front of his house, and why not? "Beeause it does not look well." Very true; and when does it
begin to look well?-at five, or ten, or fifty rods distanee from the house? We never saw a rail fence that laid any claim to beauty, exeept
The post and board fence is much more comcly, occupies less land, and if the parts are placed on stone and braced, is very endur ing. The cost of a board fence in most localhties is more than that of one constructed of
rails, but if the land is valuable, the increased expense may be more than compensated by the land saved.
What we desire especially to call attention to is, the unnecessary amount of fencing on some instances, to have a mania for cuttiug up their farms into small lots. Lumber was cheap and fence huilding served seemingly as pastime to them. The fashion was to surround every house with a fence, whether as a barri-
cade against cattle or Indians, we hardly know. Often three or four fences led from the hous and barns to the road, giving a " pent up Utica appearauce to the whole premises. We havc a distinct remembrance of the back-achiug process of carrying the cocks of hay, ou long poles from the large door-yard of our father's premises, as therc was no gate to it large enough for a cart to pass through. Why this large front yard should be so sacredly inclosed
with an expensivc fence, we never knew. Our with an expensive fence, we never knew. Our childish impression was that it was a sort of inner sanctum, which the foot of an ox or horse should never pollute. We are glad to have gone out of fashion, and that the inner dihave gone out of fashion, and that the inner di-
vision fences of our farms are fast dimiuishing They are expensive, occupy more land than in generally supposed, for a plow cannot well run nearer than eighteen iuches to them, are very from one part of the farm to another; passing ly, are unsightly, even in their best state as farm cut up into small lots always reminds us of the old fashioned bed-quilts which our grandmothers used to picce up, and so fond were they of the little triangles, squares and pentagons, that they would sometimes cut up whole cloth into little pieces, and then sew served a mod purnose in keeping our mothers and aunts out of mischief, and inducing habits of industry, but it is not worth while to ravel of industry, but it is not worth while to ravel
out a stocking and then knit it up again for the

\begin{abstract}
our farms iuto piecc work, let us at least imi-
\end{abstract} ate our grandmothers in making the lots into squares, and not into trapeziums and other nconvenient forms, sueh as Euclid never dreamed of, and a common surveyor is puzMay, 1867.

\section*{Harticulture.}

\section*{gardening For women.}

There is nothing better for wives and daughters, physically, than to have the care of garden-a flower plot, if nothing more. What is pleasanter than to spend a portion of very passing day in workiug among plants and watchiug the growth of shrubs, and trees, and plants, and to observe the opening of lowers, from week to week, as the season advances? Then, how mueh it adds to the enoyment, to know that your owu hands have planted and tilled them, and have pruned and trained them. This is a pleasure that requires no great riehes nor profound knowledge. The humble cottage of the laboring poor, not less han their grounds, may be adorned with pot plants, which in due time will become redolent of rich perfume, not less than radiaut with beanty; thus ministeriug to the love of the beautiful in nature.
The wife and daughter who loves home, aud ould seek ever to make it the best place for husband and brother, is willing to forego some gossiping morning calls, for the sake of havng leisure for the cultivation of plants, and shrubs, and flowers. The good housewife is early among her plants and flowers, as is the husband at his place of business. They are both utilitarians, the one it may be iu the abstraet, and the other in the conerete, eaeh as essencial to the enjoyment of the other, as are the real and ideal in humau life. The lowest utilitarianism would lahor only for the meat that perisheth. Those of higher and nohler views, would labor with no less assiduity for the substantial things of life, but would in addition, seck also those things which clevate and refine the mind and exalt the soul.
The advantages which woman personally derives from stirring the soil, and snuffing the noruing air, are freshness and heauty cheek, and brightness of ey \(\epsilon\), cheerfulness temper, vigor of mind, and purity of heart. Consequently she is more cheerful and lovely as a daughter more dignified and womanly as sister, aud more attractive and confiding as a wife.
Hence the fruits and products of garden culture, as they relate to woman, when viewed objectively, are but small, relatively, as compared with the bencfits secured in regard to erself, as the center of social refinement and enjoyment, amid such a world as ours. A husband who revolves round such a center,
cannot but be a good neighbor, a useful citizen, a kind father, a loving and confiding companion. Do not, then, mothers and sisters, den.

\section*{TREE MIGNONETTE,}

A few seeds of the large-fiowered Mignonette should be sown, and the pot should be kept in a window till the young plants appear. Very little watering is sufficient at first, and a little moss or a piece of paper is a sufficient shade till the seeds have sprouted, just by way of preventing much watering. A North window, or still better oue Northeast or Northwest is the best place for the seedlings during the Summer months. They must he thinned at once to three, and after a week or two, only one should be lcft. A little earthing up is ex-
tremely useful, as the young plants seem somehow apt to get twisted round. As soon as one stem is tall enough to require tying, it should be fastened loosely to the stick awaiting it. And from the first every appearance of flower buds should be at once cut out with pair of sharp-pointed scissors. The little
pinehed at the point, as soon as they begin to make a seeond pair of leaves. And after three or four months the little shortened branehes may be themselves by degrees cut off. The leaves, however, are rather precious at first as helping greatly to advance the growth and to feed the plaut.
On a Summer's evening the plants may he watered thoroughly overheadse with a fiue hose or syringe, and if preserved from the frost or damp and kept in a light plaee, they will begin to be shrubby by next Spring, when perhaps one or two might be let begin to flower. They last for many years when onee well
trained, and are very useful from their Winter flowering.-London Gardener's Monthly.

\section*{SULPHURING TREES.}

All homœopathists are familiar with the extraordinary virtues of sulphur as a remedial agent in all the ailments that human flesh is heir to, but its "sphere of usefulness" (to use a rather cant phrase) is extraordinary still further. Since Claude Bernard has destroyed one of the grand distinctions between the animal and vegetable kingdoms, by showing that all animals produce sugar in their livers as deeidedly as if they were beets or sugar-canes, we shall be more ready to share the benefits of our medicaments with our vegetating fellowereatures. It has long been known that sulphur exercised a most benefieial effeet on the health of the grape-vine, and M. Rouband has now discovered that it is equally useful for sick orange trees. During twenty consecutive days he "sulphured" his trees, taking eare to perform the operation before sunrise, and he found that all symptoms of the disease gradually disappeared, and the plants mani fested new aetivity of vegetation. The olif tree is equally benefited by this treatment.
It is probable that mauy other plauts, espeei ally those whose maladies are due to the pres_ cnce of minute worms in the bark (a disease that finds its human analogy in that known in the polite world as scabies, for which sulphur con stitutes the standard treatment), would be saved from carly decay by this remedy; and those florists who wonld find a serious difficulty in gettiug up before sunrise to wait upon their plants, may he glad to kuow that after unset is a moment equally propitious.

\section*{Culture of the Rose.-There is no fiow-} ering shrub or plaut requires manuring so much as the rose, which produces such a large quantity of flowers that the soil withiu reach
of the roots soon beconcs exhausted of those of the roots soon beconcs exhausted of those
ingredieuts which are necessary for sustaining the health and vigor of the plant. Well-rotted cow manure is hest for the rose, and as the plant is a gross feeder, a liberal supply will required. Moderate root pruning has very good effect in conjunction with manur

The Blaok Knot.-lt your trecs are \(1 u\) fested with this pest, cut them down, and ask your neighbors to do the same. It require some nerve to do it, but therc is no other alter native. A single case may be removed with the knife, but if they are abundant, better attack them at once. You will only he vexed you delay the operation, however hard it may be to do it.
Among the large vegetables on record grown in Califoruia, are the following: A mangelwurtzel that weighed 118 pounds, a cabbage head of 53 pounds, a turnip of 26 pounds, a sweet potato of 15 pounds, a carrot of 10 pounds, an onion of 47 ounces, aud a pumpkin of 260 pounds.
Califormia is exchanging plauts with the Sandwich Islands. A few months ago a col lection of Califormia plants was sent to Hono turned in recently the compliment was re mangues, bannanas, alligator pear, ratan and lillies and other flowers, sent to San Frauciseo for free distribution, This is a movement of for free distribution, Th

FARA LANDS IN CALIFonsia. - Land is plenty and cheap in California. Thc government offers sisty acres as a gift to evcry man who will live on and
cultivatc it for four years, or it will sell limm land at \(\$ 125\) per acre and he can live ou it or not, as he pleases. There are thousands of acres of fertile cultivatc it for four years, or it will sell limm land at \(\$ 125\) per acre and he can live ou it or not, as he pleases. There are thousands of acres of fertile
soil withm a hundred miles of San Francisco, waiting for men to accept them as gifts. The abundancc of unoccupied public lands tends to keep down the price of private lands, and the best farming land in the State is not worth more than \(\$ 100\) per acre. The average value of the cultivated land is about \(\$ 20\) per acre. Want of facilities for getting to market has delayed the settlement of the agricultural sections of the State, but the construction of railroads \(\$ 20\) per acre. Wian
will remove this obstacle, and it is believed very soon.

Fre Fireside wase.


\section*{Cemeral 物iscellany.}

\section*{Washing wool in germany.}

Germar wool is equally quoted as the standard for cleanness as well as fincness. It will not be amiss to give some idea of the pains taken in some of the hest districts, to wash the wool hefore shearing. It is taken from a very valuable paper on German Agriculture, in the last Patent Office Report:-
Washing Sheep at Alcruth, in Hungary,The process of washing is done under tbe roof, and, accordingly, no sudden or rainy weather can interfere witb it Before the
shower bath is administered to the shieep, their shower bath is administered to the sheep, their
dirt and pitch has becn dissolved or loosened. For this purpose a soaking vat is put up, whieb is covered and tightly put together of strong plank or boards. It is filled with hot water, equal to cighty four degrees Falirenheit; the sbeep are then placed in two lines and constantly landled until the yolk and dirt are dissolved, which ordinarily takes from fifteen to
twenty minutes. The solvent effects of hot twenty minutes. The solvent effects of hot potash, and also hy the lyc arising from the potash, and also hy the lyc arising from the
natural oily matter of the wool. The sheep, natural oily matter of to wool. The sheep,
being well soaked, are placed under shelter, where they have to wait their turn of the sbower hatb, in order that the animal, now so much heated, may not pass immediately from the hot soaking vat into the shower hatb, this Fahrenheit. The water is let upon the shcep through a holc, with a strainer upon tbe end. It falls with considerable velocity, aud is brought to hear upon all parts of the sbecp until the wool is of a snowy whiteness. The shecp are tben driven to a warm, dry shehter and shorn as soon as the wool is dry, generally about the sixth clay. On an arcrage forty sheep are thus washed in an hour."

A farmere wrote as follows to a distinguisbed scientific agriculturist, to whom he felt under olligations for introducing a variety
of swine: "Respected sir-I went yesterday to the cattle sbow. I found several pirs of your species. Therc was a great variety of hogs, and I was astonishcd at not seeing you there."

The inseutor of the Bessemer process of couverting pig iron directly into steel, enjoys an income of half a million a year

Christianity was horn in the bearen of truth and love; therefore it stoops with a
special emphasis of compassion to the lowliest special emphasis of compassion to the lowliest
of earth.

\section*{the chameleon.}
hts changes of color anis manNer of taking food.
Mir. Coucr, an English naturalist, had ex cellent opportunitics for observing the clanges of color and modes of taking food in the chamcleon. The one in his possession measured ten inches in length, of wbiel the tail was four and a half inches. Its cyes were lilaek aud lively, and the pupil deeply seated in a hole searecly larger than would he made with a pin. The movement of each cye was independent of the opposite, and they were rarely directed at one object exeept when the creature was intent on seizing prey. The movements were very slow and dcliberate, especially when on the ground. Its color was
subject to continual change, hut if a crcature subject to continual change, hut if a crcature
that rarely retains the same hue for ten minthat tarely retains the same hether can be said to possess one which may he termed its own, it was dusky brown, or almost llack, nearly approaching to the
darness of soot. The light was of more imdarkness of soot. The light was of more importance to it than the heat, and when hask-
ing in tbe sun, cven the mouth was opened to reeeive the influence. A dingy hlack was its common color when thus enjoying itself. common color when twas enjoying the same
Both sides did not always adopt the same colors, for while the one towards the light was dark brown the other side would perhaps be light yellow, with white spots. On one occasion when the stick on which it rested was touched gently, without waking it, it became instantly covered all over with minute hrown spots. On another, when the color was alto gether yellow, a hook was held so as to cast a pace on the anterior part of the body, while a candle was held witbin four inches of the hindmost portion; and then presently the illuminated part changed to a light brown, while the shaded portion remained as before, and when the screen was removed the exact limit of the shade was risible. Tbe gencral belief in its faculty to live without food or drink, and to subsist wholly upou air was proved to be incorrect. It required water about once in a fortnight, and was very fond of flies. It uot only took all that came in its way, hut would seizc them as fast as children would bring them; aud it even became so familiar with the act as to take them repeatedly from the hand. It was thus easy to measure the distance to which it was able to
dart its tongue in seizing its prey, which wa dart its tongue in scizing its prey, Which wa the length of its hody. The fly would adhere to the tongue by means of a tenacious mucons with whicb it was covered. On the approach of cold weather its activity was greatly lessened, and it slept a greater portion of the time. The sunsline would always reanimate it, hut artificial heat produced little effect. Its color was varied, and when at last it was found dead, the general huc of its surface was dark.

Mis. Nordenskiond, the distinguished Swe dish geologist, announces a diseovery of bituminous gneiss, a rcal organic substance forncd of the remains of plants or animals, imbedded in layers of gneiss and micha scbist. Hc considered iufiltration impossible in the case, and the inference is that organie lite existed ou the carth far back in what has hitberto been con-
sidered the azoic age. Thus the savans keep upturning their own foundations.

A Frank Max. - The most agreeable of all companions is a simple, frank man, without any high pretensions to an oppressive greatuse of it; obliging alike at all hours; abore all, of a golden temper, auct steadfast as an anchor. For such a one we gladly exelhnge the greatest genius, the most brilliant wit, the protoundest thinker.

A Yankee captain was caughe in the jaw of a whale, hut was finally rescued, baddy wounded. On being asked what he thought while in that situation he replied: "I thought while in that situation he replied :
he would makc about forty barres."

\section*{bees in bretagne, france.}

Bers occupy a prominent and important position in the household in Bretagne, where they are regarded and treated as memhers of the family. All interesting oceurrenees affecting the welfare of the family are formally announced to them. When a child is horn, the father, accompanied by the eldest son, (if there be one old enough to walk ), arrayed in his best Sunday dress, proceeds to the apiary, and passing from hive to hive, announces the glad tidings, and decorates each hive with a searlet scarf. When a marriage engagement is nade, the faet is announeed in like manner,
the lady conducting her betrothed to the the lady conducting her betrothed to the
apiary, and presenting him to each colony. On the wedding day each hive is decorated with crimson trappings; and, on the following morning, the hridal-wreath is suspended on tbe stoek whicb the owner regards as the
best, and is left hanging there till sunset. When this has been done, the young husband feels assured that his wife will \({ }^{3}\) rove to be a very frugal and industrious helpmate, and that happiness and prosperity will attend them through life.
But the hees are uot expected to take an interest alone in the joyful events of the family. They are also apprised in due form of any mournful occurrences. Every death is announced by a messenger arrayed in black, with crape trailing from his hat and left arm and every hive also is inmediately invested in crape, which remains there so long as the family themselves wear mourning, unless meanwhile some joyous event occur, requiring to be communicated by message, when the crape is removed, and the crimson trappings substituted.
The origin of these singular customs is unknown. Probably they arose from a regar
to the great valuc and importance of bee-culture in the distriet, especially of Lower Bre tagne. The immense plains there covered with hlooming heather at the proper season, supply the hees with incxhaustible pasturage, and thousands of hives are seen there ever Summer, without the guardianship of any superinteudent. Yet robhing or theft
together unknown there.-Bee Journal.

\section*{CHICORY.}

At no time in the history of this plant, has it playcd so important a part in commerce as to-day. All the coffee sold ground is adulterated with it, and it gives to ground peas and ground hread crust, which hrowned, are converted iuto mueh of the "East India," "Rio," and other hrauds of "coffee" fouud at the
grocer's, that flavor so essential to the good grocer's, that flavor so essential to the good
reputation of all these several imitations of Mocha. Chicory is a perenuial plant in its native localities, growing wild iu various parts of Europe. It is hardy, and thrives well upon feelle and ligbt soils. It is cultivated extensively in Europe for cattle food, and especially for its root, which is used as the substitute fo coffee. For the purpose of soiling, it is classed as among the most valuable and remunera tive erops. The leaves are higlly uscful for sheep aud swinc, and are eaten with avidity by neat cattle, althongh some writers cousider that they impart an unpleasunt flavor to the milk of cows. In Lombardy und the Sontit of Frauce, chicory constitutes a large proportion of their cloicest meadows, and is descriled as
imparting to them a most brilliant aspect by imparing to them a most brilliant aspect by its gorgeons and luxurimnt vegetation. The immense harvest of bighly nutritious fodder for both soiling aud haying. Wbeu inteuded for grazing or hay, chicory sloutd be sown carly in the Spring. The plants are allowed to stand until they attaiu tbeir perfect growth, but should be cut previous to flowering, and treated in the curing like any other succulent vegetahle. Chicory is the plant earnestly recommended many years ago by Arthur Young, to the Euglish farmers, for introduction to their hushandry in reference to its valuable ryualities for grazing. We believe,
quite limited. Chicory is cultivated in Flanthis culture that it is especially valuable in this country to-day. In this culture it is planted in drills, with the rows a foot or cigbteen inches apart, and the plants at thinning being left with a space of about six iuches between. tbout four pounds of seed are required for an

In this tillage the land should he plowed or trencles dug, and be rich and mchow: A
trong and heayy soil is the most favorahle strong and heary soil is the inost favorahle
for the production of roots. Chieory requires yery similar treatment to the cartot or parsnip. In appearance the ront is not urlike the latter vegetable. It commonly grows from onc to wo feet in height, although its filaments pencrate mueh deeper. The roots sloould be taken up in September, when they will have reached the size of a small carrot. They are cut into pieces and dried in a kilh, and are then ready for market. Whicn intended for use they are also used in the mand. The roots of chicory aro stitute for hops. They contain a strong bitter which may be extracted hy infusion. The majority of the chicory sold in this country is imported; indeed, it is possible that about all the chicory now being incorporated into the pea mixturc in order to impart the "Old Govand we call the attentiou of our farmers to the fact that the crop will pay well, if properly attended to.

\section*{imitating an emperor}

The followiug aneclote exhihits the late Emperor of Russia iu a new character, as well as records one of the most happy eseapes from mind might afford
Some years ago there was a celehruted comic
ctor at St. Petershurg, named Martinoff. Ile had the most extraordinary powers of imitation, and was so great a favorite with the pulhic as sometimes to venture interpolations of liis owu, instead of following the advice of
Hamlet to bis players, "to speals no more han is set down for tben
The Emperor lad a ligh ehamberlain, or person filling a similar office, named Pooffsky.
Whether for fun or malice, Martinoff, while performing, contrived to let fly some puns against this great man, which were warmly re-
ceived hy the audicuce.
The consequence was, as soon as the play was over, the actor found himself in the cus-
tody of a guard of soldiers, who took him to prison, where he was told he was to be conlfined for a fortnight.
Not content with this, Poloffsky either told the Emperor himself, or contrived that it sould come to his cars, that the playcr had actually bad the presumption to indulge in mitations of his imperial majesty.
On his liberation, Martinoff went to court, o pay his respects as usual, aud the Emperor told him of the accusation, which he denied. "Well," said the Emperor, "if you never did so, let us bave an imitation of myself no
We know you cau do so if you chose,"
This was an awkward and dangerous position for the poor actor, who felt he should get into trouhl
Still the antecrat was determined. and there
was no escape
Suldenly a
Suldenly a bright thought struck the actor,
and drawing himselt up, he assumed the exact oicc so like his, that it made every one present start, said:
"Poloffsky, give Martinoff (himsclf) a thouand silver roulles
"Stop!" said the Emperor. "I lave heard quite cnough. The initation is admirable, but the entertainment promises to be too ex-
pensive. Give him the roubles, Poloffsky; and now mind, sir, let this he the last time rou crer dare to mimic me, bere or elsc where."
It is, of course, unnecessary to say that Martinoff was too glad to pocket the noney and escape so well.


\title{
farm and fraestue
}
sooner-but whether manure is buried three or sir inches below the surfaee, makes but little difference on naturally warn and well
cultivated soil. Corn roots will find all cultivated soil. Corn roots will find all fertilizers, at either depth, long before harvest As to modes of planting, we are firmly in faror of having the rows run North and South; laying the land off in two directions, at right angles to each other, and planting where the furrows cross each other. For small varieties of corn, three and a half fee apart for the hills, (for New England and the Northern part of the Middle States), but for the large varieties of corn, four feet is a better width. All corn must be far enough apart to run the plough and cultivator, and to give access of light and heat to the soil. The ab sorption of the uanure and plant-focd are thus equalized. Besides, the cultivatiou of the crop is made more perfect, the soil is broken, stirred and pulverised around every side o the hill by this system of cross-ploughing or cultivating at right angles. Grass and weeds are also more perfectly eradicated than they can be by the plongh or

\section*{geological examination of nebraska}

Tue Commissioner of the General Laud Of fice, has, with the sanctiou of the Departmen of the Interior, appointed Dr. S. V. Hayden, professor of geology and mineralogy in the University of Peunsylvania, to make the geological examination of Nebraska, authorize by the second section of the act approved sist of himself and assistant, who is also paleontologist, with three collectors and labor ers. That part of the State lying south of the Platte river will be examined first, from the fact of its being occupicd by the limestones of the terne coal measures. Careful search is to be uade for the localities, depth and extent of that valuable mineral. Explorations are also to be extended along the Missouri river to Sioux City, as there is reported to be a bed of coal out-cropping from the rocks of the chalk formation near the Omaha Reserve. The fol lowing extract is made from the Commissioner' instructions: "The State being chiefly a tarm ing country, your attention is invited to an ex aminatiou of its soils, subsoils, and their adaptability to particular crops, and the best method of preserving and increasing their fer tility; and as a large portion of Nebraslsa i deficient in timber, the introduction of suita ble forest trees should be the subject of your examination.'
Mr. Hayden has been quoted in the writings of Lyell and Dana, the geologists, and was the first to discover the remains of fossil horses on this continent, it haviug been previously be lieved that the horse had not existed here in remote times.

I went by the field of the slothful, and by the vineyard of the man void of naderstand ing, and lo! it was all grown over with thorns, and nettles had covered the tace thereof, and the stone wall thereof was broken down."
It would appear that there were slothful farmers in Scriptural times also. Farns answering to this description can be seen almost anywhere in a day's ride. A slothful farmer is an unjust steward; his moral right to pursue his occupation may be questioned, if he neglects to give it that reasonable attention neeessary to success. For the man "void of understanding," we would recommend weekly installments of the Farm and Fireside. Should that fail, his case might be considered hopeless.

Ferning Diseased Potators.-Opinions seem to differ in reference to feeding diseased potatoes to stock. Some claim that the effects are of the most injurious character, while others deny this to be the case. Wm. B. Merry says, in the Maine Farmer, that he fed four hundred bushels of rotten potatoes to his cattle last Winter, giving them nothing elsc but wheat straw. He declares them to be in as good flesh as cattle that are fed on hay

\section*{ROTATION OF CROPS.}

That priuciple is the rotation of crops founded, what are the benefits of sizch rotation, and which is the best system of rotation?" To answer these questions fully and thoroughly vould take up more space and time than is consistent with acknowledged editorial brevity However, we will answer them in the order named, as briefly and succinctly as we can, so as to r
sible.
1. R

Rotation is founded upon the eorrectly scertained principle that different classes of crops require different proportions of the va-
rious substances which are indigenous to soils, or which abound in the various fertilizers ap plied with the view of euriching such soils. Thus crops may be made to succeed each other with the least possible injury to the soil, and with the greatest economy in the use of maures. It is believed that the grain crops curry off the largest part of the phosphates; bu here will yet remain in the manure considerable quantities of other sulstances, which the grain crops did not so particularly require, such as potash and soda; of these the root crops, such as turnips and potatoes, are wonderful absorbers; then it is claimed that there enough lime, etc., left in the soil to warran good crop of hay.

The benefit is found in the abondant yield the several species of crops and the saving manures; or, in other words, the most ad rop of all the means for its growth within its crop of all the means for its growth within its
reach. Rotation also tends to husbanding the esources of the soil, and insures the destrue ion of obnoxious weeds and insects. A field ropped with wheat for suceessive ycars beomes worn out for that particular grain, and roublesome weeds, chess and red root, dec. left unplowed for a number of years become uxuriant with buttercups and ox-cye daisies A disproportion of Spring crops facilitates the spread of the wild mustard, \&c., and the in crease of grubs, wire-worms, etc. Rotation is unmistakably a valuable auxiliar
ultivation
3. The system of rotation is simple, evi lently is founded upon natural laws, and re quires no additional expenditure or labor; it costs no more to cultivate erops which are made to succeed each other judiciously, than cultivate those arranged in the worst manner possible. It is impossible for us to state which ystem of rotation is the best, or to recom mend any particular system. That must be determined by experience iu each section of country, under the various circumstances crops. The one prominent thing to be rememered is, that there are several distinct classe of crops, considered with reference to the substances which they take from the soil, and that these classes of erops should bear a par in every system of rotation. The principal of these
crops.

New York Suref Exhbition.-A correspondent, who visited the Empire State annual Sheep and Wool Fair, at Auburn, last week, nforms us that the exhibition was slimly at iuclemency of the weather. There were two hundred pens erected for stock; but not onc half were occupied. However, there were ome fine flocks, and many of the leading sheep breeders of the State wcre present Among the prominent bucks were "Dew Drop," valued at \(\$ 5,000\); "Blucher" at \(\$ 10,000\) efused for him \(\$ 12,000\) in gold! People who own this kind of stock, must have a thorougl contempt for common sheep and pape money.

Colonel James Glearon, of Pennsylvania, has been appointed general superintendent of the experimental farm by Commissioner New ton of the Agricultural Bureau.

\section*{CROP PROSPECTS.}

From an extensivo correspondence, embracing all the New Eurland, the Middle and thre the Southem States, we have trattering indiations of more than an average prosucet for ruit this year. If buds, blossoms and young state that up to the middle of May, the pros pect was nerer more encouraging. The past Winter, with its great quantity of suow, pro teeted the roots of fruit trees; and the late spring las kept back the flow of sap, and thus prevented the too carly inflorescence of the cate fruit crops in May; for there are lat Summer droughts to intervenc before fruit is

From New Jersey, Delaware and Maryland -the two latter the great peach-growing terriscetiou, and also New Englaud), we have re liable iuformation of good prospective crops. The frost of the \(3 d\) inst., did some damage ot nuaterial. Strawberries, ruspberries and similar small fruit, were not sufficiently
advanced to be injured. Apricots, although of limited culture, promise well. Pears and ap ples, tron all sections, give promise ot abun dance. The average of our correspondence five for " good prospects," to one of "iudiffer conclude the average indications are bettes hau most years, for fruit.
The wheat fields never looked better. Not dery field looks well, but our information decidedly favorable, extending oyer a terricultural press at the West (tyo The ag: ave no private information), corroborate for mer reports of the magnificent appearance of Winter wheat. Spring variety, also, looks
fair. Barley, rye and oats are mentioued as looking well, although much of it is but jus coming up. All these cereals have much to ontend with, in the form of insects and will not be safe to base our calculations on the aggregate \(y\) ield of these crops at present. But eneral indications aud prospects arc favorable Tie ligh price of grain, the past year, has stimulated farulers to sow more thau the usual number of acres; hence it will be safe, uuless he Summer is remarkably unpropitious, to or 1867.

\section*{THE FAIR AT CRANSTON.}

Tre Fourth Annual Fair of the New Eng and Agricultural Society will be held on the grounds of the Narragansett Park Association, Cranston, near Providence, on the 3 , 4 h th and 6 th days of Septemice. Arrange ments have been made with the various RailCompanies to run their cars, containing tock, de., directly to the Fair grounds. country will compete for the premiums, which mount to nearly ten thousand dollars. The track is that projected and laid out by Col. Anasa Sprague, and is pronounced by the best of judges to be in all respects superior to y track in the country. Five thousand perons can be seated under cover; the stable oom on the grounds is commodious and airy, be provided for every department.

Tampa, Fiorida, must be an excellent place to to market in. The people recently pened a new meat market, at which the quotatious for beef werc: Fore quarters, 5 cent a pound; roasts, 7 cents; beefsteak, 9 cents
\(53^{5}\) A member of the Ocean County (New Jersey ), Fruit Grower's Cluk, says he has experimented with saw-dust as a mulching for peach trecs, and finds it valuable. He spreads the saw-dust on the snow, in Winter, and this the a tendency to keep
thay of early frosts.

America no Pla or por Foors. - In a lecture lately delivered before the London Farmers' Club, Mr. James Howard, the well-knornn manufacturer of implements, of Bedford, England, made the following pointed remarks concerning his experience in a recent visit to the United States: He said he had been profoundly impressed with the happiness, prosperity, energy, inteligence and self-government of the American people, He Wondered
that so many people were willing to remain in the Old World, without a chance to rise, with hardly a chanco to exist. If the United States were that so many people were wiling to remain in be early a thousand miltions. In reply, however, to the question whether he thought large andl opulent
crowded as England is, the population would be ncerly farmers would do well to send their sons to America, he said that the first memoranda he made in his diary, was "that America was no place for fools.

The Firesinte 䀦use.
the apple tree in the lane.


Trireside fale.

\section*{gItTY ELLIOT.}

Charle, Cbarlie! the Swiss Bell-ringer are to perform this evening, I have been longiug for you to come home to tell you ahout it.
With this greeting, little Kitty Elliot, the wife of a year, sprang to meet her hasband. She was a pretty lady, with a fairy-like form, tiny hands and feet, a fair complexion, and cheeks just tinged with rose-color, blue eyes, and golden hair, which she still wore as
"There is the bill, Charlie," she said, as st tossed it across the diniug tahle. "I heard
them when they were here while I was a little them when they were here while I was a little
girl. Of course I don't reeollect much about it, but I know I was pleased. And you see it must be much hetter now, with their new bells and loug practice. Then those dear little childreu in costumes! They surely will look very pretty indeed.
Charlic made no reply. His silence, and the serious expression of his face did not quite suit Kitty, and sbe asked anxiously, a doubt having for the first time erossed her mind-
"Caunot we go? You know bah̀y always sleeps all the evening, and motiner is never bet ter pleased than wheu she has the care of her."
"All that I know," Charlie answered; "but
"All that I know," Charlie answered; "but
know, too, that bahy's mother has not been out after sunset since her arrival, and a chilly Autumn evening is not the best time for such cxperiments. If it were pleasant, the case would be somewhat different; but the wind is cast, the atmosphere very damp, and there is cvery appcarance of a storm eoming on. would not he prudent for yon, darling!
"Od, Charlie! I am perfectly wcll. could not do me any harm. I can wrap up as muc
"I think Charlie is right, dear," said Mrs. Elliot.' "I would gladly take care of baby, if it were safe for you to go; but you could scarcely avoid taking cold, especially in coming out of a waruu hall, after sitting with your
thiugs on." thiugs on."

Wait, Kitty, and think it over by yourself this aftermoou," said Charlie. "We wont talk of it any more just now."
Think about it when alone, Kitty certainly did; but as her feelings led her thoughts, her husband found her, when he came home in tea,
still eager to attend the concert, and confident she should not take cold.
The little wife was not without good prineiples, auủ a strong affection for her husband, but she was scarcely eighteen, au only and petted daughter, and it was not strange that she was sometimes thoughtless. Shc would not wilfully persist in wroug when she sav it as
such; but at times, as iu the present instance, her impulscs bliuded her judgment.
At tea, she waited for Charlie or his mother to revert to the concert ; but they did not, and she again arged the subject, though with some emharrassment aud \(\approx\) heightened color. The weather was
dinner time.
After trying ineffectually to convince her tbat she ought not to go, her husband said kindly, but gravely : "Kitty, I have thought the matter all over many times, and though very reluctant to disappoint you, it is my set tled conviction that it would be very imprudent
for you to go. I shall not command you--I for you to go. I shall not comnand you-1
hope never to do that. If you go, I shall at tend you, to take care of you so far as I can ; but you will go with my serious disapproval, aud grieve me very much.
Kitty's only reply was a gush of tears, and she retreated to her chamber. She was not usually so childish; but she was passionately fond of music, and her feelings had been in a state of excitement all the afternoon. This was the first time her husband had crossed her will, and she really was not, as sue thought wisely checked the impatience that arose in wisely checked the impatience that arose in
his breast, and exercised towards her the utmost gentleness. Well was it for both husband and wife, that her lot was cast with that
of one so strong to rule himself, so thoughtful of one so strong to rule himsel, so thoughtfu in his carc, so patient with anotber's weakness, 'I can go well enough; it will not hurt me ; and when Charlie sees that it does not, he will be satisfied.
She rocked her babe to sleep, but with less delight than usual, and she sang in trembling tones. She felt an oppression ahout her hear that she could not throw off. She commeneed the "wrapping np" she had spoken of, trying to convince herself, as sie went on, of the impossibility of taking cold; hut she became she was doing wrong, grew still more vivid. she was doing wrong, grew still more vivid.
Suppose she should take cold? She would not believe it-but it might be possihle ; suppose she should? She might be very sick-shc
might die ; and what then of her babe-her innocent, hclpless babe--her faithful, affectionate husband?

Have I a right to risk all this?" she asked herself, " for the pleasure of an evening? And even if I escape a cold, this will be the first
step in a dangerous path-that of acting in opposition to my husband. Will the enjoyment be worth its cost? Shall I not lessen his conthe wealth of worlds; and I know that thus far it has been entire. Can tbis affection re main unclanged?
Sbe turned and bent over her sleeping child. As sie rested her hand on the little crib, the gleaming gold of her marriage ring canght her eye, and the thougit of all her husband's love and kimdness, interwoven with every hour swept over her with a mighty influence. How eould she give him so much pain?
As the young motler silently pressed her lips on the infant hrow, her resolution was formed She threw aside her wrappings, and bounded down stairs. Her hushand was standing before the fire, with a look of sadness in his faee, such as she had never before seen there. She his neck, hid her facc in his boson, and whis-pered-" Charlie, forgive me!-I will stay at bome."
He
He pressed her to his heart, and lifting her face, smoothed hack the curls from her brow, and kissed awny the tears that glistened on her fully-"I could not afford to risk losing you my little beauty."

That night, Kitty's prayer was offered with repentant feeling, and gratitude that she had heen withdrawn from what she truly termed "a dangerous path." In after years, the inc garded.-Arthur's Home Magazine.

\section*{湖iscellany.}

\section*{a SWarm of bees on a man's face.}

A Correspondent of the London Field gives he following interesting narrative
In June, 1854, Mr. Simmonds, a farmer residing at Brookland Farm, Weybridge, was ressing in order to attend the rent audit at Woburn House. Before putting on his coat, he perceived from his window an unusually arge swarm of becs, filbng the air with their cloud and noise. It was, in fact, as he afterwards ascertained, two swarms that had come out of two distinct hives, and had united in he air. He rau out in his shirt sleeves, and without his hat, to see where they would light. The bees, after making some circles in the air, led him off to the hank of the river Wey. Thinking that the bees might cross the river, and perhaps escape, he adopted a plan not uncommon with bee-masters, name\(y\), that of throwing dust into the air among the bees. This often makes them settle quickly: They did settle quickly, and this hore so than he expected, for in a short time the whole of one of the largest swarms he had ver seen, settled upon his hcad, face and breast. Tbey hung down in front like a great beard to the bottom of his waistcoat. Had he not heen well aecustomed to bees, and per fectly collected, his situation would have been very dangerous one; for, had he at all irriated this mass of armed inseets, he would no loubt have received a suffieient number of stings to have placed his life in peril. He was obliged to close his eyes slowly and to keep his mouth shut. Then, in order to prevent heir entering his nostrils, which they endeavored to do, he slowly thrust one hand through the mass, and with his two fore-fingers manged to keep drawing aud pushiug them away om his nostrils as they tried to enter, he reathing all the while as softly as possible This was necessary, as bees are generally irriated by being breathed upon.
He then began to consider what course he hould take. \({ }^{\circ}\) He was some distanee from his onse, and uo oue near him, or within call. His first thouglt was to walk slowly into the river Wey, and gently sink his head under the water, and then throw of the swarm. But a moment's consideration dissuaded him from hat attempted remedy. He could not have disengaged then all, for many were hetween bis neckcloth and his skin, and still more were crawliug down his back. He found that if he walked he conld not help disturbiug the hang mg mass, and that every little agitation, how ever slight, caused a hum aud a hiss from some thousands. He then remembered the aceount given in Thorley's work on bees of a warm settling on the face and neck of a servant maid, who escaped unhurt by the care and advice of her master, he, without irritating the swarm, having hived it from off her witb a hive well smeared with honey. To avoid agitating the swarm, Mr. Simmonds slowly knelt down on the grass aud remained perfectly still. He then found a number of hees were gathering in a mass under the waist band of his trousers, in the hollow of his back, o which spot the others were drawing, indicating that the queen was there. Fcaring herefore, that the tightness of the waistband -rendered tighter whenever he breathedmight crush, or at any rate irritate this part of the swarm, he slowly unhuttoned the front of his trousers.
It is not easy to conceive a more helpless condition than that to which Mr. Simmonds was now reduced. He that was the master of forty hives, from which he could usually levy what spoils he pleasad, killing his thousands at his pleasure with a brimstone match, was ow completely in the power of one detach
ment of his own army, and was reduced to the most suppliant position. Even to call for
help would have been dangerous, as the bees near his mouth would have been undoubtedly irritated, and would have probably entered his mouth. At this moment he heard a railway train on the Chertsey Branch Railway, from whieh he was abont fifty yards. It fortunately happened tbat the engine driver was known to him, and had a little commission from him to sound his railway whistle if he saw auything wreng among his cows and sheep.
The engine driver seeing Mr. Simmonds on his knees, with one arm exteuded as if for help, and something odd hanging from his face, sounded his whistle. This was heard by Mr. Simmond's wife, who, supposing thai some cow was ill, sent her son and a farning man out into the fields. They soon found Mr. Simmonds in the predicament above descrihed In addition to the hanging mass, there was a cloud of bees still flying around him, so that to approaeh him was not the most agreeable office. However, they came near enough to hear him speak, which he did very gently, merely saying, "hring a bushel hive well rubbed with honey, and some bricks."
While they werc gone at the top of their speed for this, he remained perfectly still. The tickling of the bees feet on his face was almost unbearable, and the danger of irritating those that were down his neek and hack was immiuent.
The most diffeult part he had to perform, however, was tbat before mentioned, of dissuading the bees, with the aid of his two forefingers from getting np his nostrils. These bees were not in a good humor, as they were
breathed upon, and were also deterred from doing as they pleased, and one bee showed his displeasure by stinging Mr. Simmonds at the fork of his two fore fingers. This was not pleasant of itself; but was a serious occurrence, as it might be the prelude to a more extensive attack. He avoided making any start when he was stuug, and continuing to push away as gently as possible those that were near his nostrils. This was the only safe place to hreathe from, as it was necessary to keep his mouth perfectly closed. Of course, the ew ninutes that elapsed hefore the returu of his son and servant seemed a terribly long period to Mr. Simmonds, as duriag the wbole of it he remained as motionless as possible on his knees.
On their arrival, the hive was placed on Mr. Simms, with its mouth downward, and onds slowly laid himself ou his reast on the grass, with his head elose to the earest to it houey soon attracted the bees took place, till at leugth the whole swarm gradually gathered itself under and within the hive, except a few patches of bees, which, in walking away, Mr. Simmonds easily disengased from lis dress witb his hand, and made them join their companions. Mr. Simmonds thus escaped from not ouly a very disagreeable but a perilous situation. It occupied two hours from the time that the bees alighted on their master to the time of his release.

The Power of a Growing Tref. - Walton Hall had at one time its own coru mill, and when tbat inconveuient necessity no longer existed, the mill stone was laid by in an orchard and forgutten. The diameter of this cireular stone measured five feet, while its depth a veraged seven inches throughout; its central hole had a diameter of eleven inches. By mere accident some bird or squirrel had dropped the fruit of the filhert tree through this hole on the earth, and in 1812 the seedling was seen rising up through that unwonted channel. As its trunk gradually grew throngh this aperture and increased, its power to raise the ponderous mass of stone was specnlated upon by many. Would the filhert tree die in the attempt? Would it burst the mill stone?
Or would it lift it? In the end, the little filOr would it lift it? In the end, the little fil-
hert lifted the mill stone, and in 1863 wore it ike a erinoline about its trunk, and Mr. Waertown used to sit upon it under the brauchug shades.-English Paper.

New Frre Arms.- - It is announced that the new. French cannon, the construction of which is supposed to he a profound secret, can be fired 40 or 50 limes a minute. It carries with accuracy 2000 yards, and is so light that trio men can easily hift it. wrance is partial to breach-loading cannona, hang England is discarding them. England is experimenting with neede guns, hassent rifle, the new weapou adopted for the use of the French army, is said to unite all the best qualities of an offensive weapon-long range, facility of management, great precision and great penetranug power, It cau fire rounds without becoming overheated; it discharges 12 balls a minute, and is lighter than the ordinary infantry musk

The Farm and Firesinde.

The farm and Garden. agRICULTURAL ITEMS.
The Ponghkeepsic Eagle says reports from the intcrior of Dutchess connty intimate that the fruit crop will be prolific.
Butter is selling in Buffalo at from twenty five to twenty-eight cents per ponnd, and eggs from fifteen to sixteen cents per dozen.
A man in Exeter, Mass., has a hen with two pair of wings.
The Illinois Legislature has passed a law mposing a penalty of \(\$ 400 \mathrm{for}\) the bringing of Canada thistle secd into that State.
The Department of Agricultnre is now en gaged in sending seeds to the South, in accor dance with the recent law transferring \(\$ 50,000\) of the fund for the Freedmen's Burcan to aid in relieving the destitution of seeds of all de scriptions in the Southern States. The distri bntion will be made through the regnlar cor respondents of the department in the varions sections of the country. Requests by individuals for small pareels of the seeds will be promptly attended to. This distribution will be prodnctive of much benefit to the Sonth. In Russia horses are chiefly bought and sold at great horse-fairs, which are held annnally in various parts of the country. There are every year \(3 S 0\) of thesc fairs, at which the number of animals sold is estimated at 263,000 . J. Harris says, in his "Walks and Talks," hat while it is true that inproved breeds of cattle will not do so well on very littlc food as will the " natives," it is also true that the "naives" will not stand high feeding as well as he improved brceds. Those who want to feed high so as to get a large quantity of rich milk must get cows with a good share of inproved blood.
The wool clip in the United States in 1866 amonuted to \(137,000,000\) ponnds. It is estimated that there are in the United States 1600 woolen mills, containing 6000 sets of carding machines, with the capacity of mannfaetnring \(170,000: 000\) pounds of clean material.
A tatal sheep disease prevails in Iowa. Post mortem exuminations reveal parasites in the stomachs of the sheep
Dr. Ayer, of Lowell, advertises choice Al derney cows for sale. He shonld keep none but the Ayer-sbire.

Agricultupe in New Jersey.-A write refers to the wonderful effect of the little volume entitled Ten Acres Enough, written by a Jerseyman, in indncing emlgration to that conntry, and especially to the Western part of New Jersey
Mnch of the hitherto neglected lands of New Jersey are being cut up and sold in small racts, to be devoted chiefly to fruit growing and market gardening, and it is both surprising aud gratifying to learn that very fair crops have mostly been obtained from those lands in the shape of vegetables and fruits, after they have been manured and properly cultivated for a short time. We think tbat much of the middle and Southern portion of this State, as well as of the State of Delaware, and of the Eastern shore of Maryland, will eventnally be devoted to snpplying the markets of our large and rapidly increasing Eastern cities with
frnits and vegetables, as the soil generally in the localities named is so aptly adapted to this kind of cnltnre, and the growing wants of an incrcasingly popnlous conntry mnst certainly some day demand it.

Massaonusetts Agrioultubal College, The trostces of the Agricultural College at Amherst have voted to erect at once a presiajent's honse, at a cost of \(\$ 16,000\), and the two botanical bnildings will cost \(\$ 13,000\). Eight acres of the farm have bocn under drained, and will be prepared for the botaui cal gardens. This season abont 25 acres of eorn and potatoes will be planted, and the oats have already becn sown on 22 acres
New Hampsuire has \(\$ 3,000,000\) invested in horses, \(\$ 4,500,000\) in eattle, \(\$ 5,500,000\) in milch cows, \(\$ 2,000,000\) in sheep, and \(\$ 674\), 000 in swine.

Are tie Salts of Manure Lost by Filtra tron?-Prof. Way says, as the result of his patient experiments, that salts of ammoni will not filtrate throngh clay; but that much of this fertilizer in solntion will escape through a silicions sand. This migbt indnce a belief that a sandy soil contains no alnminous earth ; a sandy soil rarely contains less than ten per cent. of alumina, which is all sufficient to enable the soil to hold its organic matter until it is absorbed by the roots of growing plants A sandy soil that will not form a crust after A sandy soil that will not form a crust after
shower, nndoubtedly loses some of its nascen ammonia, which passes off from the loose sur face in the form of gas, but when in solution the soil retains it for the ase of plants

Permanent Meanows. - The editor of the Cultivator and Country Gentleman recently fell in with a farmer whose practice is to cut the grass on his meadow land and send the product to the New York market. He supplied the land with nothing in the shape, and lad not for the last fifteen years, but added by way of apology and explanation that he never allowed the aftermath to be fed down at all. On this he relicd for the invigo ration of the land subjected to this continued process of hay cropping.

Tne Detroit Post has news from nearly all he: State of Michigan concerning the grain and frnit crop, which, with but slight variation, is favorable. It says: "From all quar ters the good condition of the wheat is noted and hopes of an abundant barvest and a consequent decline from the present enormons price of wheat and flonr, may be indulged in with very mnch eonfidence.

Soot as a Fertilazer.-Every occupant bas soot at command, wbose presence in stove pipes, or chimneys is, not nnfiequently, the cause of fires, occasioning the loss sometimes of both property and life. This agent for evil is one of the most valnable mannres, and nothing but the most culpable carclessnes and indifference will suffer it to remain a stand ing menace to life and property, when it can be easily removed and trrued to good account in the field or garden. Twelve quarts of soot in a hogshead of water will make a powerful liqnid manure, which will improve the growth of flowers, garden vegetables, or root crops. In either a liquid or solid state it makes an excellent top-dressing for grass or cereal crops.

Grass never looked better at this season han it does now in New Hampshire, and the ame is truc of all the New Ergland States, There will be a large hay crop if the season ontinues favorable.

Loss of Cattle by the Cretasses.-It is estimated that not less than five thonsand cattle, besides sheep and hogs, have been rowned in the Mississippi and Atchafalaya ivers.


\section*{marriages.}

 \({ }^{\text {In }}\)
In Webiser, Bay ut, oeorge Moore to Elien Panl


\section*{fleaths.}
 57 years. Ia Ne Eniand Village, Nay 11, Mrra. Elvira M. Snow, In Oxford, Aprll 28tb, Cbarles Ball, aged 19 years. In Milford, May 7 , Levi Smith.


Tlee warlvets.
Woonsocker Rerail manker



BRIGHTON CATTLE MARKET.




\section*{}

WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.




han.
Rye has improved under a frm demand, closiag firmer a
1,55 to 1,70 for Western, and \(\% 1\), ,5
for canadiant and state.

 sew Is accumpuating.
Beef bas ruled \(\operatorname{\text {irm,}}\)

\section*{Anertisements}
new endland agriculitida societt,
Rhode Island Society for the Encourage
ment of Domestic Industry,
NARRAGANSETT PAHK Assuctation
On Tuesday, Wednesday, Thursday and Friday, SEPTEMBER 3d, tib, jth and \(6 \mathrm{tb}, 1667\).


\section*{Arrangements have been made with rbe parions Raliroa}



 iPregident, of Salem,
DANIE EnEEDHMM, of Bob
of to N. E. Aecretary,
Aricultural Soc'
 tiIe narrigansett park,



 the stables.
 completion. WATER.
An ample aupply of pure Spring Fater will he frovided for
cery depariment, and tion bebl of bay, grain, ic., for feedlag. the track
 Lest jndges to
conntry
May \(17,1807\).

Great American Tea Company
the immense profits
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\(\qquad\) Hereafler we will seld a compllimentary package to the party
getting up the club. Our profits are sinall but ne will be as





\section*{The Fielin.}

\section*{HOED CROPS AND LABOR.}

Hoed crops are the most costly in labor of any which the farmer grows. Therefore the \(y\) should be the most profitable. The greates difficulty which the farmer in this country bas to contend with, in order to make his busiuess profitahlc, is tlie price of labor. And as he is obliged to hestow a great deal of this ou his hoed erops, he shorld take care, hy judicious management and use of the products, to make this outlay of capital remunerative. How to do this should he a subject of much thought.
Corn aud potatoes are the two most largely grown aud important of this class of products One rule which will apply to both, which the wise faruer wili act upon, is to obtain as large a yield as possible from each acre planted This will diuninish the amount of labor in proportiou to the product obtained. Every bushel will therefore cost less than when the yicld is suall. The next important point is to get the best return for the crop. As corn is the great reliance of the stock feeder in this country, aud as manure from stock is essential to grow continued large crops, it is obvious that skillful feeding to stock is the most re muuerative disposal that can be made of
corn crop. Hence good breeds, ample shelter, and proper care are indispensable adjuncts In short, if labor has cost you too much, re solve to plaut less ground, but raise more per acre. This can easily be done if you will only set about it. Nest, determine that you coru siall produce more pounds of meat per \}ushel than heretofore. This you cau accom plisl to a timely and judicious selectiou imp:oved breeds of stock, and morc skill ployed in handling them. No farmer should be satisfied if he caunot improve crery year ou his past unethods. Thought and energy ap\({ }^{1}\) Wied to your business will do this.
The potato crop is usually sold for cash aud this produces no manure for the land For this reason it is a very exhausting crop and ino faruer can persist long in growing it largely without imporerishing his land. On ac count of their hulk potatoes cannot be grown proftably a great distance from market. On the right sort of land, and near market, the usually produce a good deal of money per
acre; aul potato growers should devote part of the proceeds of the crop towards the purchasing of manure to renovate the land Plant less, mauure more, and your labor will hring greatcr profit. Potato growers, being near the lives of transportation, could con vey muanures
Гorter.
influence of silica on the "lodging" of grain.

Years ago it was showu hy chemical analy sis that the straw of the cereal grasses, and particulariy wheat straw, contains a very con siderable quantity of silica. Since the plants
thus rici in silica are exceedingly hard, stiff aud rigid, it was a not unnatural inference that the strength of the wheat plant was likely to be nearly propotional to the amount of silica contained iu it. The opinion was, in fact, quite geacrally received that it is from lack of silicit iu its stalk that the spear of grain is weak and liable to fall down.
The siggycstion has been thrown out that grain might he prevented from lodging hy dressiug the soil with some one of the soluble preparations of silica, and so furnishing to the growing plant the supposed desideratum in readily assimilable condition.
The distinguished French agricultural chemist, Pierri, las recently subjected the whole questiou to the test of experiment. He finds that the ideas and hypotheses above mentioned are rot borne out by facts. As the result of uunerons analyses, he finds that of the differeut. puits of the wheat plant the leaves contaiu far more silica than the smooth portions of the stalk, and the stalk much more than tlre knols or joints, which prove to be comparafively poor in silica, in spite of their ap-
parent harduess. In equal weights, the leaves the joints, and four or five times more than the spaces hetween the joints. The portiou of the plant least rich in silica is the lower part of the stalk, at precisely the place where he stiffness and rigidity are most necessary If, then, silicated manures hc offcred to the wheat plant, the larger portion of the as imilated silica will accumulate in the leave and not in the stalk; and, as a consequence o his excessive development of the leaves, follows naturally that grain highly charged with silica, might fall dowu and lodge, while grain exposed to sinilar conditions, but less ich in silica, might stand firm and suffer no harm.
It has long been noticed that, other things being equal, tlose samples of grain of which the leaves are most highly developed lodge first. This is not surprising, for in this case the foot of the stalk remains shaded, and, as a consequence, soft and feeble, while the ener rated stalk is forced to carry an excessive load which presents a great surface to the crushiug pressure of rain and wind. On the other hand, it is notorions that the wheat grown planation of tuis fact is evidently that, iu the bsence of vigorous leaves, the stalks, beside having no great loal to carry, become hardened hy the actiou of suu and air.
The practical lesson suggested by these ex periments is that, in order to prevent the lods gg of grain, the farmer must, for the present at least, look rather to the improved methods of sowing, by means of which light aurd air shall always be freely admitted to the stalks, than to any chemical specific which has yet been suggested. In the course of time means may perlapps be found to iuduce the deposition of strengthening ingredients at those parts of the stalk where strength is most needed, but until that time arrives it will he best to follow the lesson taught hy the natural growth of the wheat plant; and uot to depart too far from the physical conditions which are essential to its healthy development.

The New York produce exchange refuses to follow the Western boards of trade in giving up the cental systeur in the measurement of graiu, and proposes a national convention o the authorized hodies to settle the difference

\section*{泪iscellany.}

Cheerful Work.-One of the most valua ble, and one of the most infectious examples which can be set before the young is that of cheerful working. Cheerfulness gives clasticity to the spirit. Spectres fly before it; difficuities cause no despair, for they are encountered with hope, and the mind acquires that happy disposition to improve opportunities spirit is always a healthy and happy spirit, working cheerfully itself and stimulating oth ers to work. It confers a dignity on even the most ordinary occupations. The most effective work, also, is always the full hearted work, that which passes through the hands or the head of him whose heart is glad.

A Caftan of a vessel, who professed himiself Quaker, being insulted by one of his crew, said: "Friend I will not strike thee, nor kick thee; hut (holding a handspike over his head) will let this billet of wood fall on thee," and let the handspike fall ou his head, which knocked him in the scupper. "Now, fricud, if thou art content, go uuto thy duty; peradventure the billet falleth again.

The wiugs of a guat flap 900,000 times in a minute, to produce the sound that heralds his coming.

The latter part of a wise man's life is takeu \(p\) in curing the follies, prejudices and false opinions he had contracted in the former:


\section*{Fhade Island}

\section*{W.}

\section*{}
mead's patent conical plows, garden barrows,
Chase's two horse potatoe diggers, store trucks,

\section*{inproved hinged harrows, cultivators}
road Sorapers, ox Yokes, and plow Castings;

\section*{And Wholesale Dealers in}
\(=5=5\)

\section*{And Agents for}

Ciffen's, Union and Perry' mowing machines,
\(\qquad\)

Marcl \(23,1867\).
Providence, R. I.
W.
ow offer at tbe Lowest olsu pries


\section*{SheepWash Pobacco}


\(\qquad\)
Late Wbit
«. Haris
Seed Pera
Seed Peas.
R.I. White
London Hort
Buckwbeat



32 canal street, 32 .
Marcin 93 , 1867. Provinesos. wett




\section*{Apri1 13, 1887}







3arch 22,1867

Tassachusetts.
CoLlins, bliss \& Co.,
Produce ani commission merchants
cabir adtanors made on consignments.
233 state Street, and lon Central Street, Boston.
New England Agents for the

FULLY UP TO THE STANDARD, IN QUALITY,
EB Farmers, wben purcbasing, would do well to get the
RHODES, SUPER PHOSPHATE.

It is claimed that thlis Fertlizer is superior to any in the mar-
ket, its virtues and merits over others being to prevent all inRHODES, SUPER PHOSPHATE.
YARNALL \& TRIMBLE,
General Agents for Pennsylvana, New Jersey and Delaware. \(\left.\begin{array}{l}418 \text { Sounth Wbarres, } \\ 419 \text { Penn. Street, }\end{array}\right\}\) PHILADELPHIA.
Marcb 23, 1867.


The Farm and Firrside is devoted to Agriculture, Horticulture, Stock-Raising, Rural Architecture, Market Intelligence, Literature and the Arts. It has a corps of agricultural writers of reputation, and the aim of the Publisher will he to make a jourual eninently practical, aud of cvery-day value to its readers. The Literary Department is intended to instruct and amuse thc farmer's better half and his childyen. Nothiug will be puhlished offensive to good morals. In all its columus this journal will advocate the best interests of the farn and fireside. Tcrms- \(\$ 2,00\) per year, in adrance. Single copy 5 cents.


\section*{ALDERNEY CATTLE.}

Writen for the Yarm and Fireslde
by craic bidnle, esq., pimladelphia.
Trie cattle bearing this name come from the islands of Alderney, Guernsey and Jersey. These islands are in the English Channel, very near to the eoast of Franee, muel nearer than to England, yet they heloug to the latter power. When Willian the Conqueror gaiued the erown of England hy his victory over Kin Harold, at Hastiugs, he was Duke of Nor mandy, in France, and sovereign of that pro vince. The eonsequence of his becoming King of England was, that Normaudy formed a part of the British Dominions, aud these islands on the Norman coast, being part of William's territory, beeame English property at the same time. They have continued so ever since, although when Normandy wa taken by France great efforts were made to obtain then also. They have never lost eu tirely their original language, or changed certain peculiarities in their mode of governmeut, and in their laws derived from their Norman ancestors. Alderney is the smallest island of the three, not being over cight miles in eireuraference, and containing little over a thousand iukabitants. Jersey is the largest, containing about thirty-nine thousaud acres of land, and sixty thousand inhabit:nts. Guernsey has about sixteen thousand acres, with a popula tion in 15.92 of thirty thousand.
Why the cattle should have taken their name from the smallest of these islands, which does not contain a hundred cows, is not rery clear. In some of the Eastern States of our own country, they have been called after the island which exports the largest number of

\begin{abstract}
Ithem, and are known as "Jerseys." This The lince of be:uty, in a breed of cattle dechange confounds them with the cattle of Now signed to fatten, may he preserved; lut when Jersey, and we here retain the origimal name. Whether the cattle of all these islands are of the same origin is a matter of great discussion, and the islanders themselves are so jealous of We merits of their respective rattle that they would amost believe that there was a difteren kept distinct umil landed on their ishmel. There is a diflerence in the eattle of ench sland, but it is readily :accomed for lyy differ ence in loeality, diference of foul and care in oreceding.
Jersey, as we have said, is the principa island, aud has a reey extensive commere with all parts of the world. Amoner its exports, eattle form a considerable portion, and are theretore much better linown to jobher than the cattle of the andiacent islands. Grent eare is taken ly 1lue exporters 10 kce b b hem ul to a certain "taney" standard in their appearance. It a heifirs lums grow wikl, which they are sometimes att 10 do, they have an instrument for serewiner tiam into a handsome shape. Then there are certain colors more or less fishionalle. At one tine " mouse" coly is the prevailing taste; at another, some other color is in the ascendiut. Their heanty has heen improved undoubtedy, that is, if a grace ful figure, delicate limhe, and very thin shin is beauty in a milci cow. The Crucrnsey penple, uot lreedirg so much for sale, believe that - hendsome is as lamindsome dous." They do not breed their unimals so fine, nor care so much about points of mere fancy. They have cases in Jorsey; and thoy have all the marks
generally of littlc ralue. No one, however, (in ever have possessed a good Alderuey cow without discorering the superiority of the richness of her milli. She may not come up to the wouderful stories that are sometimes told of these cattle, but her eream will make butter richer, quieker, and in larger proportiou thau any ohler cattle.
Mr. Colemau, in his " \(A\) grieulture," in which lie gives the result of his European expericnce says that at a farm he risited near Liverpool, they bad tested the milk of some breeds in point of richuess of cream, with the following

Yorkshire and common cows at 8 per ct . Ayreshire,
Ailderuey,
In the journal of the Royal Agrieultural Soiety, rolume 2nd, page 420, we have the reult of a comparison with a Kerry cow, tested
itlia luctometer':
May, Alderncs, .........25 Kerry, June,
July,
August, \(\begin{array}{ll}20 & \text { " } \\ 23 \\ 16 & \text { " }\end{array}\) 10
10
-
quarts of Aldemey cream gare one pound ight ounces of butter-of the Kerry, one pound, four and one-halt ouvees. The falling off in the Alderney was attrihuted to her haring cast her calf, and being old in milk, while lhe Kerty was fresh.
These cattle are well adapted to this eountry. They have been lired in the neighborhood of Philadelphia, continuously, since the ycar 1840. There had beeu an oceasional inportation of is single cow before that period, but at that time, through the efforts of the late Nicholas Biddle, they were brought into general notice. Biddle, they were brought into general notice.
IIe, and after him, Mr. Philip Physick, were He, and after him, Mr. Philip Physick, were
the owners of stoek which subsequent impor-
\end{abstract}

The Farv and Firbside is devoted to Agriculthre, Homiculture, Stock-Raising, Rural Arehitecture, Market Intelligence, Literature and the Arts It has a corps of agricultural writers of reputation, and the nim of the Pabisher will be to make a journal eminently practicul, aud of every-day value to its readers. The Literary Department is intended to instrnet ath amme the farmer's better half and his children. Nothing will he published offensive to good morals. In all its columas this journal will adroen! the best interests of the farm and fircside. Terms-s:, on 1 ,er year, in advance. Single copy 5 cents.

The Farm and Fiveside.


Thus the cross with the Alderney stock showed only three parts less of butter than the thorough bred; and forty-six parts more than that of other fine stoek.
Mr. Jolin R. Penrose, whose farm is in Ches ter County, Pa., states in Morris' Rural Register, that a grade Alderney of his, from a mo-
ther of uo merit, gave hefore she was two years old, eight and a lalf pounds of butter in seven days. After her second calf, in four teen milkings she made sixteen pounds and one ounce. She was again tried, and with extra feeding made in seven milkings, or three and a half days, nine pounds, scant one ounce,
I have no doubt that hy judicious crossing we can produce here, the very finest stock o dairy cattle. Their milk may not be quite so
rich as that from the pure animal, but it can rich as that from the pure animal, but it can
he very much increased in quantity, so as to fully make up the difference. In most cases, the large yield quoted in this country, as from Alderney cattle, is due to a cross on some fine milking stock. The three quarter and seven eighths bred cattle, are often very landsome,
and cannot be told from the thorough-bred. In fact, they will always take the premium over the thorough-breds among judges ac quainted with other stock, but of no experi ence in this. The fancier of "short horns," or "Devous," or "Herefords," will vote for the cow with the roundest form and landsom cst slape
The Alderneys are extremely precocious. have known them giving milk at one year and
two weeks old, and at thirteen and fourteen months old, repeatedly. In fact, it requires great care to prevent their becoming with cal at four or five months old, if allowed to run
with the herd. You cannot make farmers be leve this, yet it generally happens, It is not
judicious to allow them to calve so young. If they drop their calf when two years old, the nilking qualities will he sufficiently developed without interfering injuriously with their growth. I have delayed their calving until hree years of age, but found that while I had much fater animal, it was obtained at the expense of milking oualities. Somewhat, of course, depends on thc calf, it may he so wcll grown and thrifty, as to justify a little earlier "eoming into profit;
cause be a little backward, so as to require month or so of delay ; hut I thiuk as a gen eral rule two years is ahout the right age for his locality.
They kcep in profit many ycars. I have geuerally found it paid to keep on milkiug hem until sixteen years of age. Of course, u this ealculation, the value of the calvcs ken into eonsideration.
They rarely run dry, hut can be milked from he time they ealve till they calve again. It is well, however, for the sake of the calf, to let
them go dry a month hefore calving. This, n cows well kept, is ample. Those who hav had a struggle with life to get through the Winter may require a longer time to recuperate. If they are ohliged to build up their own system, as well as that of their young, it may be necessary to make no other demands on lem. For a fell fed animal, that is, an ani mal always kept in good condition, which soould he the case with milkiug cattle, nonth is quite sufficient. There is no lahit nore important to impress upon cattle than that of continuous milking. In many cases the fault of a cow going dry, after five or six nonths milking, lies at the door of the person who milks her. All cows will not milk equally long; but the length to which any cow will give milk can undoubtedly he ex tended by judicious and persistent milking. An unskillful hand will often dry up a eow by ot milking perfeetly elean, in an extraord uary slort period. The process of nature is oo exact to allow anything to be wasted, an what is not demanded of her soon ceases to be supplied.
The French system of very minnte divisions of land prevails in the Clannel Islands, and the farms vary in size from one acre up to ten or twelve acres of land. The cattle are not allow ed to roam like ours, but are "tethered" to a
stake driven into the ground, which is moved as necessity requires. The bulls are kept con stantly stabled, and are generally slaughtered when three years of age.
I lave, I think, toucled upon all the points in regard to these cattle likely to interest the readers of the Farm and Fireside. I have endeavored neither to exaggeratc their merits nor to conceal their faults. Of the cattle from the
three islands, I, myself, prefer the Guernsey, They are very much less known than the Jer seys, which are exported every where by professional dealers, who buy the cheapest aninals they cau. Many of them are utterly There are fine eattle in Jersey, and very fine cattle lave been imported from that island into his country. Perhaps, after all, the difference etween the animals from the three islands de pends more on the differcnce between the indi viduals of the raee, than the race itself. Tha to say, if one is fortunate enough to have one or tno good cows from Jersey, he is apt to
think they must have the best cows on that island; ou the other hand, if he has Guernsey cows which satisfy him, he thinks that is the true home of the animal. Be it as it may, it is very certain that a good cow from any one he islands canuot fail to give satisfaction.
Mr. Henry D. Inglis, in his work on Channellislands, where he spent two years, say of the Jersey butter, "it is not superior to tha of the best English dairies; the superiority the Guernsey hutter I fully admit. I do not know that I lave ever seen such butter as is in end to account for, as it may he attributed to various causes; the Guernsey people of course give the credit to their cows.

What I lave said of these cattle, it is per haps proper to state, is founded upou a trial o May, 1867

\section*{Crape Culture.}

We give additional extracts from the 'Transactions of the Rlode Island Society or the Encouragement of Domestic Industry

\section*{the year 1866.":}

\section*{sparkling hock and moselle wines.}

July 2nd, 1866.
My dear Sir:-
A day's recreation, preparatory to the enjoy ment of the calm, quiet, noiseless (?) celebra tion of our uational holiday, affords me the opportunity of executing my threatened sec ond intrusion upon your attention, by a cou tinuance of the account of the manufacture o the Rhine Wincs. And, for variety sake, shall send you a German trauslation of a puhlished account oí the cstahlishment of Mr. Cur. Adv. Kupferberg of Mayence. I have not vividy in memory the communication
upon Mr. Henry Pabstman's Hockheimcr vincyards, etc., but in them, I think, I made refe rence to Mr. Kupferberg, as being one of the most intelligent, courteous, and highly spectable merchants of Mayence.
In his wine vaults, (at the time of my being with him in October, 1865,) he had six hundred thousand bottles of sparkling Hock and Moselle wines, (hesidcs a large quantity in ood,) of various grades and value, hut none of an inferior quality. His wines lave a mos extended and honorahle reputation; his husiness hut more particularly with England, where he has establisled a branch of his house. Ho had quite an extended corres and mentioned the names of many of the New York merclants, as well as those of the other large eities. In referring to the action of the Col lector of customs at San Francisco, in reference to Mr. Pahstmann's Hockheimer wines, he said he could not but admit that the immense frauds upon our revenue, by the im picion as to the importations of wines from other countries, and stated that the amount of claims our government had made upon the manufacturers and importers of Champagne wines, through their agents in this country,
present and retrospectively, amounted to the present and retrospectively, amounted to the
sum of \(\$ 1,750,000\) for the past six years; the result of which had been the almost total an nihilation of the importation of the pure wines of well known and responsible wine growers In reference to his owu productions, he said ris greatest ohstaele in the prosecution of his business, was, (as that of his friend and neiglbor, Mr. Pabstmann,) in the putting on the different foreign markets for sale and competition, wines produced in the same region of country, which, as the productions of poorly cultivated vineyards, aud the most inferior qualities were sold properly perhaps, as the Fines of those districts, yet were of so inferio value, as to force from the markets the higher but of the most superior qualities and value It was not as amusing as instructive to hear the discussions and experience of these intelligent, responsible manufacturers upon the enormous frauds practiced upon communities everywhere, (but especially in the United States, in these transactions of inferior wines
by unprincipled meu, through the easy credulity of pretended connoisseurs and dealers. The knowledge and discrimination necessary to a recognition and appreciation of the higher grades of wines was the result of investigations, and familiarity of causes and effects, which an extended experience and observation could alone acquire
It was a conviction of the correctness of Prof. Engelbaclr's (at Giessen,) assertion that counterfeita a whose fragrance could not he chemically pro-
duced, and in corroboration of which, we tasted liquors of each peeuliar flavor; smel of perfumes identical with the most familia flowers, but all of which had never passed the threshold of his lahoratory
On the left bank of the German river Rhine, not far from the health-giving mineral source of the town of Wiesbaden, in sight of the vineyards of Hockheim, where the celebrated wine grows, there lies the time-honored town of Mayence, rich in recollections that date far hack to the Roman epoeh, well known by the industry of her citizens, who once counted among their eompatriots the benefactor of humanity, John Gutenberg, the iuventor of the prinitng press. At present Mayence is the chief seat im Rhine wine, the most importan hranch of which trade, viz: the manufacture of sparkling Hock, las reached a high degree of development in that very town. Whilst but a few score of years ago the preparation or sparkling wine had been monopolized hy the French in the Champagne, it is pleasing to see
that industry transplanted now to the vinethat industry transplanted now to the vine covered bauks of the Rline, and to notice the extraordinary impetus whieh it las acquired in recent times. Among the several large cstablishments for the preparation of sparklin wines on the Rhine, that of Mr. Chr. Ad Kupferberg in Mayence excels pre-eminently

The establishment is situated on the terrace south of the Rline. The picturesque view finest terrace presents, renders it oue of th finest points of the Rhenish region,

> Here the wine is firs tched up in casks hy means of a large crane fiom the depths of the cellars in order to be mmediately filled into the bottles, which d ectly afterwards are corked carefully, tied and closed tightly with wire. The hottles that
have been filled are then piled up in large heaps in a horizontal position; fermentatio then gradually takes place in the wine, carhon ic gas being formed and uniting with the wine When this fermentation sets in with violence, the wine bursts its prisou witls a loud report aud woe to the by-standing workman, if b moments when the fragments of the broken bottle are hurled into his face. The cellars, that almost form a lahyrinth doubly vaulted one over the other, are provided everywher with running water and a systematic rentilation, and almost magically lighted with gas We may not here still a few faets worthy of remark. Afte
fermentation of the wine has been completed in the hottles, the dregs settle, promoted through the frequent shaking of the bottles, which are now hrought into a more upright position. Then another important operation follows, which is called the disgorging process, and which eonsists iu the expulsion of the sediment througls a rapid opening of the ho tles. To the wine, thus completely clcared \(h\) this manipulation, there is now added, by the ingredient in the shape of liquor, i. e. a unio of sugar dissolved in wine with cognac. This addition is made in such a manner as to agre with the taste of the different countries and the requirements of the various climates. Tli wine, it is true, is now perfectly prepared in the bottle; yet the latter has still to pas through many hands before it is iu a fit condition for exportation. The workman, with the aid of a machine which works with great precisiou, closes the bottles with a cork which hears on the lower side the mark of the wine manufacturer, whilst another workman bind twith strings, and a third one fastens it with wire. Other hands provide the bottles with tinfoil and labels, wrap it up in paper, and complete its outer appearance. For exporta
tion the bottles are lastly stuck into straw en velopes and packed up in boxes

Elisifa Dxer.
Thir best preventive for mildew in grapes mission of ligs and cultivan, and the ad especially liable to attacks of mildew.

The Farm and Firesine
rary bandage upon their clieese while curing It is a stout linen eloth, which is drawn tightitly alhout the cheese as it comes into the press.
Some lave eyclet holes worked into the ends of the bandage, and it is secured tightly ahou the eheese lyy being laced up. These ban dages are always removed when the cheese is sent to market.
The Cheddar dairymen nse nothing upon the rind of the cheese for the purpose ot hardening it. The salting is done in the cord, and the cheese goes to the curing room, and with the exception of bandaging does not, in curing, undergo any process materially different from the practice at American factorics. There are other deseriptions of Englishl cheese whicla are not salted in the curd, but receive the salt from the outside by rubbing it in with the hands.
Small cheeses are sometimes dipped, soon
after coming from the press, into scalding after coming from the press, into scalding rind.
Dipping the checse several times into wood ashes lye, we have hicen tolld, would give a rind inpervions to flies, but we never saw the process put iu operation.
The dark eolor sometimes seen upon English cheese, referred to by our correspondent, is madc from a kind of paint of Indian red, or Spanish brown and beer. It is rubbed on with a woolen cloth. As sumy as the state of the paint will permit, the edges and sides of the cheese are rubbed hard with a cloth at least once a week
Dntch cleeses are colored with a preparation of tournesol, extracted from a plant that grows wild in France in great abnadance (croton (tinctorium). The paints are ground in a mill, the juice pressed ont, and into this old hempen rags are thrown until soaked fall, when they are hnng ap to dry. They are then exposed to the vapor of lime, dissolved in nrine, which gives them a violet color. Quite a commerce is carried on between France and Holland in these rag. The clieese is rubbed over with these rags, which gives them a dark red color. It is said the tournesol preparation has the virtne of preserying the chcese against the attaek of insects. The coloriug matter does not penetrate the cheese, bnt remains only on the rind.
A color may be obtained from pure annetto cot with potash. We cannot see any good resulting from these preparations. They certainly do not improve the Havor or quality of the cheese. Nor can we see why checse painted up in this way should command better sales, hint it seems they do in some markets,
and if the people will have them and are willing to pay for them, we suppose dairymen must conform to the requirements of the trade."

Underdbaning Land.-Experiments in nnderdraining land were made in Scotland last year for the purpose of determining the effect on the temperature of the soil, compared with
that in the same vicinity which was not drained. The result was that the draining raised the temperature 1.5 degrees, eqnal to a removal of the land from one hnndred to one houndred and fifty miles South. This is an important consideration connected with compact, heary soils, whose retentiveness of water ren-
ders them cold, and conparatively inert with ders them cold, and conparatively incrt with
respect to vegetation. Draining land invol es considerable expense, but its increased productiveness som repays this, besides assuring increased profits for the fnture.

Sharing in Rothschuld's Fortuxe.-Dirng the stormy liays of 1848, two stalwart mobocrats entered the bank of the late Baron Anselm Rothsclild, at Framkfort.
have millions," said they to him, "and we have nothing; you mast divide with us." "Very well; what do you snppose the firm of Rothschild is worth?" "About forty millions of florins." "Forty millions, you think, ch? Now, then, there are forty millions of people in Germany; that will he a fiorin a piece. Here's yours."
Freit in Northern Indiana has been injured by frost. Strawherries, grapes and currants

\section*{want of decision.}

A cirest deal of labor is lost to the world for the want of a little courage. Every day sends to their graves a numher of obscure men, who have only remained in obscurity because their fimidity has prevented them from making a frrst effort, and who, if they had only been ingone great lengths in the carecr of fame. The fact is, that in doing anything in the world worth doing, we mast not stand slivering on the bank, thinking of the cold and danger, but jump in and scramble through as well as we can. It will not do to he perpetnally calculat ing risks and adjusting niee elianees; it did all
very well hefore the flood, when a man could consult his friends upon an intended pullica tion for a hundred and fifty years, and live to see its snceess for six or seven centuries afterward; but at present a man waits and doubts, and consults his lurothers, and his uncles, and his particular friends, till one day he finds that he is sixty-five years of age, and that he has lost so much time in consulting first eonsins and particnlar friends, that he has no more time to follow their advice. There is so little time for over-squeamishness at present, that the opportunity slips a way. The very period of life at Thiel a man chooses to venture, if ever, is so confined, that it is no had rule to preach nu the necessity, in such instances, of a little vio-
lence done to the feelings, and efforts made in defiance of strict and sober calculations.-Sid ney Smith.

\section*{NAPOLEON IN POVERTY}

The following original letter, written by the founder of the Napoleonic dynasty to Talma long before he was Napoleon the First, is pub lished in a London joumal :
" Mon Cher Talma-I have fought like a lion for the Repullic. But, my good friend Talma, as my reward I am left to die with hnnger. I am at the end of all my resources. That miscrable fellow Aubry (then Minister of War) leaves me in the mire when he might do something for me. I feel that I have the power of cloing more than Geus. Santerre and Rossignot, and yet they cannot find a corner for me La Ventee or elsewhere, to give me enn ployment. You are happy; your repntation
depends upon yourself alone Two depends upon yourself alone. Two hours public, whence boards bring you betore the us soldiers, we are torced to pay dearly for fame upon an extensive stage, and, after all, we are not allowed to attain it. Thercfore do not regret the path yon have chosen. Remain upon your theatee. Who knows if I shall cyer appear again upon mine. I have seen Manvel (a distingnislled comedian); he is a tine friend. Barras, President of the Directory makes fine pronises, hat will he keep them? I donbt it. In the meantime, I am redueed to my last
son. Have you a few crowns to spare me? I will not refuse them, and promise to repay you ont of the first kingdom I win by my
sword. How happy were the heroes of Ariosto; they had not to depend upon a Ministe of War. Adien.

A Friendey Horsr.-A few days sincc, a we were leaving our residence on our usual rorning visit to the office, a sorrel horee belonging to us galloped ap and caught our arm, and made an atterapt to poll us in tbe direction
he wished to go. He tben lcft, and went ofl in a quick gait towards a pasture on a farm abont a quarter of a mile distant from our residenec. In a few miuntes he approached is again, making an unusual noise and seemed by his actions to desire ns to follow him. This we did, and when we reached the pastnre we
observed the mate of the horse entangled in a bridge which had broken throngh with him. After we had extricated his companion from dhis dangerons position, the horse which had given us notice of his companion's danger, came up and rubbed his head against us, show ing great signs of satisfaction.-Christian \(A d-\)
rocate.

\section*{the crops in delaware.}

Cons, wheat and peaches are our chicf staples; and a grod crop of all is the farmer's
heiglt offortune-the failure of all, his extreme lad luck.
The last Winter, and the present Spring, have both heen remarkable. During the former, nore snow fell, and remained on the ground, than had heen known for many years; and the
latter las been equally distinguisleed for its nany cold and long continned rain-storms, To these there secms no end; excn at the present time, May 18, half the corn is not planted; and unany fields that in former \(y\) cars, at this season, w
soaking in water:
Notwithstanding all this, the wheat looks ery well, and promises an early suld execllent harvest. Of course, this mast he restricted to
the lighl land; for oll low, springy or marshy places, the water has almost ruined the crop But, as this low land is not often sown in wheat, the injory will be but slight eompared with whole hreadth in.
The peach crop is also promising; and alhough at this carly day we eannot speak with certainty, we still hope to supply Pliliadelphia, New York and the Eastern markets with an abundance of this luscions fruit. The exeepion to the general yield will be fornd alons he Bay shores of the State, where the orchards have heen most exposed to the bleak, piercing
Delaware. Torth Eastern winds.

\section*{time passing.}

Have you ever seen those marble statues in some pullic square or garden, whicla art has so inished witb a peremnial fountain, that through he lips or througb the hands, qear water flows in a perpetual stream, on, on, on forever; and the marble stands there-passive, cold, making
no effort to arrest the gliding water? It is so hat time flows throngh the liands of men, swift, never pausing till it has run itselfout ; and there the man, petrified into a marlle sleep, not It is so, just so, that the destiny of nine men ont of ten aecomplishes itself, slipping arway from them, aimless, useless, till it is too late. And we are asked, with all the solemn ernity what erowd around on approaching we intend it shall he? Yesterday, last week, ast year-they are gonc. Yesterday, for exmple, was such a day as never was hefore, and rity it sank again forever. It had a woice calling to us of its own. Its own work, its own whiling a way the time in idleness and luxurious litcratnre-not as life's relaxation, but as life's nsiness-thrilling onr heart with the excitenent of life-cousidering how to spend the clay
nost pleasantly? Was that our duty? Sleep, bethren ; all that is hant slecp. And now, let us remember this, there is a day coming when that sleep will he rndely broken, with a shock: there is a day in onr future lives when our ime will be counted, not by years, not by months, nor yet by hours, but by minutes, the
day when unmistakable symptoms shall announce that the messengers of death slall have eome to takc us.
Batios for Aymais.-Dr. Charles Shepard, one of the founders of the Turkisla bath in narkahle fucts and experiences of the Turkish batlo in Europe. In Ireland, for instance, Were the bath has made a great progress, here is an estate-owner who has Turkish baths or his loorses and cattle. Herein he has saved the life of more than one of his valnable horses, having cured one of the lockjarv. atheir lives. One calt was piven orer to die by the herdsman, bnt loy his direction was earried througl the bath to a complete recorry ; " and when I was there," says the doetor, "it was the finest looking cow in the field. I
also had the pleasure of seeing his favorite pony take a bath."

Pride. - Well-tempered pride is the best feeling of our nature. It is as far from vanity as the antipodes. The one concentrates onr powers and collects ns in our strength like a colossus. The other dissipates ittelf in catcling the gaze of othcrs, and throws out its seducing trieks like the flimsy
 The vain man creeps and flutters-now a caterpillar in the dirt, and then a painted moth lumming around the light, harring himself in the fane and finally dying in the stench of his own worthlessness.- \(J\). G. Percieal. Smen


\section*{}

ANSWERS TO CORRESPONDENTS
J. A. P."-You are in part right, only it is the Black Mulberry (morus nigra) that is so
extensively cultivated in Europe. It can be propagated hy cutiugs. North of New York its cultivation is not successful, except in very warm, shetered situations.
"N. C.," Providence, R. I.-You say you ave a large tunk filled with urine and sinkdrain water, and desire to "fix" the ammonia betore applying the mieture to grass and strawberries. This may be done hy sucla absorhents as suw-dust or charcoal dust. Plaster of paris thrown into the tank will cause the formation
of sulphate of ammonia, which will not evapof sulp
"Constant Reader." - Your qucry is a singuar oue. We have hearl it stated that cows fed on shorts are never caught chewing hones or old leather.

Stranberar Beds. -The necessity of renelvlug strawherry beds every two years has heen a drawhack to their eultivation with some peoplc. Every seasou the strawberry plant makes new set of roots, each higher up than those of the precediug year, which limits its productiveness to one or two seasons. Mr. John Dingwall says, in the Country Gentleman, that he prolongs their produetiveness by the followiug method:
"After the fruit has been gathered, take good, rich eompost, and lay it in around the plants, to the depth of oue iach or one ineh and is half-thus you bring up your soil to mret the wants of the plants, and continue their productiveness for a number of years longer. This 1 have proven from experience,
and have found it very satisfactory. It would be equally advantageous whether grown in hills or in rows."
The suggestion is certaiuly worthy of at tention.
Inyperoritionl. - The question is raised as to whether bees do not iujure frnit by sapping the blossom. The city couucil of Madison, Indiaua, passed an ordinanee last year, excludiug bees from the city limits-that is, prohibiting the keeping of them-uuder the impression that they were injurious to fruit. The great clay-fish burrowiug in the levees of the Mississippi, eauses the fearful ere vasse ; and bees may earry away a large aggregate of saccharine matter on their thighs. But to pass an ordicance to deny them "the freclom of a city, seems to us to be hypereritical.
tis One J. Payne Lowe, (how much loncer than ordinary men we eanuot say), has started a monthly farm journal in New York, and has stolen the name of our journal. We admire his taste, hut not his dishonesty. The title "Faram and Fireside," was copy-righted by "Farm and Flres
us in January last.
Tare Grain Tracie of America secmins now completely reversed. Fornicly the Western States fed the Atlantic seaboard and exported
large quantities of grain to Europe and Califorlarge quantities of grain to Europe and California. Now the United States receives supplies from both Europe and California, and recorded that European wheat imported into New York is being slipped from that city to the West. Last year Illinois growers had hard work to get forty-fire eents a hushel; now they have to pay abont seven times that sum

Tire Sorer Fork.-This is the name given o a new fork designed for nnloading hay and grain. Is is light and compact in its arrangement; is made of the hest steel; has no spriugs or delicate appendages to wear out; unloads itself instantly at the desired point, and is operaled with the greatest ease. We have seen it in operation and eonsider it the best invention of the kind yet offered to the publie. Franeiseo M. Ballou has bought the right for Providence eounty, in this State.

Tine Cattle Plagte (rinder pest) is reported
o have broken out again in several eountics in England.
recent fall of manna in asia minos. A vorier of the apperance of a large guan lity of manna, near Diarleckion
was published regarding the nature of this substanece regarding the nature of this substunce. Thero
can he little doubt that it is a species of lichen, can he little douht that it is a
which, like a fuugus or toad-
a single nicht ; and thas gives springs ap notion that it falls from the skics.
Tlis manna is ground into flour and baked into bread, and bears the Turkish name of Kudert-bogh-dasi, which mcaus " wonder-corn or grain." Thongh used as bread, its compo sition is remarkable ; for it contains more tha 65 per cent. of oxalate of lime; aud has abou 25 per cent. of amylaceous, or starell like mat er. This substance is evidently the manna on the Iebrews, who gave it the name of man-hu, which signities "what is it?"-from the cumstance of its sudden alppearauce aud uiei previous waut of fumiliarity with it
The above supposed fall of manna and the ral appearauce of that substanee on the 6! July, of last ycar, is well autheuticated in a letter hy M. Hardiuger to sir. Roderick Mur
ehison, the distiuguished English Geologist.

\section*{mintature steam engines.}

Who says science is not brought down
the level of the common miud, and to the pocket of the least endowed with the pecut
niary? Among the recent aunouneements iu a London magazine is "The Little Mfareli; parlor Steam Eugine, price one shilling-or, post free, 16 stamps" ( 32 cents). A steaun ent
gine for a shilling stertiug! So enormous, it is said, is the demand for this litile engiue, that all the skilled workmen that eau be engaged, not only iu England, but on the contiuent, are euployed upon it. The advertisement au
nouncing it has, of course ite nouncing it has, of course, its usual testimo
nials from "distinguished mon of scieuce, who commend it as a highly instructive scien (ifie toy which no boy iu Eagland should be without! And no boy in America, we faney would long be without it, could it be purclased for a quarter! Think of it, young Auncrica four steant engines for a dowar! Sure your one of you may run his own engine oa an road he pleases, hecdless of opposition, reck-
less of collisions or explosions, and regardless of expense and no-body hurt! Who will sup ply our school-boys with the "Little Marvel," in the memory of young and emba

\section*{OUR BOOE TEBLE.}

Amerean Ponology. Apples. By Dr. Johu A. Waruer. \(\quad 750\) pages, 293 illustrations.
Price si.00. New York: Orange Judd \& Co., Publishers
This is a valuable addition to pomological iterature, written by a gentleman who has for years devoted his attention to the subject.Ouc half of the work is devoted to the discns nursery culture, selection and planting, eultiration of orchards, care of fruit, insects, and the like: the remainder is occupied with dcs criptions of apples. This differs from any frui hook heretofore pullished in this eountry, in
its complete classification of apples. The its complcte classification of apples. The
author gives the principal European systems and modestly puts forth his own to be tcsted hy practiee. He divides apples into four classes , aeeordiug to their forms. Each of thes classes is sub-divided by other obvious charac ed in tie book might be easily identified.

Wator the Apple Treees.-This is just he time for farmers and fruit eultivators to carefully examine their apple trecs for th worms that are preparing for a rigorous Sum-
mer eampaign. A few hours lahor now; while the worms are young and small, and just a they are preparing their nests, will be of great advantage to the trecs, and will, perhaps, sare roraeious enemies.
WEST JERSET FROIT GROWERS' ASSOCLA-
TIIN.
Tun future of New Jersey, us a fruit produc- Thes future of New Jerser, as a fruit produc-
iny. state, is partially loreshadowed by the Fourth Amnual Recport of the West Jermey
Growers' Association-for a cony of which we
arc indelted to William Parry of CimaninThe locality ef hiew Jersey, lying hetween wo of the largest commercial cities of this country, is or great inportance, as fruit can also commands the markets of New York and
Plididelphia. Nature has done nucla for hat State; giviug her a soil admirably :ulupted to
smrall fruit-a saudy loam-which, with pecuhest fruil sections of the country. Marl, a through several of its Southern counties; and his has contributed vastly to the lertiity and The Report, before us, is worthy of publiation in our colunns, furnishing iuformation to fruit culturists of considerable value; illus-
trating the advantages of intellige tical culture: exhibiting the skill and industry at tew enterprisiug gentlemen, and showing his Sockety. From its statistics we learn that uoshels, which yielded \(814 \overline{5}, 164,61\). That is ally as last season was far from an atherada one 690 worth of 1rnit-cultivated and grown in hills, which is becomiug the popular methord
cultivation with some yarietics. The genebeds of from three to to ur feet in widh, with
ows of plants oue foo apart. The varieties were the Downer, French, Albany, Agricul
turist and Cutter. (Our preference tor produciveness, and general marketahle quality, is
he Albany.)
Raspherries do well on nearly all soils, and re upwards of bofaces in eultivation in tive
\(\qquad\) The varicties are the Doohttle, Blackcap, Pur le Caue, and the Philadelphia. Blackherries are given much attention; upwards of 700
acres are iu cuhivation. Last season the price creaged 86,12 per hushel; the entire crop of
cren townships netted \(563,793,6 \theta\). The Luwton variety has heen the favorite, hut is not so
carly as some others. The New Rochelle, Dorchester and the Kittatinny are favorahly spoken of. Of eurrants, the Red Dutch,
Cherry and La Versailaise are pronouuced lardy, prolifie and profitahle. Nearly all cooseberrics mildew except Houghton's Seedtions. People wishing to kuow something bout grape feilures sloould read the valuable articles written for the Firm and Fireside by
our special eontributors. They, like ontselves, helieve the puhlic has been swindled and led cormorants. Our advice is to cultivate netive varietics: leariug
This report concludes with statemeuts rela ire to apple, pear, peach, cherry aut runince cty; also as regards the ripening, harvesting raluable and practical.

Farmeris Boller. - William A. Hennesey ale's "Agrieultural Caldron and Steauner," for coking food for stock. It is highly reeom-

The natioual trial of Agricultural implement:, whieh was to have taken place at Utica, il Autumu. The ground was too wet to afforl a fine trial of plouglas

A Toad Uxdressino. - Audabon relates that he once sarr a toad undressing himself. Me commenecd by pressing his elluows hard against his sides and rubbing dowuwards. After a few smart rubs, his hide began to burst open along his back. He kept on rubbing until he worked all his skin into folds on his sides and liips; then grasping one hind leg with both his hands, he hauled off one leg of his pants the same as anyhody would, then stripped off the othcr hind leg in the same way. He then took his east he skin of off his skin underneath until it eame to his forelegs, then grasping one of ing and dowering his head, swallowing it as hit head eame hat, and while swallowing, he drew it from the neck and swallowed the whole.
\(\rightarrow\)

\section*{Tireside Trale．}

THE SECRET ROON．

It was midsumner－hot，arid midstmmer， Our regiment was stationed at the town of
N－I had grown intensely weary of the idle，iuactive life we were leading．The day had become alnost insufferably long and drea ry；a feeling of ennui and restlessuess took possession of me，and I sighed for green uendows，shady laues，and the cool murmur
of rivulets．Leave of absence was easily oh－ of rivulets．Leave of absence
tained；hut，where should I go？
I more forcihly realized than ever beforc my isolated life．I was alone in the world．No kindred to extend to me the kindly hand of greeting－no home to which my steps might turn．I had formed but ferv friendships among my companions，for I had but little in common with their levity aud gayety．
It was at this time that I opportunely re－ ceived a letter froun an old triend of my father＇s， residiug in the wild and romantic district of West Carbury，in the Southern part of Ireland． He wrote，hegging me to pay him a visit，say－ ing that nothing woulci give him greater plea－ sure than to welcome the son of his lighly e tecmed friend to his heart and home．

I coufess to the weakness of a slight moisture in my cyes upon the perusal of this affectiouate epistle．Those who are surrounded by myriads of tried aud true friends may smile at this un－ mauly unaifestation；hut others in similar cir－ cunstances will nnderstand the tidc of ieeliug that ruslied to my heart，warming it to the world aud my fellow－men．
My preparations were soon completed，aud with a huoyancy of spirit，to which I had loug beeu a stranger，I starteci on my joumey． Wheu I reached my destination，I could scarce
ideutify mysclf with the gloomy，morbid heing ideutify mysclf with t
of a short time back．

\section*{of a sloort time back．}

As the carriage rolled slowly up the avenue， I had ample opportunity of taking a survey of the premises．
Glenruc was a large rambling mansiou，seem－ ingly mauy ceuturies old．The right wiug only was inhabited，the left bcing much de－
cayed and corercd with the green，clingiug ivy． The lawn was closely shaven and adorned with shrubhery．

Mr．Glenn stood in the open doolway，and in a few moments I was folded in his fatherly emhrace．

God hless you，my boy！＂he said，iu a tone full of emotion，＂yon are heartily welcome， and we will clo cverything in our power to con－ tribute to your pleasurc during your stay．I
tinued，＂and leave you to make preparations for dinner．We dine precisely at three，heiug too unfashionahle for your late English din－

Alas！If he had foreseen the sorrow and misery that my coming brought，would not his blessing have heen turned into a curse，and he soouer seen me fall dead at his feet than to have crossed his threshold？But I am antici－ pating．My room was cool and comurodious， and afforded a fine view of the distant moun－ tains，clearly defined against the deep hlue sky， I was not at all addicted to a long and elabor－ Bate toilet，and had completed my preparations when Mr．Gleun made his appearauce and led the way to the dining－hall．
＂My daughters，Harold！I hope you will become good friends，＂was the rather uncere－ mouious introduction as we entered，and we碰were soon seated at the hospitable hoard，all㨁restraiut heing effectually banished by Mr． Edith Glenn，the elder of the two sisters， would have been generally termed a beautiful woman．She wore a regal look，with her high white hrow，raven hair，and dark，flashing eyes，but there was an exprcssiou lingering
around the chiselled lips that marred their heauty．

But Maud！how can I describe her？She was different from any womau that I had ever met with．A soft charm，a nameless，unde finahle something pervaded her every word axd action that was irresistihly attractive．The
Beary masses of golden hair，twined around位the small，shapely head，seemed almost too heavy for the slight，drooping figure；and the eyes，half hid by their snowy lids and long lashes，reminded me of purple violets．
When we repaired to the drawing－room， Maud seated herself ou a low cushion and hent over her emhroidery．Edith，taking her stand over her emhroidery．Edith，taking her stand
at the open window，heckoned me to her side with a hright smile．
＂What do you think of our scenery，Mr． Asliley？Are not some portious of it grandly sublime？＂
＂I can readily share your admiration，Miss Glenn，for I hare rarely，if cver，seen it equalled，＂I replied．

Yon may wonder at our selecting such a seclucled situation，Harold；we lave resided
here ouly the last few years．I have proved by experience that the truest liappiness is to be ound in retirement．
Mr．Glenn＇s countenance wore a trouhled ook，and he sighed heavily as be spoke．
＂You have quite a ramhling building，＂I re－ marked．＂Have you ever＇explored the un－ used left wing？Is there not some weird tale attached to it？
＂I believe there are some reports in regard to it，＂auswered Mr．Glenu，＂but I considered them of no importance，and had never suffi－ cient curiosity to peuetrate its gloomy re cesses．
Conversing upon raried topics，my first eve－ ning at Glenrue passed swiftly and pleasantly away．Each coming day was replete with pleasure．We walked，rode，and sailed，aud Maud would charm away the evenings by warbling sweet songs，while her whitc fingers swept the chords of her harp．
I loved Maud Glenn．That my love was re－ turned，I did not cloubt．I read it in the droop－ ing of the violet eyes，the varying color of the
soft cheek，and the tremhling of the little white hand when it chanced to meet my own．
One eveniug，as we stood together in the recess of oue of the large windows，with the moonlight falling upon Maud＇s golden hair aud flooding the room with its pale light，I told her of my love．
She was far too frauk and true－hearted for coquetry．She simply laid her hand in mine． I needed no other answer．For a long time we stood there，talking of the future－our
future－when suddenly a shadow fell across future－when suddenly a shadow fell across around and caught a glimpse of Edith glidiug from the room．Her face was deadly pale， aud her eyes had a strange，wild glitter．I en－
was the effect of my inagination，aud in my
new－found happiness the remembrance soon faded from my mind．But when it was too late， the circumstance returned with startling dis tinctness．
Oh！
Oh！the gloriously happy days that fol－ lowed！How bright a dream to have so ter rihle an awakening！But why should I dwel upon this blissful period；it but renders the loom of the present deeper hy contrast． The fatal day was fast approaching which was to wreck my happiness forever．
Mr．Glenn was a great sportsman，and one fine morning as we lingered over the breakfast table he remarked－
＂A glorious day for a hunt，Harold．It would be a good idea to take out our guns and dogs，and devote the whole day to the sport．
I yielded a ready assent，and we were soon equipped and off．We met with excellent suc cess，and returned to Gleurue late that night after the household had retired，feeling quite fatigued with our long tramp．
Early the next morniug I hurried to the drawing－room，expecting to fiud ALaud pre nared for our accustomed before hreakfast ram ble．But the room was empty，and I impa－ tiently seated myself in our favorite recess thinking each moment to see the flutter of her white dress in the doorway，and hear her sweet tones of welcome．Still she lingered；and leaning my head upon my hands，I fell into pleasant reverie．
＂Awaiting Maud？＂
The words were lightly and mockingly spo－ ken．I started up．Edith stood hefore me， wild light in her eyes and a hitter smilc curling her lip．
＂Listen，＂she continued，＂now that my ends are accomplished and my revenge com plete，I have a revelation to make．＂
Her worde and looks were totally incontpre－ hensible，and I was ahout to speak，hut she sileuced me with a gesture．

Hear me through，＂she said，＂and witness my triumph．From the first moment that we met I loved you with a love that Maud＇s cold， gentle nature could uever fathom．You would have learned to lore me in returu，hut she stepped between us，and I hated her for it． While my heart was torn with conflictiug emo－ tions，you two were happy；but my time had yet to come．My hate grew deeper day by day， and I felt sooner than she should posscss your love I would make any sacrifice．No oue ever
dreaned，nor did I reveal，that \(I\) had explored the unused left wing and made the discovery of a secret room．It was a wonderful piece of mechanism．By touching a small spring door would fly back from the seemingly un－ hroken surface of wall，revealiug a room of
small dimensions．It was perfectly air－tight， with solid double walls，through which no shriek or groan could penetrate．With the door closed upon a limman hcing，life would hecome extinct within fifteen hours．Doubt－ less it had had its scores of victims．My plaus were all formed，and yesterday an opportunity was presented to carry them into effect．I tempted Maud to this secret room，aud while she was wonderingly surveying it，with her back turned to me，I stole away aud touched the spring；the cloor flew hack in its place， and I left her alone to darkness and death All that night in imagination I heard her shrieks and moans and calls for help．Beheld her heating her hands against the wall，endear－ oring to discover the spring，and pictured her despair at finding her attempts all in vain．But there was no pity in my heart，for had she not rohbed me of happiuess？
I stood before her as she spoke like some statue，each terrible word falling upon my heart like lead，but without a realizing sense
＂Do you not comprehend？Perhaps it seems incredible．Then come and see．＂
Like one in a hideous dream，I followed her almost mechanically as she led the way to the left wing．The key was applied to the rusty lock，the door swung back with a grating sound，and we entered．
Onward we went，up the creaking stairs and through the long corridors．At length she paused，and touching an almost concealcd

Extended upon the bare floor，with her long golden hair falling around her like a shroud lay Maud，my Maud，cold aud dead．To sprin to her side and lift the drooping head to my bosom was the work of a moment．I could not believe that life was really extinct．I es－ sayed to lift the slight form to bear it to the fresh air，but all thiugs swam hefore my sight， and I found oblivion from my wretchedness in insensibility．
When I recovered cousciousness I was lying in bed in my own room，and the family physi－ cian of Glenrue bending over me．
＂I am glad to find you hetter，Mr．Ashley，＂ he said，cheeringly．＂I hope yon will soon utirely recover．＇
The whole of the terrible past rushed upon my mind with lightniug－like rapidity．
＂Have I heen sick long？＂I asked．
＂Several weeks，＂was the reply．
Doctor，＂I said，＂anythiug is preferahle to this torturing suspense．What of Maud？＂
His tones were full of deep sadness，as he eplied－

We can hut how submissively to the Di－ ine will，Mr．Ashley，knowing＇He doeth all lhings well．＇
I had intuitively felt that all hope was over， but the shock of having my worst fears con－ firmed was a bitter one．
＂Aud Mr．Glenn aud－＂My lips could not frame Edith＇s name，and the words died away． ＂MI：Gleun is also dead．Edith is bope－ essly insane and confined in the asylum．＂
＂Iusane？＂I shuddcringly ejaculated．
＂I suppose you are not acquainted with Mr． Glenn＇s early history，for he rarely spoke of it． When young he was a great traveller，and while sojourning iu Italy，wedded an Italian lady，very beautiful，but of a fierv，passionate nature．She died insaue，leaving one little girl．Mr Glenu returned to Eugland，and after the expiratiou of a few years again mar－ ied．His second wife was frail and delicate， aud in a short time he was agaiu a widower vith two motherless daughters．Almost bro－ ken hearted and weary of the world，he came to Glenrue，hoping to find in solitude some halm for his wounded spirit．
He had long feared the development of this errible malady in bis eldest daughter，but lit－ tle imagined it would he attended hy such a result．Upou the day of that sad occurrence， Mr．Gleun was startled hy a loud and piercing shriek．The door or the left wiug was found open，and，guided by a secoud shriek，he hur－ ried to whence he thought the sound proceeded． In that fatal room you were discovered lying insensihle by Maud＇s lifeless Lody，with Edith hending over you．From ber ravings it was compreheuded tuat in a fit of iusanity she had immured her sister within a living tomb，and when all was over，acquainted you with the awful fact．Mr．Glemn never recovered from the shock．Her name was the last upon his lips．＂
As he concluded，I averted my head，and endeavored to shut out light，sound，and even thought．
My constitution was strong and vigorous， and I recovered rapidly．In a fevt weeks I turned my back upon the scene of this terrible tragedy，and left Glcnrue forever：

Educate Yourself．－Learn but one simple fact iu science or the arts each day，and then count each day＇s gain hy weeks and years and you will store up an amount of useful knowledge that will surprise you，not only hy is amount，hut by the ease with which you will attain it all．Books，periodicals，and pa－ pers are cheap and casy to be obtained；and it is your own application that must lay hold of this knowledge that is so freely prescuted to you，and appropriate aud supply
own use and for your own benefit．

It is not what wc eat，hut what we cligest， that makes us fat；it is not what we make but what we sare，that makes us rich；it is no what we read，hut what we rememher，that

Home．－What other Saxou word of four letters suggests strongcr or more varied imagery？To the thirsting traveler in the tropics it brings hack the triclling of cold water，and the creals of the well sweep at his fathers shaded door．The sea－boy shuts it firmly in his heart as he rocks on the giddy mast．The western cmigrant hastens to nail the last hoard on his shanty that he may speak it again to liis wife and little ones．It contents the Green－ fairy foot？She is packing her trunk for Home．What kindles such exultation on the student＇s hrow as he mounts the rapid car？Home aud vacation．

\section*{物arious 揭的ters．}

\section*{agricultural items．}

So great is the demand for the Osage plant for fenciug purposes，that the price lias recently risen from two and a laalf to four dollars per thonsand，iu the State of Illinois．
In Northern Olio sheep，have wintercd poor－ ly．Fodder unusually scarce．

A farmer in Vermont thinks milkweed may be made useful for soiling cows．He says the cows eat them eagerly，and he is of the opiu－ cows eat them eagerly，and
ion they iuerease the milk．
The wheat crop in the valley of the Sheuau－ doak never looked hetter at this time of the year．
Some farmers sell two crops iu the Winter． In the fore part it is hay，in the latter part hides． \(\mathrm{U}_{1}\) wards of 30,000 barrels of flour are ship－ ped froun California monthly－paying the Pa
cific Mail Steamship Company for freight， cific Mail
\(\$ 100,000\) ．
Fruit trees have come forward rapidly under the warm sun of the past few days，and are looking well．
Reports from Maine say that the young grass，wheat and cereals are looking fincly， and give great promise of albundanec．
Egg plants should not be set out before the end of the present month．If they are，they must be carefully proteeted at night．Nothing is gaiued in earlincss of the crop，and much may be lost，as a cool nis． them baek two weeks．They are very sensi－
tive in this way，and even when planted ou tive in this way，and even when planted ou
the first of June，cool nighlts should be guard－ ed against．

Afarmer in Iowa destroyed the grub－worms that were destroying his corn，by catching a lot of moles and putting them into the corn field．The moles unay be caught by the use of cow＇s horns with the pith out．
The Maine Farmer understands that it is in coutemplation to dike a portion of the im－ meuse marshes in Scarboro＇，so that instead of raising thatech，good English hay may be sub－ stitutcd．It is stated that from fifteen hundred to two thousand acres of land can be thus chauged at a trifing expense．
40,000 bushels of wheat were shipped from Liverpool to New York in one weels in April． The National Horse Fair at Springfiedd， Mass．，is to be August 27 th，28th and 29th．

The firm of Barber \＆Hawley，the largest manufacturers of agricultural implements in Illinois，have failed．
The farmers of New Hampshire are com－ plaining greatly of the scarcity of hay and grain and the dearth of potatocs，which are obtained with dificulty for planting purposes．
There is a sreat scarcity of fodder for the ani－ mals in the easteru townships of Canada，and the cattle are dying by hundreds for want of food．

The crops in Florida were never more prom ising．
A Boston man lias a henery at Barnstable which covers ten acres of grouad．
Always set a post fenee over a ditch or near good draiuage，and the posts，always remaining dry，will last many ycars longer than those stauding in wet surbsoil．
The Worcester Co．（Mass．）cheese factory at Southbridge，turns out ten cheeses per day； each weighing is to 80 pounds．

A series of experiments by Captaiu Joseph Davis of Baldwinsville，Mass．，has proved that barren apple trees may be made to bear plenti－ fully and au excellent quality of fruit，by gird－ ling them when in full bloom．The bark must be cut away in a strip two inches wide，care be－ ing taken not to injure the wood．Trees，treat－ ed in this manner，soon heal over，and have the appearance of being grafted．
The cattle plague rages in Holland，necessi－ tating a great destruction of animals．In one district there was such a strong opposition by the peasants，who had a religious oljection to the destruction of the cattle，that the soldiers were obliged to fire，by which two men were
killed and two more wounded．

The herd of Jersey eattle owned by I．L．WEERLY REVIEW OF THE NEW YORK IIurd of Concord，Mass，was sold at auctiou， on the 8ut，but the prices obtained were not up， to expectation．Belle，a five year old，brought St25，and a few heifers \(\$ 250\) apiece，but the average price was not above \(\$ 16\) ．
The crops in Georgia never lookel more promising than now，especially the cereals． The wheat crop is large and rigorous，and will be ready for the larvest in a few days．

\section*{a backward season．}

Tue Spring of \(180 \pi\) is the most backward we have had for several years．The month of May has exhibited but little sunshine．There Las been a successiou of rainy and cloudy
weather．During the first sixteen days of the montl five and a half incles of rain fell，and the amount has becu considerably increased sinee the 16 thl．Planting opcrations have been much retarded，and farmers are a little dis－ couraged at the prospect．Early planted corn has rotted in the carth，and the fields unst be e－planted．
The ouly eucouraying features of such a Spring are，the weather has been very favora－ ble for grass and frimit．From all parts of the coulutry
each

\section*{Harriages．}




 In OXford，10th inst．．Mr．Orrin B．Charree to Miss Sarab

\section*{Heatlis．}



\(\substack{\begin{subarray}{c}{\text { In } \\ \text { dis ane．} \\ \text { in } \\ \text { In Nort }} }} \\{\hline} \end{subarray}\)
Ierbotom，Providence，1．s．a hast，Martha，wite of James Win．




In orford，10ut inst，stary Phipps，daughter of Moses Phi．pps





> BRIGHTON CATTLE MARKET.










Anduertisements．



Rhode Island Society for the Encourerge－ ment of Domestic Industry，
nablaganslett pabió assoctation，
cranston，near frovidiace，r．l．，

On Tuesiay，Wednesday，Thursday and Friday，
the premigu liet will anount to nearly \(\$ 10,000\).


\section*{}

 tue stables．
 water．
 tile track


Great American Tea Company
THE IMMENSE PROFITS
THE MMENSE PROFITS
IE TIR AD \(\quad\) ．

\section*{Sheep 揵uslandity}

\section*{hantagemeint of lambs．}

Tire followiug extraets are taken from arti－ les contributed by Dr．Randall to the Rural New Yorker：

\section*{dooking ann castration}

Mr．Daker doeks and castrates lambs at six to ten days old；Brown，Heyne，Rieh and Saxton，at four weeks old；D．Clapp，at three weeks；A．H．Clapp and Wright，at three or four weeks，but Clapp does not perform both operations at the same time；Elithorp docks at one or two weeks，and castrates at eight； Gregory doeks at washing，and castrates at sheariug；Hammond doeks at two weeks and castrates at four；the Marshalls doek and eas－ trite at from six to fifteen days；Pitts，at from one to four weeks；Pottle，at from one to three weeks，aeeording to the＂strength and vitality＂of the animal；Sanford，at two weeks；Wilenx，at one or two weeks，but does not perform the operatious together．Our own de．，are given in the Praetieal Shepherd．

\section*{killing tioks on sheer．}

All eoncur that dipping the lambs in a de－ Coetion of tobaeeo，strong enongh to kill tieks， is the most effectual mode of removing these parasites from the floek．The time of onr cor－ respondents＇dipping them varies from two or three days to two weeks after shearing the dauns．We prefer the latter time，so that all the tieks on the ewwes shall have had time to get（as they will）on the lambs．

Baker weans lambs at three months old， making it a point to do so＂during the dark of the moon，＂as they will not bleat as much for their dams in darls as in light nights；Brown， the Clapps，Elithorp，Rich，Saxton and Wil－ cox，at four months；Hammond，from three and a half to four nionths；Heyne，from three to fonr months；the Marshalls，from four to four aud a half months；Potle，from three to three and a half months；Sanford，five months； Wright，from four and a half to five months． We prefer：four months，but might shorten or extend the time according to eireumstanees．
tegs－pastupage after weaning．
A Lans is ealled a teg after weaning and theneeforth until it is shorn，at the usual time． As the kiad of pasturage most suitable for tegs las been the subject of considerabie disetssion，
and consequently dontht，in England，we put the following question to our correspondents ： ＂Do yon prefer to put tegs on pasture lands， or on the after－growth of meadows？＂Baker prefers，if the season is wet and the feed good， to returu them to the pasture they are used to； Mrown，thalls，Pitts，Saxton and Wilcox，prefer the after－growth of meadows；Pottle prefers pasturc if fresh and gool；Rieh，good pas－ ture；S．nford would prefer good，fresh pas－ ture，but not having it at that season，uses the after－growth of meadows；Wright thinks he would prefer good pastures if fed close and al－ lowed to start up fresh ；E．O．Clapp likes to put tegz ou stubbles，（espeeially wheat stnb－ bles），where the land has been seeded down to grass；Pottle oljeets to this，beeanse＂the sharp ends of mown stubbles hurt them．＂
Our own experienee was given in the Prae－ tieal Shepherd thus：－＂The moist，mild cli mate and eoustant rain in England，affect pas tures very differently from the seorching and often yery dry Summers of the United States and as a general thing I have fomm good， fresh rowcu or after－math on meadows，or the new seeded grass in grain stubbles，better feed for lamhs than rested pastures，unless the latter have been seeded the samc or the previons year，and the grass on thent is tender and fresh．＂Such is our continned experience， though it might not be so，nor do we feel at all eonfident it would be so，under the con－ ditions named by Wriglt ；＇but in our climate， and on heavily stoeked farms，those conditions arc seldom conveniently attainable．

There is nnquestionahly foree in Pottle＇s ob jeetion to stubbles．Whether they crer pro duee sore mouth，as some helieve，is very donbtful；they certainly lave never affeeted our tegs iu that way，－bnt they cut off woo from their legs and heads，and thns iajure their appearanee in points where＂fashion is very exacting．

To Cure Sheep fron Jumping．－A cor respondent of the Ohio Farmer gives the fol lowing curious aceount of the method adopt－ ed by him to preveut his sheep from jump ing the fences of his pasture：＂I want to tell you ahout my jumping sheep and how I hroke them．I got them in a pen bnilt suffieiently large to hold them．I then caught the ring leaders，one at a time，and made a small hole in eaeh ear．I then took a cord or string and run throngh the holes in the ears together elose enongh to keep them from working their ears；I then let them out and they are a quiet as any sheep．

L．Munson，of Manehester，Vermont，had thirty－four sheep killed iu one day by dogs re eently．

\section*{做iscellany．}

\section*{Facts about corfee．}

The coffee trade of Boston is less than one half of what it was ten years ago．We can－ not muderstand this deeline，and that while the eery trade and sugar sales，and the general gro eery trade has so largely inereased，the receipts war，andi the sulstitutes now used for coffee， will not aeeount for it all，for the imports had begun to fall off before the commeneement of hostilities．The heavy dnties imposed on eof fee，during and since the war，（when before that period it was a free artiele，）the depreeia－ tion of our curreney，and various other eauses， perhans，earried up St．Domingo coffee from \(7^{-3}\) cents per pound in 1858 to 30 and 40 eents in 1884；Java from 13 eents per ponnd in 1858 to 55 eents in 1864.
The enormons advance in one of the most nniversal artieles of consnmption in the eonn－ try，eaused a greatly decreased use of the gennine artiele，and a srbstitution of roasted and ground peas，harley，riee，eliiekory，de． St．Domingo coffee is a favorite artiele in
New England families，and twenty years ago nsed to seil for ahout six cents per pound at whiclesale．Our imports once from the island of Hayti alone used to exeeed 70,000 bags per nnum，or 20,000 bags more than we now re bine from all foreign and eonstwise ports com－ dimiuution in the eonsnmption of nominal cof－ fee in the United States，but on the contrary a great increase，bnt where ten pounds of the pure eoffee berry were used in 1860，not ex－ Duing three or four ponnds are used in 1867 ， During the war noue hut the rieh used the bnrnt coffee no louger saluted the nostrils as yon opened your neighbor＇s door，nor were the early slumbers disturbed by the noisy coffee mill of your own domicil．But few families even now，when the priee has somewhat fall en，from the extreme rates of 186t，use pure coffee，but purehase substifutes of all kinds， from the＂Hard Times＂eoffee，at 10 cents pound，to the pure Juva，at 50 or 60 eents．
Boston is onc of the largest markets for Java Moela and St．Domingo eoffee in this country． The cities of New York aud Philadelphia arc large customers for Java eoffee in the Boston market，although the former eity is perhaps as large a dircet importer as Boston．The Mocha coffee is imported into Salem，Boston and Nem York，some three or four cargoes being re ceivel per annum．Its sale is very limited， and confiued mainly to the residents of the grat cities．－Boston Traveller．

Tie Agricultural Fair of Tolland County， Conn．，will be held on the 2nd and 3d days of Oetoher next．

Choter Stoor．－H．G．White，the famous reeder，of South Framingham，Mass．，has ow on his farm twelve Short Horns，fifty outh Down Sheep，and forty Suffolk and Es sex Swine．Persous in want of good stoek
will do well to visit Mr．White． Cultore of The Dallian－ \(\boldsymbol{A}\) great many dahlias were killed by frost last Winter Those persons who have snceeeded in saving he tubers，should consider themselves fortu－ hate．Some florists make a practiee of sprout－ ing the tubers early in a hot－betl frame，or green－lioise，and then settiag them ont in the plaees where they are to stand．This is the best way to obtain early blooms，but the lahlia is eminently an Autumnal flower，and he finest blooms are generally obtained from hose tubers，the sprouting of whieh has heen delayed until June．

Tae propnetive power of the droppings of the henery are very great as eompared with orclinary barn yard menure，yet many farmers， with a seore or two of fowls，take little or no pains to preserve and apply it to the purposes of vegetable prodnetion．It is an cxcellent dressing for gardens，and will repay，a humdred fold，the eare and expense of preserving and applying it．

Ir is estimated that in the counties of Hali ax，Spottsylvania，Franklin，and Henry，in Virginia，and Roekingham and Casswell，in North Carolina，the tobaneo now on hand is rorth \(\$ 12,000,000\) ．The crop of Spotsylva－ nia alone is plaeed at \(\$ 3,000,000\) ．These esti－ nates are hased on careful researelies of per－ ons interested in the matter．

The Turi．－A trot between the celebrated Dexter and a hay mare belonging to Mr Alden Gollsmith of Orange county，N．Y．，and gener－ ally known as the Goldsinith mare，for a purse of \(\$ 3000\) ，mile heats，hest three in five in har ness，eame of Wedneslay，at Middletown，N． Y．Dexter won in three straight hea ts in 2 \(25 \frac{1}{2}, 2.32\) and 2.28 ．

How to Gef Rin of the Woodohuces． Get a supply of arsenic from a drus store，and quantity of small apples，aud charge caeh with a half thimbleful of the poison hy enting out a plug from the apple，and after putting the arsenie in，plag the applc up again，and the dose is ready．Roll these apples into Mr． Chuek＇s burrows as far as you ean seud them－ half a dozen or so in eaeh hole－and you will soon cl
A gentleman，residing near Rochester，N． Y．，raised earrots at the rate of 1,381 bushels to the aere．He planted them in drills one foot apart，thinned them to four inches in the
drills，and cultivated them carefully through－ out the season．

雎hode Island．



\section*{1 1 筑assachusetts}
\(B^{\mathrm{Y} \text { MAIL，PREPAID．}}\)
chotce flower and garnex seens，

 oreach any parto of
sortment of the fincst


Sheen ManhTrabarou
ticks，scab，vermin ann fo
SIEEf，ANIMALS AND
LE3 This pure preparation has heen successfully used for rears，and never fails tord
It will not in jure the most delicate anima
It will improve the Quality and Quantity of Wool．
It kills TIEKS on Steep．
It cures SeAB on Sheep．
It cures all SKIN nisediss in Anime
It kills all VERMIN that infest Animals，Trees，Plants and
CF For FOOT－ROT it is a sure cure，used as a pouticice．
CTH ONE POUND of this Extract will make TWELVE GALLONS of Wash，and contains the strenstl of EIGHT
OOUNSS of TOBACCO，as prepared hy farmers．
Sold by ail Druggists and Country and Agriculural Stores．

\section*{james f．Levin，}

23 Central Wharf，Boston，Massachusetss
For sale by Kendall \＆Wuitney，Portland，Me．；N．S． Harlow，Bangor，Me．；Simonds \＆Co．，Fitzwilliam，N．F．
March 9，1866． \(C^{\text {ollins，bliss } \& \text { co．},}\)
PRODUCEAND COMMISSION MERCEANTS
onbl adpanoze made on oonstgnaments．
New England Agents for the
It is claimed that this Fertilizer is superior to any in the mar ket，its virtues and merits over others being to prevent all in sects and worms from destroying crops of plants，without burn－ stronger than the Peruvian，therehy requiring a less puantity to permanently enrich the soil．

Pbioz s60 pez Tox．
－March 9 ，1867．
Pennsyluania．
\(h^{\text {hodes＇super．phosphate．}}\)
or Soneble Piosphoric aom．Valuable for every neseription of erops

\section*{} fully up to the standard，in quality， and is in fine condition for drilling．

PHODES，SUPER PHOSPHATE farnall \＆trimble，

Marclı \(\left.23,1867 . \begin{array}{l}418 \text { South Wharves，} \\ 419 \text { Penn．Street，}\end{array}\right\}\) PHiLadelphia．




\section*{TERMS OF ADVERTISING．}

 nal has won Its way to to apreceitition with remarkiabie rapidity，

\section*{IN MONTHLY PARTS}


\section*{Waws of 理ealthr}

\section*{hyeirine of the farm．－no． 1}

The title of your valuable journal，the Farm and Fireside，while it seems to render par－ amount，as its speeial objeet，the advancement of that greatest of all national interests，Agri culture，seems also to invite communieations of a somewhat wider range；and I propose to offer you an oecasional article upon subjects wbieh， though not directly comnected with the man－ agement of the farm，are not，therefore，less ritally important to the well being，moral or
physical，of the most precious of all＂stoek＂ －the farmer himself，his wife，cbildren and employes．In other words，I wish to approach the farmer＇s fireside，not even excepting the too little attention there，if I may judge from some years of former professional experience in wbat the doctors call＂country practice．＂ Yet it is not about disease and its treatmen that I intend to speak，but about health and its preservation；hoping that all readers will re member that the health of the mind is quite as serious a consideration as health of the body－ that neither can be neglected without iujuring
the other，and that both are as necessary to profitable tillage as plowing，planting，mauure or under－drainage．
The ancients，at oue time，fixed the seat of the soul in the stomach．That doctrine has gone out of fashion，except，perhaps，with the aldermen；but this organ is still considercd as
one of the three co－ordinate authorities of tbe body corporate－the brain，heart and stomach－ and as completely equal in rank as the Legis lature，Judiciary and Executive，in civil gov－
ernment．I trust，then，that no apology will be necessary for beginning with some bints about food；for there are few subjects counect－ \(2 d\) wifl health on which more
more daugerous prejudices prevail．
＂What！Not eat fat pork！＂says Mr．Bur－ ly，the farmer，to his delicate daughter or bis slender，rapidly growing boy；
agrees with me；so，eat it，I say！
How often have I secu constitutions broken down，sometimes to the early destruction of
life，by this insane idea that what is good food for one，must be good for all！Even the rul gar adage，＂what is one man＇s meat is another man＇s poison，＂sbould teach a better philssophy． A man is not a woman，and a child is neither， of food be suitable for cach？All have the same system of organs it is true，but these or－ gans are not developed in the same relative
degree，nor are they applicd to precisely the same purposes．They all require the same chemical elements to build up the frame，but they do not require them in the same propor－ tions，nor in the same anonnt，nor prepared in nearly every ingredient required by every part of the adult human organization，and althongh all parts are growing together，it is sufficient
for the infaut．But some parts are developed more rapidly at first，and others at a late period．Take the boncs，for example．These， in their mature condition，require a very large amount of phosphate of lime，to give them proper strength and solidity，yet in the earlie little，and will bend before they will break； while about the end of the first year，they should be firm enongin to bear the weight of the body－and the child stands upon its feet． bandy legs，from having had the silly pride to test the strength of the young limbs too soon Now，this demand for phosphate of lime in－ creases rapidly up to the time of weaning，and long afterwards；and nature，to supply this want，changes continually the quality of the milk，up to the time when other food，of a stronger character，is indicated by the growth of the youngster＇s teeth；so that the infant
ten months would dwindle，if not starve，upo

E the food that was so wholesome at the age of a
week or two，while，if the youuger child were fed upon the later milk，it would iuevitably suffer，if not die，from tbe effects of its nuna－ tural diet．Every nurse who has＂brought up a child by the bottle，＂well knows these faets， a child by the bottle，well knows these faets， and mixes in the proper amouut of water with
far more honesty than many a dairy man who atteuds the market．

\section*{How do you know then，Mr．Burly，that be－} cause fat pork always agrees with you，who are at work all day in the open field，that it will also agree with your delicate daughter， who is all day at work in or about the house or dairy，breathing the fumes of the kitelen o chamber，or stitehing away the long Wiute evening by candle light，without enjoying a titbe of proper sunsbine，in half ventilated apartments？The truckster＇s daugter，if well browned in the garden and field，usiug her muscles to the extent of their endurance，may stand good，bard－working fare very well，with out refusing＂anything that comes；＂yet yonr
young daughter，or even your boy，thougb he young daughter，or even your boy，thougb he
trudges two miles to school every day，but uses up five，six or seven hours in the scbool－ room，＂cudgelling his brains in the gloom＂ to say nothing of home lessens，wbich confine the juveuile parrot by the side of his sister，
till bed time－cannot subsist on exactly the sane kiud of diet exclusively，without suffering， both in bodily strength and meutal capacity．
Go，look at the leading lawyer of your court， when be has just finished a difficult case，dur－ ing a tedious term．See how he＂pitches＂
into the first restaurant for oysters and eggs，if there be any at hand，though，at other times he cares not much abont them．＂What is the eggs and all salt water fisb give food to the braiu，and fat pork does not，Mr．Burly ！
Whatever we use most，wears out soonest and cries for more food；and one part requires but little or none of that of which another de mauds a large amount．It is now perfectly well known that no animal can live in healul upon one kind of food alone－not even npon bread，though it be the staff of life，or milk， though it furnisbes some little，at least，of ncarly every thing wantiug for the full grown man．
These articles do not furnish them in all the various proportions required at different ages and in persons of different sex or occupation． The grass，while it is young and pale green， lives chiefly on what it finds in the air；but when it becomes darker and begins to form seed，its roots hunt out the substance of the soil and manure in far greater amount than at first．A sedentary student iu the city would starve，at home，upon the rough fare of a working man．He cannot digest it ，and it throws him into a fever or a diarrbcea；yet， after a ferw weeks active exertion and exposure in huntiug，marching，or harvesting，he can flourish upon fat pork and the aboriginal apple pie that we sighed aud fought for，＂callida be thrown over the barn without breaking．＂ On the other band，when Mr．Burly quits the farm to spend a few weeks with his brother， the rich merchant in town，he is in danger of apoplexy from the luxurious fare．He digests too much of it，and too easily．But if he re－ main permanently in the city，he finds the diet very suitable to his changed relations，perhaps after a fever or two，a few boils and a＂thick
head＂for a few months；and he then attributes the past difficulties to the change of air，while it is quite equally due to a change of thinking and acting－of suushine and shadow．
Do as you please，Mr．Editor，with this com－ munication，but if such familiar talk proves agreeable to your patrons，I shall be happy to
furnish more of it hereafter，pledging myself furnish more of it hereafter，pledging mysel greater extent，than this introduetory and very general article may seem to promise．I detest philosophy on stilts，and shall not overload the telligible to the reader，though it is far easier to bc grandiloqueat in latinity than comprelen sible in vernacular saxonism．
June， 1867.

\section*{腹artioulture．}

\section*{Horticulture at the paris exhibition．}

\section*{Correspondent of the Loudon Time}
writes an acconnt of the horticultural part of the Paris Exhibition，as follows：
＂Interesting anong the trees and shrubs is a sinall and tiny plautatiou of young evergreens and common oaks，planted to illustrate the ideas and suceesses of M．Rousseau，of Car－ peutras，as to the growth of the truffle，and in the center of the plantation stauds a little case containing specimens of the large crops he has raised thus．Having observed that the truffle grows uaturally in thin oak woods，on a chalky or stiff loamy soil，and on a slope with a southern aspeet，be seleeted a very poor piece of waste laud with such charaeteristies， then plauted acorus in rows，running North and South，using acorns gathered froon trees growiug where truffles were found．In six or seven years he was rewarded with an abun－
dant crop－more than fifty pounds of truffles an acre per anuum．
Beside where those little oats are planted may be seeu，trained on a white wall，two beautiful peacb trees，far more so than bave ever been seen in Euglaud，with all our boasted superi－
ority in hortieulture．Tbey are faultess in outline，iu training and in sound，fruiting wood，and will not fail to attract even those who take no iuterest iu suel matters，from the to attain as on one tree there are at least haif a dozen differeut peaehes grafted．Once at those peach trees，the risitor is almost sure to walk aloug the oblong garden，iu．which nearly all the fruit trees are planted，and though the ex－
bibition is not so good as it migbt be in such a great fruit－growiug country as this，where even little suburban houses have trees which the best English gardeners would be proud of， et tbere is much to see，and much to be trained and curiously grafted；in fact，iu some spots，if the visitor looks closely，he will probably have an impression that Freuch fruit－ growers graft everything into everything else，
for they have in unany specimens grafted to for they have in many specimens grafted to gether all the outer points of a whorl of ranches，so as to form a living hoop rouud cases，brought from the main stem in regular cases，brought from the main stem in regular eus of other modes of training which it would take up too much space to describe．
A still more interesting instance of what may be done iu grafting may be seen in one of the honses in this gardeu devoted to the ex－ hibition of cactuses．One group coutains seventy plants，all grafted upon other kinds－ distinct species，so that you cau see a cactus， globose in shape，and as big as one＇s fist，
standiug supported and nourished by a little kind with a stem no thicker than a pencil kinds perfectly white，with bristling spines， growing npon others with none at all；kinds with flat，circular bodies，growiug upon some with thin triangular oues；and，in fact，such a lot of curiosities in this way as would scarcely be believed by those who have not secn them． Oue of the enormous round－lead cactuses，a globe－like mass twelve inches in diameter and ten inches deep，is iu most healthy condition ； not，however，staudiug npon its own basis， but grafted upou three diffcrent stcms of a to tally different cactus－cveu a different genus－ receives its nutriment through three small legs， so to speak，and is in much better health than if growing upon its own roots．This collec tion，with other contribations to the consccu－ live shows，will probably remain here all tb ason，like the more permanent displays． Thring flowers dotted about．There is a capi－ tal group of the various kinds of tea－plants bronght from the South of France．Hot houses in abundance and variety，ana materie dhorticulture of all kinds，are also exhibited，
so that it should be seen by evcry person inter－ ested in horticulture who visits the Exhibition． The great aquariums are not jet fiuished， fresh－water one；when they are in full work－ ng order a novel and highly interesting fea－ ture will be added to the garden，which is railed off from the rest of the park，and for entranee to whiel half a frane is charged，in addition to the fee for entering the Exhibition．

\section*{transplanting．}

Transplanting is an operation of great im－ portanee ；the coudition of the plant，the state of the soil and of the atmosphere，have much to do with its suecess，independently of the simple necbanieal operation．It is uot very easy to instruet the uninitiated as to what the proper coudition of the plant should be；experienee in this beiug，as in everything else，the best eacher．Attention to keepiug the seed－bed clear of weeds，the＂topping＂of planis when they get too tall，and careful digging up of them so as to preserve the root fibres，will all greatly assist．
We cannot always get the soil in a proper condition of moisture to receive plants at the time transplanting should be performed，but to make up for the want of moisture，plauting should always be delayed until late in the after－ noon，uuless in cloudy weather．It is also of great importance that the ground be freshly plowed；the moist soil thus brought to the surface will induce the formation of root fibres in one night，after which the plants are com－ paratively safe；but if they be allowed to wilt before the new roots begin to be emitted，and coutinued dry weather eusues，then nothing will save them but having recourse to water－ ing，whieh should always be avoided if possi－
In planting，each man is provided with boy，who carries the plants in a basket，an whose duty it is to drop the plants on the line at the proper distance before the planter．In planting，a bole is made by the dibbler about the depth of the root ；the plant being iuserted， the soil is theu pressed elose to the root，the hole thus made by the displacement of the soil is again filled up by one stroke of the dibbler： Iu dry weather wc still further firm the plant by each planter returning on his row，aud
treading the soil around plants firmly with his f tread．
I an thus particular in describing a simple matter，knowing well that millions of plants are annually lost by inattention to this firming of the soil．The same rule is applicable to transplanting of all kinds，trees，shmbs，o vegetables．Instead of＂puddling＂the roots in mud，we prefer to keep the plants dripping wet during the whole time of plautiug，so that each plaut，as it is put in the soil，puddles it－ self by the particles of soil adhering to the wet root．Besides，the leaves of the plant， of the dry air．－Gardening for Profit．

\section*{LILIPUTIAN ENEMIES．}

Under this title，C．F．Sprague describes，in he American Journal of Horticulture，the va－ rious species of fungi known as rust，smut， bunt and mildew，which are of the simplest structure．Though the individual plants arc so infinitesimally small，they reproduce with such wonderful rapidity，and in such amazing profusion，as to destroy whole crops by their ravages．Their mycelium penetrates the soft tissues of their prey，and on reaching the sur－ face break forth in an eruption，which allows no cure．A piece of glass，on which lie spread thousands of their spores，would exhibit to
the eye a faint mist，and yet this mist will in－ the eye a faint mist，and yet this mist will in－ destroys a field of nodding grain．Experi－ ments of all sorts have been resorted to to pre vent the attack of these omnipresent parasites But thcir occurrcnce is mainly due to atinos pheric influences．Their spores are cvery where，aud can be called into germinatiou by circumstances favorable to their growth，either moisture or drought．


\title{
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\section*{FARM NOTES AFD SUGGESTIONS FOR JUNE}

June is a busy month to the farmer; to lii operations in the field and garden during this month in a good measure depends his succes with all his hoed crops. If he allows the weeds to get the aseendency, or fails to cul tivate suffieiently, his crops will suffer in consequence, and no after attention can compensate therefor. Thorough eultivation goes far towards making up for what may he wanting in weather and richness of soil; a good stirring of the soil is equivalent in its effects to no small
amount of manure; for it admits the air and amount of manure; for it admits the air and by the soil and is essential to the growth of plants. The soil is aerated and warmed, giving an opportunity for forming new compound therein, and the liherating of elements neces sary to healthy vegetation. As far as practical substitute horse-power for human muscle ;
good eultivators, horse hoes, de., will save the labor of one or more men, which in these times of high prices for labor is worth saving and will repay the cost of investment; and no trouble need he apprehended from shirking to perform their part.
Batrns and Sheds
order, hat especially should they be cle and arranged to receive the coming crop. Take time by the forelock and be prepared for al coming operations; work drove is one-hal
easier done than when it drives. Clean out all foul stuff scattered in the bottom of bays and mows, and put all scaffolds in order to receive the hay and grain erops. Do up all such jobs rainy or wet clays, when there is leisure from other work.
Barn Yards,-Hake all preparation for the Summer manure pile, by hauling in muck,
loam, dc., to he trodden over by the eattle, yarded nights, and to be mixed with their drop pings.
Beets,-Mangel wurzel and sugar beets, i sown early in the month, will furnish excellent Winter feed for cattle, cows and pigs, saving hay and grain, also conducing to the health of the stock and giving them a relish.
Butter-made during this month, if properly made and packed, will keep during the year sweet and good. The grass at this season is fresh and sweet, and the butter has a flavor and goodness that it seldom has at any other season; and just now it is the most plenty, and the lowest in market during the season; packed
dorn and held till Fall or Winter, it usually down and held till Fall or winter, it usually
pays. New tubs, for packing in, should ke scalded with brine or huttermilk to remove the flavor of the wood, before using. When the tub is full, place a lump of sal nitre on the top of the butter, as large as a ehestnut, for fifty pounds; cover the whole with a layin
fine salt and close tight; ;eep cool
Cabbage.-Plant for the late erop the last of the month. Hoe and cultivate those already set at least once a week-the more they are hoed the better. Plants may be set between
the rows of early potatoes or peas, which are the rows of early potatoes or peas, which are
to be dug and removed in July. Cabhage are an excellent crop to feed the stock during Winter, if desired for no other purpose. No farmer can have too many, as the manure made from feeding is rich in nitrogen; and they will keep when properly stored till April and May ; all kinds of stock are fond of them, and they fur nish a cheap and succulent food.
Cheese.-This month is a good time for cheese-making; the supply of milk being greater than at a later season, and cheese made family use. Try and improve the quality instead of increasing the quantity. Poor cheese are always a drug in market, while those of superior quality are eagerly sought for, and bought at high prices.
Calves, -Attention given them now to keep them growing is better rewarded than any future keeping after being neglected while young; give them a little grain meal, or oil cake, mixed with their allowance of skimmed young; give them a little grain meal, or oil is required; raise ridges, 3 feet apart, 8 to 10
cake, mixed with their allowance of skimmed inches high, placing manure in the bottom,
milk, with good pasture. The first year of an and on the top of the ridges set your plants 15
animal is the most impottant in forming its to 18 ineles apart the first of the montll. Culeonstitution, \&e. The best cows and oxen do not come from poor and stinted calves.
Corn-planted the first of the month, if not Cone before, will often mature a crop in favor able seasons. Hoe and cultivate thorougnly, Sow in \(3 \frac{1}{2}\) foot drills the large sweet rarietie for fodder to be fed when the pastures hegin to grow short, and also to he cured for Winte use; properly saved, cured and fed it is as good for all stock as common stock layy.
Cows. - Keep them in the stable nights, giving plenty of litter, and leaving the doors and windows open, they will he as comfortahle there as in the yard. See that they are gently and regularly milked; allow no talking during milking, and be sure they are milked clean and in as short time as possible.
Evergreen trees-may be planted early in June, taking care not to let the roots get dry. Spread the roots well and fill in around them packing the dirt with the hands at first, filling and treading till the dirt is raised a little above the level of the surface; water to settle the soil around the roots. Keep the weeds down from around all trees; if anything is needed give a mulch of hay or straw to keep the soil frou drying out.
Grapes.-Proper eare slould he given in tying up shoots, watehing for insects and mildew. For the former, sprinkling with plaster howering with whale oil soap, or other solu tion, or hand picking are the most effectual remedy; for mildew, dust with flowers of sul phur freely.
Ifaying.-The season being so late very ittle, if any grass, will be sufficiently growi cut this month; get ready for next month Hellges.-Young hedges require severe pruning to force low branehing. Top branches grow without any trouble, but it is impossihle o thicken up a ncglceted hedge near the ground. Full grown helges will need to be clipped as often as they make suffieient growth. Millet-sown early in the montll makes an excellent soiling crop as well as a good hay when eut aud saved before full maturity.
Potatoes-Keep well cultivated till blossoming, when they are laid by. Use a light one-
horse plow turning a light furrow towards the horse plow turning a light furrow towards the
rows and finish off with the hand hoe. Salt and ashes mixed, one of salt to ten or twelv of ashes, make a good top-dressing, a smal handful to a hill.
Poultry-pays a good profit when properly re kept clean, free from roosts, yards, \&cc plied with elean water, gravel, broken bone ime, and plenty and variety of feed, if yarded; when they are allowed to range off the lo they piek a varicty and it is less essential to feed the same variety; but they should be supplied with eorn, oats and buckwheat. See that the young are kept thriving by judicious feed and
care. rills 2 to last of the month. Plant in the drill. Make the soil deep, fine and rich with guano, superphosphate, bone dust, \&e.
Sheep. - Custom demands that they be washed efore shcaring-a barbarous practice, as usual y performed, and should be done away with and then the shearing could be done earther and the sheep be better in regard to health as well as furnishing a better fleece; let the work be done carefully as soon as settled warm weather will permit. Note each sheep to see which furnishes the best fleece and reserve wes of sueh for breeding, while the culls are castrate lambs, if not previously done, and guard against the fly by smearing with tar. See that no sheep are ailing with foot rot; if affected at all apply the proper remedy to the ground.

Swoet Potatoes-a crop which may be successfully grown in many locaities where it has been thought otherwise. A warm sandy soil and on the top of the ridges set your plants 1

\section*{ivate hy hauling the soil op the rid}

Strancbervies - Keep the beds clean of weeds and give a mulching of saw-dust, spent tan or cut straw, to keep the fruit from the dirt. Us care in picking not to tread down or injure the vines.
Ghey, - Keep them growing by feeding shorts, aud at work making manure. No ani mal kept on the farm will make a better, or arger pile of manure than the hog kept in the pen, if supplied with the material; keep him husy by supplying muck, sods, weeds ac Keep his pen as free of wet as possihle hy a full supply. Many allow them the range of
the orchard and lose one source of large profit.
Tobacco.-Prepare the ground and transplan
as early in the month as the plants will do early transplanting is essential to a good crop. A moist damp time is the hest for transplanting, although with suitable care it may be done even iu a quite dry time.
Tools. - See that every needed tool and ma chine is at hand and in repair aud good work ing order, ready for haying to begin as soon as
the grass comes iuto hlossom. Early eut gras makes the hest hay; cows give more and het ter milk kept on it ; and als kinds of stock will tinive
grass.
Weeds-grow while we are asleep, and rapid y, if allowed a elance; therefore keep the hoes bright, while you are awake, in keeping
them in subjection. Cut thistles with a speed, them in subjection. Cut thistles with a speed, or go to seed. Persistent cutting will event vally kill them. If a plant is not allowed lungs to breathe it cannot live any more than the animal creation. Clean, thorough tillage is what pays.
Oraamental.-With all the drive and hurry of the home and surroundings. You owe to yourselves and to your children, to make home attraetive. It rests the weary body to have attractions to meet the eye when the day's lahor is over, and creates associations which ing to one during life.
My Riverdale Farm, May, 1867.

\section*{CORN FOR SOLLING MILCH COWS.}

Corn sowed broadeast or in drills is admira Hy adapted for producing the requisite food for Summer soiling milch cows. It is nuri-
tious and sueeuleut, and promotes a flow of milk, if not quite equal, at least second ouly to clover. It is a profitalle crop to raise, because an immense quantity cau be grown per acre. There need be \(n 0\) loss in growing the crop, since if any part is not wanted for sointig,
it may he cut and cured and used for Winter. No one who keeps a dairy should neglect to grow a pateh of sowed corn to meet the prohable wants of his herd during the latter part of August and September. If the season proves means he will be able to keep his cows in condition and obtain full returns, while those who have made no provision !or extra food mus uffer a considerable loss. Duriug the season of 1864, in some sections stock could not have
been cartied th:ough had it not heen for patches of sowed corn which came in play about the time that pastures began to fail. Many who did not put in this crop were forced to feed from meadows, and, as a consequence were cut sloort of Winter fodder and obliged reduce their herds in the Fall.
Sowed corn may bc put in from the first to the fifteenth of Jume. The land should be heavily manured and put in good tilth." Old land that has not been fall-plowed should he plowed twice, and the manure thoroughly mingled with the soil. The usual practice is o sow broalcast and harrow in the seed; but we prefer drilling in the seed with a machine,
making the rows about two feet apart. This will permit of a cultivator or horse hoe between he rows, which kecps down the weeds and The Woestern giving a better crop.

Remedy for Kicking Cows.-Cows, says a cotemporary, seldom kick without some good reason for it. Teats are sometimes chapned or the uddcr tender; harsh handling hurts them and they kick, Sometimes long and sharp finger nails cut their teats, and sometimes the milker pulls the long
hairs on the udder while milkiug. Shear off the long hairs, cut long finger nails close, bathe chapped teats with warm water, and grease them well with lard, and always treat a cow gently. She will never kick unless something hurts her, or she fears a repetition of former hurts. When handled gently cows like to be milker. When treated othervise they will kick and
its crying, as to whip or kick a cow, to prevent kicking while being milked.
amount of fodder. Some use three and others four bushels of seed per acre when sowed broadcast. When sod ground is to be employed for sowing the crop it pays well to subsoil. We have grown immense crops hy manuring on the sod, turning under, and subsoiling the land. In curing the crop for Winter fodder we cut, tie in bundles and shock up. This is the safest course, since, if the weather is bad
there will be difficulty in curing it if left sprend out on the ground to dry.
There is an occasional season it is true wheu, with an abundance of rain that keeps grass freslı and in rigorous growth, corn for soiling purposes is not needed. But such sea ons are the exceptions, and it is poor econom to base operations upon chance. It will be better to make propcr provisions for stock, sinee, if it happens not to be needed, the cro is not lost, but will pay largely as Winter fod der. The extent of ground needed for growing fodder will depend of course upon the manuer in which the crop is put in and cultivated, as well as the season. It should not be less than an acre for every ten cows, and it will be no bad management if a larger area
than the proportion named be cultivated. \(-\Sigma\). A. Witlard.

\section*{SURFACE MANURING.}

We confess that we cherish the belief that surface mauuring is the way to manure. Every farmer aims to eurich his farm. Let us tell him in a few plain words how to do it, and then, after reading this plan, let him think over not corroborate what is said here.
Apply manure chiefly to your tillage lands while in grass. By so doing you produce a stroug, stiff sward, filled with grass roots. If these roots are of clover, so much the better.
If you succeed in growiug a good crop of grass on a poor soil you have done two things-made your land much better and gained a good crop. s soon, or hefore the soil hegins to show sign. of failure, plow or manure again. If you plow, you lave a wealth of grass roots decaying fo the food of growing crops. Re-seed hefore the
land gcts exhausted, and do it bountifully. If you scrimp and starve elsewhere, don't do it when seeding to grass. Aim to have a sward as early us possible. To accomplish this you should seed hiberally. When the sward is formed you have another crop of manure to plow under. In seeding land it is better not to be confined to one kind of grass. In this manner lands may he managed for centuries withont material deterioration.
As a farther argument in favor of surface The g, we mention that it is nature's way. The soil is on the top of the earth, irrigatio eposits its fertilizing elements on the surface Manure applied to the surface is acted upon by the light, leat and rains-its elements are mucl more slowly evolved in the earth than on the surface. Every farmer should investigate this sabject and make his owu conclusions.- West ern Rural.

What is Progressive Agriculture?-The New York Observer answers this question in : lows :

Under its influence spring up tasty and conve nient dwellings, adorned with shrubs and flowers, and beautiful within with the smiles of happy wives, tidy children in the lap of thought ful age-broad hearts and acts, as well as word of welcome. Progressive agriculture build barus and puts gutters on them, builds stable for cattle and raises roots to feed them. It grafts wild apple trees, by the meadow with pippins or greenings; it sets out new orchards and takes care of the old ones. It drains low dis, cuts down bushes, buys a mower, hous ools and wagons, keeps good fences aud praclices soiling. It makes hens lay, clickens live, nd prevents swine from rooting up meadows. Progressive agriculture keeps on hand plenty of dry fuel, and brings in the oven wood fo the women. It ploughs deeply, sows plenti-
fully, harrows evenly, and prays for the blessfully, harrows evenly, and prays for the blessings of Heaven

\section*{The Farm and Fineside.}

\author{
Farmanalyrasiom
}
the midge, or wheat fly
A frw weeks age an iutelligent farmer, Mr. c. J. Iiestand, of Lancaster county, Pemana, olserved upon a low part of a field from whiclt the water hadl subsided after a rain, a y yellowish deposit here and there. But not having a magnifying glass, and his natural sight not being good, he could not determine what the yellow substance was. On returning to the spot on the next day, the deposit had disappeared; lyut on closely examining the smooth snrface of the ground, he found it puneturad with millions of pin-like holes. Digging half an inclu below the surface he unearthed a quantity of the minute yellow particles, and found them to be the larver of an insect. He took them to Mr. S. S. Rathron, a distinguished entomologist of that county, who pronounced them to be the larvac of the Cecitomyia tritici, or destructive wheat fly. Mr. R. experimented with these larvo and prolueed the same effeet witnessed by \(\mathrm{Mr}_{\mathrm{r}}\) H. Saturating the soil with water brought all the larve to the surface; but after the water had subsided, they would all penetrate the soil and go below, leaving the surface like a finely cellulated sponge.
Mr. Rativon, in a contribution to the Lan caster (Pa.) Exa:niner, deelares that this dis covery settles a heretofore mooted question, viz: that the larva of the wheat fly remains a larva in the carth of the field where it was born, from the middle or end of June in one year, until the eighteenth or twentieth of May, at least, in the next year. Now what does thi fuct suggest to the intelligent farmer? Why,
clearly this: that he ought to institute an exclearly this: that le ought to institute an ex-
amination of his wheat fields during the latter part of May, and if he finds these orange-colored larve in the soil in any considerable numbers, then let him turn it down with a deep sub-soil

\section*{plow.}

It would he a nice question to determine how these insects cau subsist in the larva state, and be suljected to all the various changes of heat and cold, wet and dry, for almost a whole year.
This fact would seem to imply that there is no This fact would seem to imply that there is no
other remedy than the one which we have suggested, because any application that would des troy the larve mightt also destroy the wheat, and unfit the snil for a subsequent crop. If the plowing down seems to be necessary from the presence of these larve iu the soil, a crop of
corn or late potatoes may still be raised upon it. But many of these larve do not reach the ground, but remain in the husks of the grain, and are carried to the staek and the grain-mow. According to the experiments of Dr. A. Fitch, they do not die in the grain husks, but, on the contrary, on the application of moisture they revive again.
Mr. R. say's that he has on virious occasions rubhed infected wheat heads until they werc completely divested of their grains, and found that the larger mumher of the larve remained in the claff. It has long heen his opinion that the chafl may pass through a threshing machine and a winuowing mill, and the larve or pupe be still in it, comparatively uninjured. A portion of this chaff is fed to cattle, but a large portion reaches tine harn-yard, and is from thence hauled to the fields. Wht
be iufected fo ought to be hurnt.
There are contingencies, however, through which the safety of the grain crop is often cf fected, other than hy artificial means. Cold
wet weather may so farr retard the development wet weather may so far retard the development pa state, which it must necessarily pass through hefore it assumes the form of a fly, until it is too late to do much damage to the wheat. The present state of the weather seems to be favor-
ahle to that end. But should it appear too late ahle to that enc. But should it appear too lame wheat in a backward condition, in low, sladed situations, that will serve its purpose ; or it may deposit its eggs in the glumes of the different its existence, as it does in England and on the continent of Europe, from whence it was first continent of Europe,

Armies of caterpillars are desolating the forests in some parts of Tennessec.

\section*{CALIFORNIA GRAIN MARKET.}

We have recently hati nur attention called to He protuctions of Calisn wial, eqpecially its grain exportation to the E Unitecl Slates, as well as te paiors of the of Europe. This is of special importance to just now, when wheat is commanding ense mons prices, and when we spread out fiftect to twenty greenbark dollars for a barrel of rain produeing terrionry-a very respectable ract extending from the Atlantic to the Pacific, (leaving out the Rocky mountains and the Apalachian ranye), and embracing upwards of tinirty degrees of latitude. Heretofore we have been dazzled with the auriferons
productions of the Pacific Coast ; now are more agreeably surprised with its solden harests of grain.
and reliable statistics at San Franeisco, is find that from January 1st to March Ist, 1867
there were received \(1,232,000\) saeks ( 100 pound each) of wheat, which was maiuly exported small part of it only coming to our Easter eities, while the balance was exported to Great
Britain, China, Japan, Australia, Mexico and he IIawaiian Istands. These receipts are said o he larger than usual ; which fact proves that wheat growing in California is vastly on the increase. The quantity of barley, oate, corn From this statemeut it is evident that we need not hunger for breadstuff, but can call on California when famine approaches our doors If that State exports the immense quantity of grain above mentioned, what must be her aggregate production? She must keep immense tores for seed and consumption, besides sup plying he
for flour.

\section*{osage hedging.}

Tue Prairie Farmer states that owing to tive figh prices of fencing materials and the dilliculty of getting them, it must lead, and is leal\} ing, to a general adoption of the hedge for an
outside farm enelosures. For this purpose the Osage is the main reliance in the prairic region South aud Sonth-west of forty-two degrees Forth, and in some cases still higher than that. Iost of the seed now used is brought from 'Tex and Arkansas, and is ohtained by peeling the orange as we do an apple, passing them through a roller-mill, when the pulp floats off and the seeds sink to the bottom. The sceds are dried and run through a fauning mill, when they at ready fur narket.
Parties in Kausas contemplate petitioning he Legislature of that State to pass a law making a hedge a legal fence as soon as planted, and holding parties possessing stoek, rumning at large, responsible for any damage done by . This course, it is supposed, will lead to a eneral fencing with hedges, and preserve the imber bordering upon and interspersed over he country from the destruction which fencing wilh it must involve
Dabry Capitalin Ohlo.-At a late meeting of the Ohio Dairymen's Association, the folowing statement was made:-The amount of capital invested in the dairy business of Olio. 8 estlmated at \(\$ 264,628,850\), of which the cors, at \(\$ 50\) eacll, amount to \(\$ 34,516,750\); the and, at \(\$ .50\) per acre, \(\$ 207,101,100\); teams and implements, \(\$ 23,011,000\). In 1865 , the num-
her of milch cows in Ohio was \(69.5,337\); the butter product \(32,554,535\) pounds, and the cheese produet, 16,9t0,213 pounds

Tur Griftin Star, (Ga.) says the demand for corn, in that section, is very cmplatic and prices are advancing. It advises the farmers o pay less attention to cotton and more to the production of breadstufts. When the South hecomes self-sustaining as to brcad it will be the better ahle to extend the business of mising cotton if desirabie. The Star is right, whether its advice is liceded or not.

Grassmorpers threaten to make sad havo ith the young grain and grass in Kansas.

\section*{agricultural items.}

Tuere is a great scarcity of cattle in the neighborhood ot Shclburne, V ermont, most of many farners being unuble to keep them on brimgst thirty dollars a ton, and still hats an upward tendencs:
A San Antonio paper complains of dronth
in liestern 'Texas. The graziug in that region
os siffering from this source-an monsuat thing this scason.
\(t\) at fox hunt in Belmont county, West Vir ginia, recently, the hunters returned home at
night, leaving the hounds ruming. Tie dorss, killing and injuriug eighty of the ilock. The Walue of every sheep killed. England, France and the United States, is is whed that France obtains fifty per econt. more he Linited States, and England one lundred es superior cultivation and manuring.
The tobacco crop of Virginia, now coming ed tor many years past, and is commanding ex St. Lonis consumed last fear', in the manulature of 217,802 barrels of heer, 500,000
bushe of barley, worth a m:llion of dollars. By carcful selection for four years, Mr
Hallent, of Eugland, produced whear, tha
lecads of which contained threc times a grains as the original head, and that A Mr. Warren of Hancock county, Maine,
uses as :t wash for barns. onc bushel of lime, four pounds of sall, and two pounds of white
vitriol. This stood the weather very well. Paint of any eolor can be atded.
A correspondent in the New Eugland Farmsucking themselves by smearing the bags and teats with the most offensive grease that can tound about the premises.
Radish or latuce sow有 ction against the striped hug, which prefers his food to the young vines.
There is an Ligg Preserving Company in Cit: . With a capital of \(\$ 50,000\).
Mr. Nathun Mosely, of Goodgrouncl, N. J. writes to the New York Faruners' Club that ho has shot at different times four king birds which
he thought he caught iu the very act of catching honey bees, but on exauining their cro no bees were found.
respondent of the Maine Farmer says Jersey cows, roses hloom through December in he opeu ail, and that in New England the need blanketing as much as a fancy race horse rafed onc hundred and fifty bushels of tarnips per acre by sowing among his corn. He did outak they alfeeted the yield of corn at all. New Haunsshire has three million dollars invested in horses, four and a half milliou in catmillion in shcep, and six hundred and seventy In Lhousand in swine
Ind there
In lingland there are many farmers who ap suphor themsefves and large fami ics on the product of six acres, besides paying heary rents. Agriculturists iu Germany, who are proprictors of five acres, support themselves the remainder:
If a stable is kept clean, cows will go into 2 driven in.

\begin{abstract}
A Produce exchange has been oprened in
\end{abstract} exports.

A Mr. Park of Georgia has epecimen heads of Egyptian seven-headed wheat, grown in Essex, England, from seed found in the wiaphundred years old.
\(\Leftrightarrow 2 \Leftrightarrow\)



\section*{\(\sqrt{2}\)}

Ifarming 䀦iscellany．

\section*{ASPARAGUS．}

\section*{Written for the Farm and Fireside，}

This is an exeellent early vegetable tha most people are fond of，and all who are no so，ought to cultivate a fondness for it，and cultivatc asparagus for every day eating，so long as it remains in season．Coming as it dcee among the very earliest of our Spring
vegetables，and possessing mild medieinal prop－ vegstables，and possessing mild medieinat prop
erices，aeting as an aperient and alterative，no atrer early vegetable is so wholesome and worthy of first－elass cultivation．Every family having a half aere homestead，onght to have home cor an asparagus bed home consumption，and every market farme table，and bestow npon it four times more at table，and bestow npon it four times more at
tention than has been the praetice hereofore A large inerease in quantity，and improvemen in quality，are absolute necessities，and will pay the producer largely for all extra ontlays A new system of asparagus eultivation tha will cheapen production，increase the yield， aud greatiy improve the quality of the mate rial，has lately been inauguratel，and should bccome general．The seeds are sown early in May，in rieh，warm，finely pulverized soil，and being thinned to about ten incles apart，and kept free from weeds，are permitted to grow until the plants begin to turn yellow in the Fall，when the tops are ent off two or three ineles from the ground，and the roots trans ferred to the permanent bed，whieb has been deeply dug，liberally mannred underneath，and the soil in the finest possible state of commi－ antion．The roots are set in so deep as to
coser the crown about an inch，in rows two feet apart，the plants having a space between them of eighteen inches in the rows．
The planting having been aecumplished mulch all over the bed evenly，about four inch－ es deep，with fine straw，or refuse hay litter or，what is better than either，forest leaves， and having thns put the young asparagus com－ fortably to bed，and blanketed it secure from frost bites，leave it to its long Winter nap．
In the Spring，as soon as the earliest vegeta－ tion begins to start，remove the mulching， rake over the surface carefnlly，and dress with some fine \({ }_{2}\) active fertilizer，free from seeds of grass and weeds．We have fonnd，in our as paragus practice of twenty－five years，the fol lowing composition to be the most efficien dressing of which we have any knowledge ：－ Three parts wood ashes，two parts plaster，two guano；the whole thoronghly incorporated and sown by hand in a belt along each row enough to fairly cover the surface－the exact quantity is not essential．
The plants should be sparingly cut the firs Spring，but the second，and afterwards，on n！ to the sixth season，yon can cut in as liberally as you will－remembering to have the fifth year a new bed for the succession．
Asparagus propagated in this manner is much more vigorons and piolific，as well as better flavored，and－more tender and delicate than that produced from old roots，as has been the universal practice．
June，1867：

\section*{raisng pear trees．}

Dr．Van Mons，of Belgium，has written letter to a correspondent of the Magazine o Horticulture，in which he describes a new mode of obtaining pear trees，whicb，if reliable will result in increasing the number of trees in definitcly．We snggest to all who arc trans－
planting pear trees，to make experiments ac－ planting pear trees，．to make experiments ac
cording to the process described below，as it will cost little or nothing to do so．
But if the fact be as he describes，why lave not hundreds of us who have been digging up pear trees for the last twenty years，leaving portions of their roots in the ground，found them springing up and making fine tress？Let
ns try it．The Doctor says：＂I now propagate ns try it．The Doctor says：＂I now proparate
fo：ayself and intimate friends the most choice
varieties of pears，which I obtain by means of
the roots．Not a single one fails in this ner proeess．It is immaterial in what manner they are set ont．This method I discovered acei－ dentally，in consequence of some roots on whieh I intended to graft other kinds of pears， being thrown on the ground and eovered with a little earth，to preserve them until used for that purpose，and whicin were lost sight of and forgotten until the next Spring，when all of hem sent up stocks，which，in the Autumn， rcre as tall as those raised from the seed of two years＇growth．They can be set out in the Spring as well as Autumn．If I had sooner known this method，I shonld not have lost single one of my new varieties of pears，for roots eould have been taken from all the kinds in my large plantation at the time of its de－ truetion．Sueh routs shonld be selected as have one or more terminal fibers，and those hat are often cut off or left in the earth when tree is transplanted，sueceed well．They ean not be too small，bnt should not be larger than the finger．The wonnds at the large ends of the roots shonld be eovered with tbe same composition to protect them，as in graft ing．They must be set obliquely

Care of Farming Inplements．－Want of care，on the part of farmers，in cleaning and housing implements，adds materially to the cost of their farm operations，and，of conrse， mpairs their cash balance at the end of the sear．In the report of the trial of reapers and nowers at Auburn last season，oecnrs this time－ and suggestive passage on the earelessness ents：－＂．It is unjust respect to their imple ＂ent ：：－－＂It is injust to the maker，whose to the agricultural interests，becanse the rapid deterioration in value of the maehine lessens the real eeonomy in its use；it is unjust to the onsumer，because everything that enhances he cost of production necessarily adds to the rice of the product．＂With reference to ma－ chines and their treatnent，the report contin－ es ：－＂As soon as the last work is done，the ournals and bearings shonld be wiped，and all dust removed from the exterior，and the na－ chine should be placed under cover，in a level osition，where no part is subjected to strain． We are surprised that such advice should be needed，but as it clearly is，we can assure our readers that they will profit greatly by taking heed to it．＂When one sees valuable machines exposed to the weather for months，as they are in many instances，this rebnke of the practice cannot be regarded as untimely or impertinent．

Wet Weateer．－We don＇t insist on the ap－ pointment of a new＂clerk of the weather， ont his intemperance in tbe distribution of the pluvious fluid，for a fortnight past，suggests late planting，grumbling farmers，over－work， and possibly late crops for Jack Frost to nibble t．So great a quantity of rain has not fallen， in Spring，for many years；and in many parts of the conntry half tie corn is not yet planted． Even much that was planted comes up pale and sickly．There is this consolation－grass never looked better，and the caterpillars and the grubworms have been partially destroyed by the long continned storms．Onr grain and orchard crops may come out＂all right，＂yet．

Kinn words are looked upon like jewels on the breast，never to be forgotten，and perhaps， o cheer by their memory a long，sad life while words of cruelty，or carelessness，are ing scars which will be borne to the grave by heir victim．Do you think there is any bruised heart which bears the mark of such a wonnd rom you？If it is a liring one which you have wounded，Lasten to heal；for life is short－to－ morrow may be too latc．

To Purify a Slak．－In hot weather it is a nost impossible to prevent sinks becoming foul nless some chemical preparation is nsed．On ound of copperas dissolved in four gallons of will completely destroy the offensive time

सdvertising 柇epartment．
Rhode Island．
 thond yile
W．e．barbett \＆co．，
roprieto
Rhone islann agricultural ware house， Forse Hoes，the hest in the world．
100 Kulling，new，one and two horse Mowing Machines，which
are unsurpsssed by any in the martet，and warranted
Culon two horse Mlowers，warranted．

\section*{00 Whitcomb＇s Wbeeled Rakes，inprove}

\section*{100 Horse Yorks，all good kinds．}

\section*{I00 Mounted Grindstones．}

\section*{500 doz．Hand Rakes of various kinds．}

\section*{Scythes，from the best makers．}

\section*{Snaths，new and old patents．}

\section*{200 ＂ 100 \\ Revolving Horse Rakes，and all kinds of first class Fsrming}
he filled promptly．



new evghand agriculturdl society，
Rhode Island Society for the Encourage ment of Domestic Industry，

\section*{narragansett pari assoctation，}

On Tuesday，Wednesday，Thursday and Friday
SEPTEMBER 3a，q4l，5th and 6tit，186\％．
the premivm list will amount to nearli \(\$ 10,000\).

\section*{\({ }^{\text {and }}\) \\ \(\substack{\text { com } \\ \text { com } \\ \text { tom } \\ \text { time } \\ \text { time }}\)}




\section*{\begin{tabular}{l} 
at an early day \\
GEO．B．LORING， \\
\hline
\end{tabular}}

GEO．B．Presiling of Salem，
DANIEL SEEDELE


the narragansett park，



 the stables．


\section*{－water．}



\section*{}

\section*{1月assachusetts．}
\(B^{\mathrm{y} \text { matl，prepain．}}\)
choice flower and garden seens；


\section*{}





Hew 䍐ark．


\section*{Pennsyluania．}
\(\mathrm{R}^{\text {HODEB }}\) SUPER．PHOSPHATE．
For Sor．untim Phosphozic acid．Valuable for EY゙ERY DEscRIPTION of CROPS．
Ports

 Frormerb，wition trillingo

\section*{RHODES，SUP女R PHOSPHATE}

> YARNALE \& TMBLELE,

418 Sìith Wharres，
419 Peumn．Street， 3 m
OAD SCRAPERS，made of old Car Wheel Thr smle hy
W2 Canal Street，Protr idence，R．

TERMS OF ADVERTISING．
Alimited numher of advertisements will he published in the FARM AXD Fireside．Price，frieen cents 2 line each hneer－
tion．Advertisements are set up in a oniform style，

commission to local agents．
 State．Every subscriher for the FARM AND FIRRBDID may act as local agent for the same．For every yearly sulscrizer
the commsssion is friy geent，or twentr－ive cents for each balt

\section*{IN MONTHLY PARTS．}



enterien accormino to act of congress, in tue year 1867, by S. s. foss, in the clerk's office of the district coctrt for rhone island.

\section*{SHORT HORNED HEIFER "LADY SUSAN, 2ND," at 20 MONTHS OLD. Property of h. g. White, south framinghata, mass.}

Trae race of short-horns, for its antiquity and from deep blood-red through all the interme permanence entitle it to be so considered, is, without a questiou, the most universally popular, and the most widely distributed of any of the known varieties of cattle. Not only has it established itself in almost every county of England, in spite of the various local breeds, but in Scotlaud and Ireland it is almost equally at home. On the contiuent of Europe it has fairly gained a foothold, notwitbstanding strong national prejudiees, whilst the lately developed contincut of Australia has taken her share of those noble animals to oceupy her vast feediug grounds. Some have gone to South Africa, aud an occasional one to South America, the West Indics, and Mexico, hesides the great numbers imported iuto the United States and Canada. Iu short, this favorite race is rapidly planting itself wherever there is any improve ment in agrieulture or the rearing of eatlle encouraged or the English language spoken. And they must make their way wherever soil and climate are suitable, and the people are Intel ligent enough io appreciate their merits, in our own country the importations of this hrecd that of any other, and its especial adaptation to the rich grazing districts of the West gives it a prominence above them all
The majestic size, proud carriage, and beau lifully variegated colors of the short-horn ren der him easily recognized hy the merest tyro but few who thus admire and recognize then are aware how many qualifications go to make up this splendid whole, or how earefully ench point has been weighed and discussed, and it relative value decided; how the useful part are divided from the ornamental and fashion able, and how systematieally the whole has been carried out.

As regards color the latitude is very great,
ron deep blood-red throurh all the interme diate shades aud mixtures to pure white, but aever met with in thorough-breds. Fashion bas vindicated the rich red aud purple roau a the most desirable colors, and after them red White is sometimes oljected to, under the iupression that it is apt to spread through a herd nd overpower the other colors; but this fear more conmou in this country than in Eng and, where white hulls are ofteu used. Red and white, in blotehes, witl defined edges no unning into roan, is disliked, and the terim "patchy" is apipled to it. This diserimina ion, however, as regards color, is entirely ar itrary, animals of equal excellence and breed ing heing found of all these colors.
The essential peculiarities of the lmproved hort-horns are, early maturity, a great dispo ition to fatten, a renarkahle evenness in lay ing on their flesh, a gentle, quiet temper, and, in some tribes and families, a large secretion o milk. It has heen claimed hy some of their nore zealous adyoeates in this country that hey make good oxen, hut we hardly think however docile aud powerful they may be, that Hhey can compete in activity and speed with some of the other breeds. Taking iuto con ideration these eliaracteristics, we see how ad inirably adapted they are for the larger portion our country. Wherever there is fair pastur are, good water, and shelter from the extremes of beat and eold, there the short-horn thrives. Over the broad prairies and blue grass pasture of the West, iu the rielt valleys of our great vers, he roanss and flourishes as though in his ative vale, and readily adapts himself to the change of situation and elimate. But it is to he crosses of the shorthorn that we must look for the most geueral adaptation and dissemnation of the breed. The himh ralue of the
thorough-lareds for breeding purposes must for any years prevent their uuiversal adoption, alud it is only by crossing them upon our sofit from them. Furtinately for us, no breed more promptly and strongly stamps its impres apon other blood thau this one. All the writer ou cattle unite in this opinion, aud some even advoente crossing the short-horn or other pure races, with a view to their improvemeut. We shall usually find, however, the most remark able and satisfactory results when the short horn is put upon a mongrel or a lately estab ished hreed, as then the deep breediug of the sire will ohliterate the numerous thin strains or the dam's blood, and the produce will resemble the superior race. The cross between the uative cow and the short-horn hull almost al ways produces good milkers, and, as a whole they afford more milk of a better quality than any other hreed, and, when dry, they feed quiekly aud make excellent heef.
Numerous experiments have been tried in Englind in erossing the short-horns, with various results, but geuerally with adrantage to the race upon which the shorthorn bas heen put. Even with the Devons the result has been satisfactory; though this is sourewbal at variance with our preconceived notious of rreeding, which do not lead us to expeet muel where two such opposite and distinetly marked races, both of great anticquity, are hrought to rether. We give below an instauce taken from a communication of Charles M. Bolton to the Britush Farmer's Magazine. Ater deseribing a heifer of this cross that had just been ted and "slaughtered, he says: "I have seen many excellent heasts bred from improved hort-horns and long-horued cows. Indeed, I never knew any one of these bulls put to any
lam. But the cross which I advocate ame with whieh I am best aequainted is that with he Deron cow. I have uuiformly remarke hat cacb suceceding cross was attended with proportionate improvement in size, quality of flesh, [?] and aptitude to fatten. In every instance they have shown themselves superio nilkers, and stand to the pail till within six or eight weeks of ealving, and several instances have come to my knowledge where they have ever heen dry since they first calved.
Tbe steers are tbrifty and lay ou fleslı rapidand evenly, and are ready to turn off at two and a half or three years old. They are hardy stheir native parent, and hear transportation and driving admirably, shrinking less than the thorough-hreds. The greater proportion of the attle now brourht from Ohio, Indiana, and Illiuois, and from even further West, to supply he New York and Philadelphia nkarkets, ar crosses of this character, whilst the butcher is rarely disappointed in the fiftl quarter

So much importance has long been attached the desceut and renealogy of this hig-bred race that a herd book, or muthentic register of he breed from their earliest existence, or a least from the date of the earliest registers kept by the first importers of the hreed, was started in 1822, by Mr. Gcorge Coates, in England, and has been eontinued by his suceessor in the enrprise, Mr. Menry Strafford, up to the present time. It now numhers fourteen large octavo olumes, and records the pedigrees of 19,176 bulls, together with a much larger number of cows and their produce. America, France, and Austria, have now their own "herd hook, founded on the English or parent one, to whie most of the pedigrees refer in their origina eseent. Our own now numbers five volumes, and is puhlished at short intervals as the con-
Curious Property of Iron.-In 1850, Mr. Marsh, an able chemist of the royal arsenal, England, discovered that it is invariable with iron whiel has remained a considerable time under water, when reduced to small grains or an impalpable powder, to become red-liot, and ignite any substance with which the knowledge of this fact is of immense importance, as it may aceount for many spontaneous fires paper containing it, and burnt a hole in his poeket. raced. A piece of rusty iron, hrought in contact witl a hale of eotton in warchouse or shiphoard explosions, the ortyin wion loss of many lives. The tendeney of moistened partieles of iron to ignite was diseovered by the French ehenist, Lemary, as far back as 1670.


\section*{Fhe Fireside wate.}

\section*{Jerdsalem the golden}

\section*{Jerusnlem the Golden,
I langulah for one glea}
of nll thy glory folden
In dlstanec nnd ln dream 1
Hy thoughts, ilike palms in exite
Hy thoughts, like palms in exile
cllmb up to look and pray Cllmb up to look and pray
For a gilimpse of that denr count That lies ro far away.

\section*{Jerusnlem the Golden,}

Nethinks ench hiver that
And every hird n singing,
of the same secret knows I know not what the flowers Con feel, or singera see
But all these Summer ras Are prophecles of Thee.

\section*{When sun sect in then} It seems the gate of glory Thou clty of the blest 1 And midnlght's starry torches,
Through intermediate gloom, Are waving with their w
To Thy eternal home.

Jerusalem the Golden !
Where tortlly they slig O'er pain nnd sorrows olde For ever triumphing
Lowiy mar be thy portal. Lowly mark be thy portal,
And dark may he the door, The manslon ts ImmortallGod's palace for His poor.

\section*{Jerusatem the Golden !}

There all our hirds that Iiew-
Our flowers hut half unfolden, Our flowers hut half unfolden,
Our pearis that turned to dew And nll the glad life-music Now heard no longer bere Shall come again to greet us,

Jerusalem the Golden It oll on day hy day: Hearl-sare ench nlght with louging
I stretch my hands and pray, Thnt mldst Thy leaves of healin My soul may find her nest,
Where the wicked cense from here the wicked cense

\section*{The Field.}

\section*{DO WE MOW TOO MUCH LAND?}

Wildarn, in one of his agricultural letters from Europe, a short time ago, discussed this question, and says that wheu in England, the past season, among the dairy farms, we found this question studied and reduced to a hetter system than with us. It is a matter of some importance there to know how to keep a liberal amount of stock on a small space. By increasing your stock, you not only add to the receipts or income, but also to the fertility of your soil from the increased quantity of manure. They helieve, therefore, in extending area of pasture lands, converting the greeu feed into milk, butter and heef, while the hay lands are reduced to the smallest compass possible. Whercver they can irrigate meadow land it is donc, and large yields result. Some adopt the system of alternate cropping and mowing in order to keep up permanent meadows, and this, of course, in addition to topdressings. But they have another system, not common in this country, and that is, the produetion of hay on arable lands, in regular rotation crops, under three, four or five course
shift. For instance, the rotation may be shift. For instance, the rotation may be
wheat, turnips, harley, grass. The last may bc wheat, turnips, harley, grass. The last may bo shift adopted, when the land is broken up and put to wheat. New, under this system, the land when put down to grass is seeded heavily, often with from \(1 \frac{1}{2}\) to 2 hushcls of the lighter seeds, and 12 to 15 pounds of the clovers. The result is an immense yield the first ycar-as much as \(2 \frac{1}{2}\) tons and more per acre. I went
upon meadows of this description where the yield of hay must hare heen at least \(2 \frac{1}{3}\) tons, and I estimated it at 3 tons per acre. Then, in Winter, they elop the coarse fodder or straw, and feed with oil cake, and in this way get along with much less meadow land than do our farmers, besides keeping mor

We learn from the West that the grass on the plains is not sufficient for pasturc. It is six weeks later than usual.

\section*{对arious 解atters.}

\section*{coral jewelry.}

Tue Paris correspondent of ar English paper directs the attention of siglit-seers in the Exhinition to the brilliant display of eoral jewelry from the estallishment of an cminent London Jeweller. His eases contain specimens of every variety of natural coral, ats well as of ceery ornament into which it has heen wrought by art. The necklaces, bracelcts, car-rings, beads, bonqucts, foliage, cameos and bas-relicfs are descrihed as of the most elahorate workmanship, and exquisitely mounted. One of the necklaces is valued at \(\$ 3000\) in gold.
This account may surprise readers who have never associated any idea of heauty with the manufactured forms of coral. It is no wonder, or taste and skill are not too plentiful iu the world, and the jewels of this material which we commonly sce are coarse, clumsily cut, and are dear at any price.
Te securc a different result several things are needed. Of the varicties of coral known to commeree the number, we helicve, is fifteen.
There are several whieh are totally unfit to be rorked into the higler forms of ornament. A discriminatiug eloice of material is the first step. The second is the detcrmination of the form. For this an artistic taste is nceded, which does not make part of the stock of every goldsmith. The third indispensable requisite a skillful hand. The cutting must he at nee sharp and delicatc, and nothing is easicr than to bungle.
Under ecrtain conditions coral is an excellent material for art. Its heautiful color, the solidity of its tissue, its resistance to atmosplueric action, and the fine and soft polish which it readily assumes combiue to recommend it. But while human artists can work it into forms more convenient for our use, they can never hope to attain the skill of the little workmen under the water. Natural coral has brought hefore now twenty times its weight in gold, We heliere that there is present among the collection in the cahinct of Yalc College a specimen which is unsurpassed in this counspecin
itry.

\section*{THE APPLE TREE borer.}

A sure remeny aganst mis attaoks.
I say in the leading of this article, "a sure remedy against his attacks." Yes, and I he-
lieve the only certain and reciable remedy. The ieve the only certain and reliable remedy. The very beautiful bug or heetle, which deposits its eggs at or near the surface of the ground, on the trunk of the tree, during the ruonths of May and June. I think each bug lays from fifteen to thirty eggs, or else they lay different clusters of then; hut it is no matter-they lay enough of them any way. These cggs hateh out in a week or twc, a nicc, plump, little borcr-ycllowish white, with a yellowish red head-rery small and trifling at first, but he immediately hegins to fulfil his destiny hy eating his way through the bark of the tree, which t takes him frons six weeks to two months to accomplish - not usually going straight through, but reaching the wood about half an incl from the starting point; at this time he length. He now commences to feed on the liber and adjacent wood, and grows apace until cold weather commeuees, when he usually eats his own way downwards below the surface of the soil, and there hyhcrnates during the winter. (At least I think he hybcrnates.)
The next spring, as soon as hard freceing is ver, he gocs to work rigorously, still fecding on the liber or inner hark; by fall he will hare attained a length of \(\frac{1}{2}\) to \(\frac{3}{4}\) of an ineb, when he always-I believe-works his way below the surfacc of the soil and apparently feeds but little until spring. With the commencemeut of warm weather he is again vigorously at work, and as he has attained considcrable size, it takes considerable to supply his commissary
ing this third und last summer of his life is the
time when he does the most of the damagc.
In a tree one or two inches in diameter, one horer will eat all around until it eomes within a quarter of an inch of girding it. In karger trecs, there are usnally from one to five to a
tree, if any; one borer in a tree threc or four inches in diameter does not generally or injure fatally without he cuts clear around it, whie is not often the case; but when there are more they almost always cut within about a quarter of an inch of each other's burrows, which gen crally proves fatal.
We have now followed a specimen until he has reached the third and last fall of his growth, at which time he is a full inch or more in lenght, and of the thickness of a goose quill between this time and the first of the follow ing May, our borer cuis, a hole dircetly througls the trunk of the trec, a few inches ahote the surface of the soil, within all but a shaving of the bark ou the opposite side; then drawing himself lack a little, he gocs intothe: chrys ecks, he emerges a perfect bug.
Now, having followed him through his changeful lifc, and knowing something of his habits, I will suppose that I have a young orehard of any number of trees, say a thousand; the second scason after planting, about the last of July, or during the first half of August, will a commou hoe, I take all the weeds and other trash, and about an inch of soil, from the crown of the trees; then, any time from the first to the middle of September, with a poeket-knifc, examine carcfully the stem of eacli tree; the horer can be readily found by the refuse thrown out of the hole made on entering; this refuse of a horcr of the same season's growth, will be ahout the size of a pea, and, heing of a glutinous nature sticks around the mouth of the hole, and cau readily be seen; older ones throw out coarser chips that fall to the ground. When one is found, take the knife and cut him out. If an orehard is carefully examined in this way each fear, there need be lunt few, if any borers missed, and as they are more easily found the second fall of their growth, and can have donc but little damage at that time, we would never reccive any serious injury from them. Now it he litter lask to do this ; a man will clear day, and ean take the borers out in another day. I will agree to do hoth jobs carcfully in -
The American Fapmer's Holse Book. By Robert Stewart, M.D.,
This is a handsomely bound, abundantly illustrated work of six hundred pages, written by a reterinarian of twenty years' practice. In addition to the suljects usually treated of similar works, it contains a full description of the causes and nature of several discases peculiar to the American horse; original and effective modes of treating some diseases here tofore considered incurable; and an extensive treatise on stock raising and stock management he work will be a valualle acquisition to the

Geo. W. Indson is eanvassing agent for the State of Rhode Island and will call upon our friends to subscribe.

A Hint. - Those who keep their wagons and carriages in good order, slould place a wrench on every nut at least once a month. This will save nuts, save holts and prevent rattling and wear and tear. There is a great deal depending upon looking after the running-gears of vehicles as well as the harness. For want of a little attention accidents have happened and damage been sustained, thercfore take the hint.
at We take pleasure in calling the attention purchasers to the advertiscment of John Giles, South Framingham, Mass., who offers for sale the pick of his fine herd of Alderncy cows and heifers, and also Suffolk pigs that are not surpassed in the country. To see them
will be to buy them.

Agrionltural Envoartov, - Talk of agrieultural improvement, of the difficulty of getting the lahorers to takc to a new implement, or adopt an improved methad! What makes you to see its advantages and adopt it? Your mind. What cultivatcs your farm hetter than your neighhors? Your mind. If that alone be left uncultivatcd around you-at cvery point, at cevery town, in cerery field, in crery hedge, in every ditho, in your housc, in your
dairy, in your stable, in your barn, every where, and at every time, hy day and night, winter, spring, summer and autunn, -lice necrlect that has been aldairy, in your stable, in your barn, everywhere, and at every time, hy day and night, winter, spring, summer and autumn, - the neglect that has been al-
lowed to sow itself, the moral weed crop, will meet your eyc to bafle and torment you with the fecling so trutlfully expressed when you say that you "have not a single mind you can depend upon." No wonder; you have never tried to make one.

Ificla and Farm.

\section*{potatoes.}

\section*{by alexander hyde, lee, Mass.}

The scason for planting potatoes has re turned, and a few thoughts on this most important of our esculent roots cannot be un-
timely. The potato (Solanum Tuberosum) is a native of America, and is onc of the riches contributions that our land has made to the food of man. It was introduced into England by Sir Walter Raleigh in 1586 , but was very slow in making its way to popular farder of gardening, published a century afer their introduction, they are spoken of slighttheir introduction, they are spoken of slight-
ingly, as fit only for poor pecple. Evelyn, writing in 1699, says: "plant potatoes in your worst ground," and the "Complete Gardener,"
published in 1719 , makes no mention of the potato as among the products of the garden It was uear the middle of the eighteenth century that their virtues began to be appreciated. The primitive mode of raising them was on the same ground year after year, gathering a few tubers in the Autumn for Winter use, and covering the balance with litter that they might
stock the land for another season. With poor seed originally, and such cultivation, no wonder they were considered "inferior to radishes," and were slow to assume their proper position among the esculents. How the peasantry of Great Britain lived before the introduction of potatoes and cabhages is a puzzle,
as these two articles now constitute a large as these two articles now constitute a large
fraction of their diet. It is only by the Anglo Saxon race that the potato even now is much valued as an artiele of food. It is seldom seen on a French table, and the South of Europe is still in ignorance of its great importance.
Till within thirty years the potato was con sidered the most healthy and certain of crops,
and five hundred bushels per acre was no unand five hundred bushels per acre was no un-
common yield. The potato rot then suddenly made its appearance, causing a famine in Ireland, and consternation wherever the potato was extensively raised. For a time it seemed that the favorite root was destined to run out,
but thanks to a kind Providence, and the persebut thanks to a kind Providence, and the persevarieties, the disease seems to have reaehed its
crisis and is on the wane. The cause of the crisis and is on the wane. The cause of the
rot is to this day a disputed point, but the best authoritics agree in ascribing it to the continued propagation, year after year, by cuttings. The fact that the new varieties raised
from seed are generally healthy, favors this from seed are generally healthy, favors this
idea. Possibly the theory of the late Mr. Knight, the distinguished horticulturist of England is true, who maintairs that the life of all fruits and vegetables is bounded, and that the cion, grafted from one tree into another, will not live longer than the prescrihed limit for the hife of the tree from which the cion was
taken, and so with all vegetation propagated taken, and so with all vegetation propagated
by cuttings. If this theory is true some fruits and vegetables must he long lived, but whetl.er
true or not, varieties do seem to run out, as true or not, varieties do seem to run out, as
the Virgalieu pear and the Carter potato bear witness, and it is safer to plant potatoes that are freshly started from the seed.
We are under great obligations to the late Rev. C. E. Goodrieh of Utica, who has donte
more than any other man in this country to more than any other man in this country to
investigate the potato disease and to restore the tuber to its original health. For the last sixteen ycars of his life, Mr. Goodrieh prosecuted his experiments with enthusiasm, and with the sole object of prescrving this valuable esculent to the world. In this tine he originated fiftcen thousand secdlings, but as he
said "only a painfully small proportiou of said " only a painfully small proportiou of
good sorts." At an expense of two hundred dollars, he procured a few potatoes from Chili, the native home of the tuber, and from them, as a base, hc originated new seedlings, and one out of a thousand proved good. Of these the Early Goodrich and the Garnet Chili are the most widely disseminated, though the Calico, the Gleason and Harrison are excellent
potatoes, free from rot, and flourish wherever potatoes, free from rot, and flourish wherever
tried, whether on the Atlantic seaboard or in
the States West of the Mississippi. Mr. Goodrich was a most accurate observer, and a zuost conscientious and benevolent man, and had his life been spared, he would have made still
more valuable additions to the cause of seience more valuable additions to the cause of seience
and humanity. That he was not a mere speculator is manifest from the fact that during the period of his investigations, his annual expenses exceeded his income from his sales. Mr, Goodrich's observations led him to conclude that the potato grows old aud feeble with time, and that the true mode of renovating it is by reproduction from seed, and not by cross
breeding, as others maintain. He estimates the life of a variety to be ahout half a ceutury, varying somewhat with the climate and soil. It is hoped that the uantle of Mr. Goodrich will fall on some wortby successor, as it is highly important, if his theory of the decay of varieties from age is correct, that ehoice new sorts should be originated, and we see no reason why still further improvements may not be made in this esculent. We suggest to ex perimenters in this line, that more regard he deep eyes and large excrescences be eradicated aud a smootl, round or oblong potato he developed? By the census of 1860 the amount of this crop grown in the United States wa \(110,571,201\) bushels, worth at present priecs
about one hundred millions of dollars, an amount sufficient to justify no little care in originatiug and seleeting varicties and in their cultivation.
The potato is indigenous to the table lands of the Andes, and loves a climate that is uni form, neither too warm nor too cold, neither
too wet nor too dry. A sandy loam is the favorite place for its bed. A clay soil, iu a we season, is specially unfavorable to the health of the potato. It envelops the tuber too closely, diminishes the actiou of the air, light and heat. For years we applied no manure directly to the potato crop, as the rapid growth of the
soft vascular tissues, when grown on manure, soft vascular tissues, when grown on manure,
seemed to render it peculiarly liable to disease, but with the new, healthy varieties, we fee quite safe in using manure again, aud of course obtain a greatly increased product. For seed, we prefer medium-sized, smooth potatoes, planting in drills three feet apart, dropping the pieccs with two or three eyes in each, at
intervals of ten or twelve inches, aud if the intervals of ten or twelve inches, aud if the
work is done as soou as the ground is light and dry, we are reasonahly surc of a good return. The ash of the potato shows a large eheaply furuished the growing tubers hy wood ashes. We have found it an excellent plan, after the potatoes are cut, to place them iu a
barrel, and spread over them a quart or two of barrel, and spread over them a quart or two of the gypsum will he fouud well plastered on the moist face of each pieer. If a little fine salt is mixed with the plaster it will be au improvement.
The cultivation of the potato in a me low oil is execedingly simple. If the weeds show themselves before the potatoes appear, a brush harrow run lengthwise with the drills will wipe off the tender sprouts and save muel hand la-

The cultivator run between the drills, a soon after each heavy shower as the ground is dry, keeps the land light, and Share's double mould board cultivator, with the teeth takeu out, will hill up better thau the hoe. Dig in a dry time and place immediately in a eool, clark ecllar, and if there is any appearanee, or even apprehension of rot, sprinkle a little fine lime over the hin. We have found this au excellent antidotc to the deeay, and it also prevent, trating through the house.
As for varieties we know nothing supcrior o the Early Goodrich for Summer and Fall usc, and the Garnet Chili for Winter and Spring. In health, productiveness and quality, the three leading characteristics of a good potato, they excel all others we have tried. The Colebrook seedling is a smooth, well formcd potato of exccllent quality, evidently originat ing from the old Land Lake, but by no mean as healthy or produetive as Mr. Goodrich' as healthy
seedlings.

Among the edible vegetahle productions of or country potatoes rank the fourth-eorn, wheat and oats only outrauking them, and whoever eontrihutes a good new variety, or
throws new light on their cultivation, we hail as a public benefactor.
June, 1867.
Writen for the Farm and Fireside,
KOODIFIED THE CLIMATE OF THE
UNITED STATES?

Ir is obvious to the common understanding that the face of the Northern United States, in the present day, must differ widely from that it exhihited when first known to the European adventurer. We are told it then ahounded tended from the Northern frontiers of Canada over the entire New Englaud and Middle States, portions of the Western and far into the South; forming the most extended hody of timber on the globe. Many of us have seen the remnants of this mighty forest, have roanned among its massive pines and hemlocks, its giant oaks, its syeamores, its poplars, and its beaches, and listened to the wail of the forest "the fores primeval"-a mourntul requiem over their fel ows, who enduring unseathed the tempests of centuries, lave fallen at length hy the ruthless hand of destroying man. So great and extensive has been this wasteful removal of the timber trees, it would seem to have been real ized, as of old, that, "a man was famous ac eording as he liad lifted up axes upon the thick
trees." Were we permitted to translate the ancient text, we would have preferred to cal him infamous who should so lay waste the heritage of the Creator, destroying the good gifts which were designed to bless our race Iguoracce may not be the parent of every evil but it is truly the souree of untold mischie a sin recognized by our moral code. Unfora sin recognized by our moral code. Unforhas not yet persivived wherein it greatly errs, in its under estimate of the value of a compre hension of, and obedience to, the physical laws of the Creator. By many it may be considered unreasonable that it should so do while carcely coguizant of their existence and even gnoring many of the moral laws, obedience to which deeply concern not only our temporal but our eternal welfare. But Providence "has worked hy means since first He formed the world," and still employs physical agencies to do his behests, and governs these agents by laws as fixcd as fate; yet so easily uuderstood n their general applicatious by those who will but inquire aright, that he is indeed inexeusable who neglects them, and his punishment for disobedience inevitable. So surely and prompt y does the reward of this neglect of the Creator in his works follow the error, it would almost seeu that Hc esteemed the disregard of His labors and His laws a contemuing of His yoodness and His wisdom. As His elrastenings re ever tempered by merey, we may safely regard our sufferings as iueentives to enquiry that we might learn His ways and eseape the consequenees of ignorance.
Sooner or later the truth is foreed upon man, and he discovers that he cannot arrest or conrol, with all his iugeuuity, the certain march f causes which are at work around him, that must succumb in the warfare with uature and that his only safety lies in working with her; studying her plans, and laying his own parallel therewith.
These remarks appear to us a natural preface to the consideration of the causes whieh have heen at work for a few gencrations unodifying our climate, and rendering it unfisted for the regular produetion of many morc tcuder fruits which were onee rcadily and abundantly growu, That such ehauges have beeu brought about, no refleeting or well informed pomologist will deny; then wherefore have they resulted, and how can the attendant evils be remedied; and are these results general, and if not, where are the favored districts yet boasting their primitive fruitfulness? The question why has the destruc-
tion of our forests rendered our fruit trces bar-
ren, over a widc portion of the interior, is in tself a vcry interesting question, even were it paration.
It has heen frequently asserted that man has effected few changes in nature, especially that the destruction of forests, the drying up of marshes, the opening of wide tracts to the sunshine, have not modified our climate, hecause the records of the meteorologist do not exhibit satisfactory evidence of such changes. That satisfactory evidence of such changes. That because we have now aod then a season of
severe cold precisely as known to our greatgrand fathers, we have not hecome warmer, and hecause we suffer from an occasional "heated erm," we have not become cooler. But that change has taken place is ohvious to the pomologist, if not derivable from the records of the meteorologists; while the common opinion of meu unites iu the belief that the climate respects heat and cold, has heen modified, and that though no sensible change has been made in the nieau annual temperature, such a modification in the distribution of heat annong the seasons has heen produced as greatly to influence vegetation. Historians of the States earliest settled inform us that the seasons aud he weather were uniform and regular during he first years of the arrival of the colonists, hut that the seasons are now totally altered, and the weather iufinitely more changeable. Observations longest continued in the United States, ou which reliance is placed to dispute these conclusions, have beeu made in cities where the influences of the surroundings had already heen long at work; and where the helter of many buildings from the earliest days may have marked the results of thermometrical deductions. Early thermometers also
were doubtless of inferior accuracy, and their results unfitted for comparison with those of our day.
But, be this as it may, we believe that iuquiries into the changes that have taken place in our elimate, have heen made in the wrong direetion; that the modifieations, to which we helieve we have beeu subjeeted, are not due to emperature alone, but to exposure to storms nd to the dryiug influences of unchecked curents of air. It is not of as much importance o determine whether the mcan temperature of year, or of a season has been modified, as it is to ascertain whether we are now more liable to visitations of cxtremes of temperature at periods when these extreues may prove detri-
mental to our products, agricultmal or pomological.
The removal of forests, has in the opinion of close olservers of unquestioned authority, caused many changes which have affected the well heing of man. Amoug these may be cited, diminution in the rain-fall; drying up of springs and streams, iucreased aridity of the air of a district ; greater prevalence of drouglits during Summer, and consequent evils to vegetation; and, in many instances the conversiou of wide districts, once fertile and teeming with life, into trackless descrts. Cousequences so momentous to posterity demand timely con-
sideration on our part, lest we also eurse the land and convert our fair heritage into a wi!deruess.
June, 1867.
Gas Lime as a Febtilizer.-An officer of the Edinburg Gas Company, writing to The Seottish farmer concerning gas lime as a fertilier, says:
'I hclieve that waste gas lime is equal in effieiency to fresh lime for most of the purposes aimed at in its use in farm lands. I sold all the lime thus produced at the gas works in Forfarshire, for 16 ycars, to several farmers, who uniformly expressed their satisfaction therewith. One very useful application of it was its mixture with the large pile of weeds and tangled roots of grass clearcd off the fields anuually. Ou being composted in this way, the lime gradually killed all the vitality of these weeds, and returned them to the land in the way of manure. It also served the pur-
pose of opening up stiff clay soils, bcing first spread over the surface, aud then plowed spread

\section*{ \\  \\ c. W. Anvo S. S. FoSs, EDTrors \\ saturdat, Junes, 1867
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\section*{FRUIT CROPS.}

Notwithistanding the cold, wet and back ward Spring, we are receiving iuformation from various sections of the country that the crop of small fruits promises to be very large. In Virginia, Delaware and New Jersey, the strawberry harsest is abundant-far ahead of last year's production. Sevcral correspondents in New Jersey write us that the only complaint is the strawberry crop is so large that "prices
will not be remunerative." We doubt this, provided the berries are within reasonable distances of a market. IIeretofore, in ycars past, the demand has cxceeded the supply. Every body, rich or poor, in town or city, is fond of this delicious fruit, and no fears need be en
tertained of an over-supply. tertained of an over-supply.
The report in regard to raspberries and black herries is not uniformly favorable; but the present indications are that the erop will be ample. In some parts of the country the cancs suffered from the severity of the Winter. This will teach many fruit-growers the importance of winter-protection for the more tender varie ties. This is easily done by covering the stems, when prostrate, with a thin coating of earth, straw, \&e. Pruning the raspberry and black herry is not thoronghly understood as yet.
It is early to judge of the cranberry crop
hut we have favorable reports from Cape Cod to New Jersey, Iu New England, our correspondents write hopefully; in New Jersey more positively. The vines are looking fine and healthy, and where the cultivated tracts were flooded through the Winter, the prospeet is good. At least five thonsand acres of new bogs will come into bearing this year, from districts already he
Of peaches, we have received contradictory reports within the past fortnight. The blos soms, and even the young fruit, were partially injnred by high winds and cold rains on the bay shores of Delaware; but from most parts of that State, as also from Maryland and New Jersey, we have eneouraging reports. There are chronic fulschoods circulated every year by peach spezulators to affect the market value of
this crop. Indeed, of late years, this class of fruit gamhlers have had complete control of the market. But their stories are off-set this
year by the fact that peach shippers have conyear by the fact that peach shippers have con-
tracted for double the amount of freight cars over the railroads diverging from the great peach-grocing chasticts! This is sirong evi-
denee that an unusual crop) of peaches is anticipated. To corroborate this is mother "fixed fact." At a meeting of the peach-grow ers of Delaware, held at Dover, 2:3d ult., was "estimated that the number of haskets of peaches to be shipped from the State, this year, will be from a million to a million and a half!

\section*{OUR BIRD FRIENDS.}

Half a century ago, when trnit-culture had scarceiy a record among rurat arts; when the heart of philanthropy was not as large as it
now is; when the lacteous fluid of luman now is; when the lacteous fluid of human
kindness was generonsly watered, and when the charms of the conntry were but dienly appreciated, Tom Hood asked

Frutt to the blackblird and the thrukhes ?"
Hood was a poet, not an entomologist, yet he
knew that hirds subsisted on fruits and insects. knew that hirds subsisted on fruits and insects.
He knew, also, that there were clowuish and ignorant farmers in England who exhibited their barbariiy by the wholesale destruction of friends that visited his garden; that huilt their dwellings in his orchard, and that cheered his heart with their free-and-easy songs. Hence, his satirical "hit" at the ckurls who poisoned
their wheat fields and wasted gunpowder on the feathercd tribe.
To-day, Entomology teaches us that all the predacious birds are insectivorous; that while they eat, as mere dessert, some of our fruits, they chicfly subsist on noxious iusects. The
observing horticulturist will tell you this, and the scieutific farmer will corroborate it. Th ablest writer on ornithology, Audabon, who spent five-and-twenty ycars among birds, frar clling from Maiue to Oregon, from the grea Northern lakes to the Guif, adds his testimony
in favor of our bird friends. Later writers on natural history have oflered many cloqueut pleas on the same side, demoustrating to tainty that uearly all the birds which frequent our orchards, gardens and farms, are instrumental of good, are in fact, laborers and co workers in agriculture and horticulturc.
Now and then we find an intelligent manone among a hundred illiterate ones-who
takes the opposite side of this question, and elaborates an argument against the birds; but he always selects the most voracious fruit brigand of the feathered family, aud his deductiou, or hypothesis, is that they are all alike; that robin and catbird, wren and cherryhird, sparrow aud kingbird, and the whole tribe of sougsters are first-class thieves. He uight as well add they are all of the same species, all of one ideutical variety, aud the little timouse
wren is a young turkey-buzzard! If such wren is a young turkey-buzzard! If such hology, what are their acquirements in horticulture, agriculture and entomology?
We have followed the plough for twenty years, and cultivated fruit fifteen more, and have carefully studied the habits of iusectivorous hirds, and of insects injurious to vegetation. Our opiniou is, that without those birds we should not raise half as much fruit as we do now ; and that if they were exterminated we should bid good-hye to fruit, and farewell o many grain crops. We have armies of cankerworms, curculios, caterpillars, wheat midg es, de., now, often losiug a great part of onr
crops; but dcstroy the birds and count the crops; but destroy the birds and count the was tried in a section of France, fifty years ago, and the result was a vast increase of fruit destroying insects and sadly diminished erops. We love birds-like them for their melodyncourage them for their heneficent acte, and write this plea for their special benefit. The
season is near at hand when strawberrics and season is near at hand when strawberrics and xtend ripen in our garden, and we herehy to come and see us, to partake of our fruit. We don't raise it for greed or profit, nor are we so despicably mean as to "begrudge for their songs "a few cherries or strawherries to the poor birds. To those who intend to use remind them of Solomon's words: "God de lights not in the life of the fool."

\section*{LEGUMINOUS PLANTS.}

Too little attention is given to the culture of leguminous phants-that numerous class which have their sceds euclosed in "pods." All the ralve species," and are profitable crops on most soils. It is not the amount of money netted from these crops alone, but their profit
as food to different kinds of farm stock. All as food to different kinds of farm stock. All leguminous plants abound in nitrogen, and
heuce are valuable for their great nutritive propertics. Stock fed on ground peas or bcans will fatten much faster than on ground corn, wheat or harley. The feeders of prize bect and mutton, in England, understand this, and justly attributc their success and profit to the liberal use of leguminous food for animals intended for market. The vines of these plants contain consideraluc nitrogen-more than clo-ver-and are highly esteemed by sheep and cattle. Iet many farmers waste these vines, or wholly fail to gather them for Winter use In the Southern States, both beans and peas
re frequently used as organic fertilizers; they are ploughed under, as a greeu crop, at a cer tain period of growtli. When this crop de
cass it produces ammonia- the value of whicl
every farmer understand: Clover is generally regarded as the best green crop, to plough into the soil ; but Southern phanters lave assured clover. Experieuce taught them this, and we fruly believe their deduetions are correct Both as forage and manure all leguminous plants are valuable.
But we write this article more to remind our farm friends of the importance of planting a extria quantity of beans this year. It is no n this linc. The eold Spring has delayed corn planting, and probably not so many acres re planted as would have been if the season had becu carlier and more fayorable. Buans will grow ou all soils, but the best is at warm, andy loam of moderate fertility. If the soil s too rich, they run luxuriantly to vines, with short product of seed. Even a very thin, poor soil will grow a fair crop, such as gravelly side
hills and old plains. Many farmers in the New England States plant among corn; but we are decidedly opposed to it. Better cultiall the food fould in ordinary soils. Deep and thorough plowiug is essential in this crop, as the roots will peuetrate a well broken soil to onsiderable depth. Besides, beans like mine al suhstances, and stretch out their roots for particles of lime, potassa, phosphoric acids Plant more beaus, then, especially if you want to produce some extra beef or inutton uext Fall or Winter. Farmers who have had uo expcrience in feeding ground beans to fat destly worth trying.

\section*{WHAT IS SILICE?}

A corresondent, writing from Steube county, New York, asks us to give a defiui nition oi "Silica." We cheertully comply, but may not gire a scientific answer; nor ene Silica is a common uincral-the purest and slarpest sand-Which has acid propertics, and is formed by the chemical union of two atom of oxygen. Sometimes this is called "silicic
acid," because it combines readily with potash, soda, lime, alumina, iron, \&c. In one hum dred parts of pure, sharp sand, there are abou fifty parts of oxygen-balance silicon, which is the elementary base. Now every farme knows, or ought to know, that pure sand is in soluhle in water; yet more than sixty per cen of the ash of the stems of wheat, rye, oats,
barley, \&c., is pure flint sand-otherwise silica. A knowledge of the composition of soils, the constituents of plants, and of the source of fertility, and the cause of barrenness in land, would be of immense value to every farmer It would also vastly tend to increase our agri cultural products, add to individual prosperity and swell the aggregate of national wealth Yet three-fourths of those engaged in furming in this country, do not patrouize agricultural journals, nor ever read a book relating to agriculture, horticulture, etc. ! When we consider these facts-they are lumiliating facts-it sur prises us that farmers thrive at all. No othe class or profession

Tue Cattle Plague in England breaks out new, now and then. The lust attack was confined to three mid-land counties, and but
few animals were lost. The total number of cattle reported to have been attacked in Great Britain, since the rinderpest made its appearance, is 253,902 ; and 52,704 healtly cattle the disease.

Pioking Stratibermirs. - In gathcring straw erries or other small fruit, don't pick then when wet with dew or rain. Fruit gathered in this way will mould; aud if sent a considerable distance to market will always arrive in a bad condition. Remember this.

Fiequefat mowing makèsethe green, smooth lawn. Common farm scythes are hardiy fit for


This.
Charles Dickens, and, judging from her first published volume, has inherited much of her athers descriptive talent-especially in the touching, pathetic scenes of humble life in
England. Ereryhody will want to read a story ritten by a clitd of "Boz"-the most popnar of living authors.

Apple-tiee Apmis.-One of the worst cneinies to the apple orchard is the aphis mati, and depredates upon both old and young trees. They live chicfly on the fresh juicy bark, and can be found iu May and June. They are nearly the color of the apple-tree bark and bout a tenth of au inch in length. They are, like most pests, very prolific; and gencrally
lateh ont two broods in a season. We believe half of the diminished yield of frnit, for years past, has heen caused liy the Aphis.
A good remedy, perhaps the best, is strong oap-suds. If mixed half of soap and half of roper time to apply the wash, when the yonng lice are in the larva state. Ercry per-
son having apple orchards should examine their trees. Don't neglect it, and if you find the rascals, treat them to a baptism of soapsuds, thoroughty laid on. Besides being a reme Ask Yocr. Neigninor.-We arc daily receivng letters from subscribers who cordially en "ahundint success." To all friendly associates in the great field of agriculture we return hanks; and suggest that ercry reader of our onral extend an invitation to his neighbor to ubscribe. We bclieve we are uaking at first class agricultural and horticultural paper, hint the future. Now Messrs farmers, gardencrs, ruit-growers mad stock-raisers. give us your thus extending our circulation and adrancing our oun protession. Any person sending us rearly subscriber ( \(\$ 2\) ), can retain fitly cents, or twenty-five per cent. on all subseripti
obtained. Ask your areighbor tw subscribe.

Agraccutchal. Pabes are springing up Furmer's Home Journal," a weekly published at Lexington, Lientucks, by Millcr \& Marrs, S3 per annum. It is in quarto form, neat in appearance, and deserves success.

A Wisconsin farmer writes to the New York Farmers Club, that if the spread of the Canada thistle is not checked in its progress it will be will be driven from the great wheat fictds of the West as Adam was driven from the garden in the East.

A correspondent of the Prairie Farmer says he high price of flour, to some extent, is due to the very large amount of wheat drawn from crop will te immense this year.

The Fireside 鲃use. SQTANDERED LIVES.
by baxard tazlos.


 The manhood attempered in surife;
Strong hands, that go lightis to lahor, Strong hanas, that go lightyfort in liff
True hearts, that take comfor In each is the seed to replenish
The world with the vigor it nee The world with the vigor it need

Sut che shark drinks the blood of the fisher The sailor is dropped in the sea; The wroodman is crushed hy his tre Each prodigal life that is wasted
In mananly achievement unseen, Ju manany achievement unseen,
But lengthens the days of the coward The blood of the nohlest is lavished
That the sellish a profit may find; and sees the lives that are squandere

\author{
Trixeside Ifale
}

\section*{Rich motwtain}

\section*{by ws. nexny wood}

Rroh Mountain is famous as the seene of the first decisive battle iu West Virginia. The battle was fought by General McClellan for the Rebels, in the early part of the war
Rieb Mountain is in Randoìpis eounty, eight miles from Beverly, the county seat; and is reached by the Parkersburg and Staunton Turspike. It is sisty miles from Gieuville, and about the same distance from Clarksburg, where MeClellan was at the time
The Stauntou aud Parkersburg Turnpike, winding round the heads of the raviues, passes over the summit of the uountain. It is two
miles to the top, by the turupike. It is long, miles to the top, by the turupike. It is long,
bigh, and narrow, and covered with heavy timber; save the summit, a small area of level ground, cleared and eultivated as a farm by an elderly geatleman named Joseph Hart-and a Larrow strip up the sonth side of the mountain, whieh is covered with a dense growth of laurel. The soil of this mountain is rieh, of a black color, differeut from other mouutains in Virginia, and from this it has derived its name. The topography of the mountain is admirably adapted for the ereetion of strong military defonces General Garuett held it witb a foree of about five thousand men, and had thrown
up,works which were impregnable on either up, works which were impregnable on eit
side swere the road crossed the mountain.

General McClellan advanced by the Staunton and Parkersburg Pike, intending to make the athack early in the morning upon the works was stecp and rugged everywhere else, making reconnoisauce dangerous, and, as he supposed, impossible except in force, and he had concluded to risk a battle direetly on the road, Had he done so, subsequent examination of the enemy's defences at that powed him from certain destruction.
Now old Joseph Hart, who lived on the mountain, was a Union man, and had made bimself thoroughly acquainted with the Rebel General's position aud forlifications. He had somehow got information of the coming of the Federal forces, and was certain that the attack from that direction would prove disastrous to the assailing party. He dreaded this, and determined to get word to McClellan of the situation of affairs on the mountain before ho arrived at the foot, when it would be too late. Ee could not go himself, that would excite suspicion, and he would be stopped at the Rebel outposts. His littlc son Henry, a lad of uncommon energy and courage, born on the
gorges and ravines, was seleeted for the dan gerous mission. His years forbade suspieion, and he passed the Rebel lines", without difficulty,
leaviug the mountain by an unaceustomed route. After travelling all night and part of the following day, he came to the advanced guard of the Federal forces, informed them of the object of his jouruey, and was taken under guard to head-quarters. Even his extreme youth did not screen him froun suspieion here
It was believed lie was there for no other purIt was believed he was there for no other pur-
pose than to deeoy into ambush. At first, the manner of McClellan was cold and severe, and his questions hard and rigorous. Henry, noth ing dauuted, related all his father had told him of Garnett's position on the mouutain; the strengtl of his force, the nature of his works, and the impossibility of suecessfully attaeking lim on the road. The Federal General listened attentively with iuereased interest, as Henry advaneed, with his siuple story, oecasionally interrupting him with-"Tell the truth, my boy."
At each interruption Henry would earnestly, but r
truth."
"But," says the General, "do you know if you do not you will be shot?"
"I am willing to be shot if what I have said
" not all true," was the firm auswer.
"Well," questioned the General, now satisfied Henry was a true boy, "well, if I ean't go up the mountain and attack the Reb
the road, by what way can I go un?"
Henry, who was quick to see a eliange in the General's mind, said he knew of a way up the side, striking the road on the top of the
mountain, and leaving the road at the base. mountain, and leaing the road at the base.
There was no traek that way, and the mountain was high and steep ; but there were few trees growing, aud no logs lying down to be in the way of going up. He had travelled up and down there often, over the tops of the laurel, looking for his father's sheep in the ra-
vines. The laurel was very thick, and grew vines. The laurel was very thick, and grew
together so closely aud so strong that a man could walk over their tops.
This statement of Henry's re-awakened the suspicions of McClellan, who said sharply, "Do you say a mau can walk on the tops of the laurel?"

Yes, sir," persisted Henry
"Do you thiuk my army can go up the mountain over the tops of the laurel?" eo tinued General McClellan.

No, sir," was the prompt answer, " but have, aud a man could, with eare, and with othing to carry.
"But, my boy, don't you see I have got a great many men, and horses, and wagons, and
cannou, and how do you think I ean get upon the mountain with all these if the laurel is so thick ?"
"The trees are small and low; so small at the bottom that you can cut them down with a knife or hatchet, without making any noise, and the men on the mountain will not know,
what you are doing or where you are coming," what you are doing or where you are coming,"
was the brave response of Henry, who, it was was the brave response of Henry, who, it was
plain, would soon be the leader of the gallant ittle army which was to decide on the heights of Rich Mountain the destiny of West Virginia, The Federal eoummander, content with this plain and manifesily honest narrative, changed his orders, abandoned the easy route on the pike to the mountain, and soon the army of the Union was in motion in the direction pointed out by Henry. Leaving the main road at the foot of the mountain, they wound round ravines, and over ugly gorges, to the spot iudicated by their fearless little guide,
Here the army halted, while the General with his staff and Henry, proceeded to examine the way up the mountain. The laurel was there as Henry had stated; a small bush or tree standing thickly together with the spreading tops firmly interlocked and dove-tailed, forming a complete and continuous roof over the ground from the base to the summit of the great mountain. The quick eye of McClellan saw at a glance the feasibility of Henry's plan, and though it was past midnight when the army arrived at this point, a thousand men
bent laurel, with knives and latehets. Silenee reigned throughout the work, save the slarp cliek of the small blades which were dexterously plied, and the rustle of the falling laurel. Before daybreak, long rows of laurel lined either side of the way up the rugged steep, and the aseent begau. The horses were tied o the trees below. The artillery horses were taken from their carriages. One by one, the heavy cannon were moved up the mouutain by the strong arms of the soldiers and left in position where they could be easily aud rapidily noved forward, when the time for action should arrive. Light was dimly breaking in the east when the army commenced the march ap the mountain by companies; many falling but rapidly recovering their places, and patiently pushing on; and when the enemy were lookiug for the eoming of the army of the Uuion far down the main road over their impregnable breast-works, the Yankee eannon were booming in their rear, both at un unexpected moment and from au unexpeeted quarter. The rebels were thunderstruek, as well as struek by shell and canister.
The result is matter of history. They made feeble resistance and fled preeipitately down the mountain, hotly pursued by the triumphant Yankees, to Cheat Rivcr, where the brave ebel Geueral Garnet was killed. Two huudred men were killed on the mouutain, and ie buried by the roadside, with no other sign of the plaee of their interment than a long line f indentations, eaused by the gradual sinking f the earth, where the bodies repose.
Henry Hart is now four years older, or hereabouts, than he was then, and is quietly and eoutentedly working on his father's farm. Do you not think he deserves to be breveted a Major General in the arıny of the Union, to date from the morning of the capture of Rich Mountain?

\section*{洞iscellayy}

Imagination in Elephants.-A writer in the Londou Spectator asserts that the elephant is a highly imagiuative animal, and quotes the Ceylon engineers, who say that when they sur vey ways through the forests, and plant wood en tracing-pegs to mark the levels takeu during the day, their tracing-pegs are generally removed during the night by elephauts, who are uneasy till they understand these novel symptoms of human ageney. It is clear, then, that the elephants are rendered uueasy, troubled in their imaginations, by these eurious marks of special and unexplained human iuterest in their dwelling place. Iudeed it is a reeognized and generally very suceessful way to eseape a vicious elephant to throw dowu auything eomplicated in his path, whieh, iu his caution, he will examine so earefully before he proeeeds as to give his chase time to eseape. Colone Hardy, in 1820, saved himself from a vicions "rogue" elephant by throwing down his dress ing case which the creature in question wanted to force open and examine minutely instrument by instrument. Another peculiarity of the animal is that the herds will never mingle When suspicious of danger they throw out pickets, which are stationed after careful re connoitering by the leader of the herd. When-
ever a herd of elephants is at bay, it always follows one leader, and if that leader is slain, follows the next, and so on till the last is lef in isolation.

A binnd man had been sitting one day and pleasantly chatting with some visitors for an hour, when one of them wished the company rood morning, and left the room. "What white teeth that lady has!" said the sarcasti blind man. "How can you possibly tell that? said a friend, "Because," was the ready an swer, "for the last half hour she lias done nothing but laugh."

Du Crailuo says that among the dogs of the native tribes iu Central Africa, hydropho bia is absolutely nnknown. Hence, he infer that the popular notion is erroneous, that heat

We Fade as a Leaf.-As the trials of life thicken, and the dreams of other days fade, one by one, in the deep vista of disappointed hope, the heart grows weary of the struggle, and we begin to realize our insignifieance. Those who have climbed to the pinnaele of fame or revel in luxury aud wealth, go to the grave at last with the poor mendicant who begs pennies by the way side, and like.him are soon forgotteu. Generation after generation, says au eloquent modern writer, have felt as we feel, and their fellows were as active in life as we are now. They passed away as a vapor, while nature wore the same aspeet of beauty as when her Creator commanded her to be. And so likewise shall it be when we are gone. The heaveus will be as bright over our grave as they are now around our path; the world will have the same attraction for offspring yet unborn that she had onee for ourselves, and that she has now for our childreu. Yet a little while, and all this will have happened! Day will continue to move on, and laughter and song be heard in the very ehamber in whieh we died; and the eye that mourned for us will be dried and will glisteu with joy; and eren our children will cease to think of us, and wil not remember to lisp our name.

In England a magneto-eleetrie light of great power and iutensity has just been diseovered. At the distauee of a quarter of a mile, it east the shadows of the flames of street lamps up on a wall. It takes photographs better than the sun, darkeniug photographic paper as ef fectually in twenty seconds as the sun's rays would in a minute. It is proposed to apply it to the purpose of illumiuating cities.

An Afrionn Liebig.-"I say, Sambo, does you know what makes de corn grow so fast
when you put the manure on it?" "No, I don't hardly." "Now, I'll just tell ye. When de corn begins to smell de mauure, it don't like de 'fumery, so hurries out of the ground and sits up as high as breathe the bad air."

Ostrich Feathers. - To clean white ostrich feathers, take four ounces of white soap, cut small, dissolved in four pints of water, rather hot, in a large basin; make the solution into a lather. Introduee the feathers, and rub well with the hands for five or six minutes. After this soaping, wash in clean water, as hot as the hand can bear. Shake until dry

Sage Tea in Profuse Sweating.-An old remedy for excessive sweating is again brought to public notiee in the shape of eold sage tea, It is made by takiug a large tea-spoonful of chopped sage leaves, and boiling them in six ounees of water for two or three minutes. The deeoction is then left to stand and eool, and is strained aud sweetened to the taste. This remedy has been used with benefit in the calliguative sweating, as it is called, of pulmonary consumption.

Stile.-The latest style of bonnet has just made its appearance. It is called the "Revenue Cutter," and consists of a two-cent internal revenue stamp, worn on the head, and tied under each ear with a horse hair: It presents a very pretty appearance at a distance, and must be very comfortable at this seasou of the year.
Beautiful Sentiment. - When the Hindoo priest is about to baptize an infaut, he utters the following beautiful sentiment: "Little babe, around smile ; eontrive so to live, that you may depart in smiles while all around you weep.

Some crusty old bachelor slanders the female sex, by saying the reason that George Peabody is so wealthy, is because he never had a wife.

Peas are excellent food for sheep. Oueourth of a pint of split peas given to lambs when weaned, or a pint daily to fatten sheep, are recommended as the proper quantitien.

The Farm and Fireside is devoted to Agriculture, Horticulture, Stock-Raising, Rural Architecture, Maket Intelligence, Literature and the Arts. It has a corpse of agricultural writers of reputation, and the aim of the Publister will be to make a jourual eminently practical, and of every-day value to its readers. The Literary Department is intended to instruct and amuse the farmer's better half and his children. Nothing will be published offensive to good morals. In all
\(\$ 2.00\) per year, in advance. Single copy 5 cents

\section*{General 㨡iscellany}

\section*{AGRICULTURAL ITEMS．}

Mississippi expects a tine wheat crop and a fair yield of iu that State．

Three thousand aeres in the neigliborhood of Kankakee，III．，are planted with flax this year Farnmers regard this crop nore fivorably than they used to．
Oliver Dahymple，of St．Paul，has a farm near Hastings，Miun．，of which 2，000 acres are under cultivation，including 1,700 sown to wheat．Onc year ago the farm was an uubro－ ken prairic．The prot

Tbe French trade in egros is becoming enor mous．From one merchant alone，at Redon， seven thousand dozen were sent to England withiu eight days，last month．
The losses by the overthow on the Missouri ver bottounare stated to be \(\$ 20,000,000\)
A Wisconsin man says he finds calves ato well when fed on beau soup as when given milk．The soup is made as for family use， with about a tablespoonfnl of salt lor eac quart of soul？
Losses of cattle by cold and want of fond have been great in Texas and parts of Nebraska， reaching to a tenth of all the stock．Much of this could have been aroided by care and fore sight．
Fifteen hundred head of cattle iu Monroe county，Missouri，have recently been sold to traders at \(9 \frac{1}{1}\) to \(6 \frac{1}{2}\) cents per pound，to be delix ered during the Summer．
The Saudwich Islands promise to supply the Paeific coast with sugar．They are in tbe Pacific to us，what Cuba is in the Atlantic． The number of acres planted with eaue is 16,266 ，the capital in the busiuess is \(\$ 2,000,000\) It takes 250 bushels of potatoes to make of starch．
Adrices fiom Algiers announce the reappear ance of locusts．General Marmicr has placed at the disposal of the local authorities a detach ment of soldiers to assist in their destruction．

A farmer in Smyrna．Del．，is reported to have sold his strawberry crop of four acres for \(\$ 4000\) ，the purchaser to do the picking． Nearly one－half the members of the Connee cut Legislature，or 104 ，are farmers
A flock of 200 slieep and lambs gambol on the green lawns in the Central Park，New York atteuded by an old shepberd and two dogs． Armies of caterpillars are desolating the for ests in some parts of Teuuessec

A San Antonio paper complains of drouth in Western Texas．The grazing in that region is suffering from this source－an unusual thing at thils seasou．

The Canadian owner of＂MIelton，＂the cule brated trotting horse，has sold him to a lady of Kalamazoo，Michigan，for eight thousand five hundred dollars iu gold．The duty paid at the Irontier was \(\$ 1700\) ．

The total amount of beet sugar produced in the world is reported to be about 2， 500,000 tons annually：France is the chief grower of beet sugar，and a small amount is raised in the United States．
The welght of tie flour in a barrel is supposed tu lee 196 poundes The Buffalo Board of Trade las adopted a resolution requiriug 200 pounds in cach barrel，to conlorm with

The highest income relürned in Chicago is that ol Cyrus H．MeCormick，\(\$ 160,760\) ；the nest that of Peter Sehuttler， 112,625 ．These two are the only ones excoerling \(\$ 100,000\) ． McCormick made his money on reapers，aud Schuttler on farm natrous．

J．W．Grisweld，of Wetherfich，Ct．，Informs the New－Jert Horticulturist that he has pre－ scived his trees from the canker wom by piling coal aates around their trunks．
Geo．Campbell of West Westminister，Vit． has recently sold two lots or dustralia and New Zealand．
Good milch cows sell in New Orleans Por \＄2：0 each ；milk is tworty cents a quart；straw berries \(\$ 2\) a quart ；and turkeys \(8: 5\) a pair．

Rhode Esland．

Fouth anaual fasb op th
newemand aricutural society，
Rhode Island Society for the Encourage－ ment of Domestic Industry，

on Tuesday，Wednestay，Thursday and
thf premily list will amount to nearly \(\$ 10,000\).

Arrangenents have
Corpanies，ot un th
tome Fair Grounds．



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of the N ．E．Abricultural Soc＇y． \\
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 the stables．

completion．WATER．
An ample supply of pure ppring Water will be rrovided for
every deparment，and the hest of hay，grain，\＆c．，for feedlng．


W．

100 Revolving tiorse Rakce，and all klads of fint clang Farming
Toots and Seeds．Send la sour ordere eurly aud they hal
be filled promptry．



Comecticut．
THURGUGH－RRED BULLS ary SALE 1 －The Eubecrithr


 June 1，\(x=5\) ．

\section*{trame．}

Massachusetts．

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liberal discount made tu dealffr．
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Sold by all Draggises and Coustry and Agzieult aral Stores．
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Hew 㯰arl



(a)

\section*{The fratm and Fireside.}

\section*{Whe Firesine 期use.}
the beavtiful spring.
\begin{tabular}{|c|}
\hline \multirow[t]{7}{*}{Sing, sing, sing, the beanufil Spring she tonches the land} \\
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Ring, ring, ring,
The marvelous cbines of
And a muslcal rotce
And a mislcal volce
Shall nnswer rejoce,
From the unfeltered rills
That the mountain disulis,
That the mountain distlis,
To the blrd that your heart with
Wake, wake, wake,
Your many-volced barmonites
And dwell on the tore
And duell on the iove
or the Father above,
Who sendeth the Spring
To he glad hearts that vriag

\section*{General 糧iscellany.}

\section*{DEAD LIONS.}

Mone than half a ecutury has clapsed sinee the British legions, commanded ly Wellington, battled with the Freuch veterans uuder Marshal Soult, for possessiou of the ancicut town of Toulousc. The field was stuhhornly con-tested-the Gauls stood manfully to their eagles, hut the fates were against them. After a long and hloody struggle, Beresford's infantry succeeded in stormiug the redoubts, Picton's men surmounted the fosse, Hill's Highlanders carried the fortifications of St. Cyprien, Ponsonby's horse thundered through the retreating squares, and the shout of victory ran along the Britisu line. Success was dearly purchased, however; Wellington paid for his victory hy huryiug thousauds of his hest meu on the field they had conquered. Few, and greatly distinguished were those whose remains were carried from the field aud sepulchred within the walls of the city
Last year, an English traveller, whilst enjoying a Summer ramble through the southern provinces of la belle France, paid a visit to the resting plaee of his gallant countrymen, who feil iu the great battle of Toulouse. Now, although Shakspeare's clown warrants the houses made hy grave-diggers to last till doonsday, we would renark that the narrow tenements of the dcad, like the hahitations of the living, require a little facing and pointiug every ouce
iu a while to keep them iu anything like a reiu a while to keep them iu anything like a re-
spectanle condition. The meddling hand of Time does a considerable amount of mischief in the course of fifty years-the wandering Briton found the graves of his eouutrymen so dilapidated that the chauce of their lastiug till doomsday secmed somewhat douhtful.
On his return to England, our traveller set ahout making arrangements for having the necessary repairs executed, hut his pious la-
bors were cut short in a most nnexpected maubors were cut short in a most nnexpected mau-
ner. Somehow or other the French Emperor lueard of his intentions, and oue fine morning he reeeived a letter under the Imperial hand and seal, of which the followiug is a translation :-

Palaee of the Tulemes, Jain. 20, 186 \%. Sir-I learn with regret that the tombs of the English officers, killed at the hattle of Tou-
louse, are in a state of dilapidation. Solders louse, are in a state of dilapidation. Soldlers
who fall upon a foreign soil are the property of that eountry, and it is the duty of all to honor their memory. I take upon myself the preparation of those tombs at my own expense. Receive the assurance of my regards.

Taking into consideration the deep reverence which the present ruler of France professes for the memory of his illustrious uncle, and the jealousy with which he guards all that pertains to the glory of the First Empire, it will he generally aceorded that in thus elaming as a privilege the task of preserving the ashes of
;British foemen who fell upon French soil, NaBritish foemen who fell upon French soil, Na-
poleon III. has displayed the magnanimity of poleon III. has
atrue soldier.
time when a British army stood encamped in the heart of France, with the "halo of twenty vietories playing round their hayonets." Thic erumbling stones of those monuments tell of the long line of disasters which fell upon the French arms from that hright May morning on Chief of the British army, and Generalissimo of the Spanish forces, crossed the Douro at the head of his legions, driving King Ioseph and his 60,000 French veterans in precipitate retreat hefore him. The Englislumen who found hloody graves at Toulouse were survivors of Tittoria-that fearíul hlow whieh destroyed the efficieucy of the French army, swept the invaders from Spanisle soil, aud crushed Joseph's mushroom monarchy to dust.
There never was a greater fallacy thau that There never was a greater fallacy thau that
"dead men tell no tales." These dead men of Toulouse evidence that in the space of a few months the British army destroyed Joseph's kingdom-that vast fahric whieh Napoleon constructed at the cost of five years of toil and bloodshed; and they tell how the armies of Frauce, which so long in the pride of irresistihle strength had oppressed the Peuinsula, were driven, like chaff hefore the wind, into their own territories, as plainly as the sea-shells indicate how far the storn
croached upon the shore.
These braves who are now sleeping the long sleep, could tell how Ross charged at Satorere how awful was the slanghter when the famous light brigade trapped Rielle's division in the defiles of Echallar; how the forlorn hope forded the erimson Urumea to assault the grim walls of St. Selastian; how the passage of
the Biadossa was forced; how the dizzy he Biadossa was forced; how the dizzy
ha Rhuue and Bayouette were stormed, and fiually, how in a six weeks' eampaign Soult was drisen from Bayonne to Toulouse, and Wellington had conquered the whole country hetweeu the Pyrences and the Garonne.
Thacre is no more glorious page in British history than that inserihed with the records of the Peuinsular eampaign; ou the other haud, there are few which occasiou more unpleasant emiuiscences to those who have the glory of France at heart, and yet Napoleon III. can afsoil are the property of that country, and it is soil are the property of that country, and
the duty of all to honor their memory."

Tie Morsture in the Air.-Onc of the most curious and iuteresting of the receut discoveries of science is, that it is to the presence of a very small proportion of watery vapor in our atmosphere-less than one half of one per ceut.-that much of the henefieent effect of
the heat is due. The rays of heat sent forth from the-earth after it has heen warmed by the sun would soon he lost in space hat for the wonderful ahsorhent properties of these molecules of aqueous vapor, which act with many thousand times the power of the atoms of oxygen and nitrogen of which the air is composed.
Ey this meaus the heat, instead of heing transBy this meaus the heat, instead of heing trans stopped or dammed up and held back on its rapid course, to furnish the necessary conditions of life and growth. Let this moisture be taken from the air but for a single Sumner night and the sun would rise next morning upon a
"world held fast in the iron grip of frost." But the power of ahsorption and of radiation iu the same hody are always equal, so that at length it is poured forth into space; else our fire, aud ale would heeome a vast res

Tue fisherics on the James river, according to the Richmond papers, are yielding an uusual harrest. The fish have heen less vexed and thinned out during the last iew years than usual and have had time to increase and multiply. Herring and shad are immensely abun dant and are said to he flooding the markets at remarkahly low prices:

Wennell Puirin's says-"The best education in the world is that got by struggling to

\section*{A MONARCH OF REPUBLICAN TASTES.}

Tur royal gentleman who at present shares with M. Bismarck the government of Prussia s a true Brandenhurgh. He unites with an mplicit faith in the doctrine of " divine right" he simplest personal hahits and an unaffected dislike for all lusury and show. H. Edmond Croset furnishes the pullie with some illustrave facts and aneciotes.
The King, according to M. Croset, has the astes of an old soldier. It is well known that he does not live in the palace at Berlin, preferng to retain the resideuce whiel he occupicd hen prince. His private rooms in this residence are not large, and are very simply fur-
nished. He las fitted up his hedchamber as hemly like a teut as circmmstances will allow. An irou hedstead, wooden chairs, and the plainest toilet conveniences, are all the furniture. His table is quite as modest, and he arely makes any change in the hill of fare. Ie is methodieal in his hahits, and hecomes attached to the things ahout him. It grieves vears the high military stock of the Prussian officer.

At Baden-Baden the king occupies a suite of ooms on the first tloor of the Maison Mesmer, which he rents hy the season. As an instance of his indifference to some points of royal etiquette it may he mentioned that he has author zed his landlord to let the rooms duriug his asence, on condition that the poor of Bader. So that Mr. Smith, of New York, if he will pay for the privilege, ean sleep in the vacant wed of Willian III. of Prussia.
An eye wituess descrihes an incideut in the king's life at Baden-Baden which sets his charcter in a pleasant light. He was walking at ffezeim with a party of ladies. A swarm ittle flower-girls, in the dress of the Black Foresters, hesieged him to buy their nosegays.
In a few seconds his huttouholes and hands In a few seconds his huttounoles and hatnd to dispose of his fragrant riehes. M. Bismarck eame to the rescue, and raised the siege by giviug to each of the little girls a Frederic d' or.

Tie Meteons and the Weither--Last November they had a shower of meteors in Eugland, whieh accounted, according to the weather plilosophers, for the hot weather which prevailed ahout the same tiue.
This spring they have had very eold weather ir England, as we have here; and now the same or another set of weather philosophers assert that this is caused lyy the earth having got hack into the same plane with the orbit of he meteorites.
It is scarcely fair thus to aceuse these poor wanderiug stars, which have no means of set ing themselves right before the publie of a planet which must appear to them a star of the first magnitude. Formerly the man iu the moon was hlamed for bad weather, hut the poor fellow has not been much talked of since Lord Rosse's telescope was hrought to hear on him, and since Professor Draper began to phocgraph his ahode.

Arab Horses for: Napoleox.-Napoleon, he Emperor of France, has heen preseuted with four Arah horses hy the Viceroy of Egypt. The two fuest animals are each five years old, one a chestuut and the other a hright has, and they are of the Persian hreed. The third one of the lot is a hright hrowu, and is the purest type of the Nedje, the true courser of
the desert. He was formerly owned hy Toussoum, the son of Said Pacha. The fourth horse is a grey in color, and nearly as finely hred as any of the others.

Is the beginning of the Luxenhourg troubles lady of high standing at the Prussian eourt asked Count Bismarck on a speeial oeeasion, 'wlat do you think will happen this Summer?' We shall may sixty-sis," (a German game at eards,) answered Bismarck. "What will he the stake?" inquired the lady. "One Naj? the stake?" inquired the lad
leon, " returned the minister.

WHEN TO CUT OAK BARK.
Oak Вark contains more tamin when cut in Spring, by four aud a half times, than when cut in Winter; it is also more plentiful in young trees than in old ones. Ahout 40,000 tons of
oak iark is said to be imported into England annually, from the Netherlands, Germang, and ports in the Mediterranean. The quantity of English oak hark used we have no mode of as certaining. Our own tamers pay very little
attention to the period when oak or hemlock is cut. We helieve that as a rule, however, will easily peet, which would he in June, or about that time. Sir II. Davy says that pounds of oak loark are equal to 21 pounds of of Leicester willow, 11 pounds of the hark Spanish ehestnut, 18 pounds of elm hark, and 21 pouuds of common willow hark. For rery long time oak hark only was used iu England for tanning. Hemlock does not grow
therc. As the oat was heing eradually contherc. As the oak was heing gradually con-
sumed, (the case with the hemlock with us) other substances were introduced : heath, myr ondes, wild laurel le bes birch tree bark, ning have not heen eorrectly understood until since the year 1800, in consequence of the re searches of Dayy aud others. - Ifideand Leath

\section*{FACTS IN FRUIT CULTURE.}

Doeron Trimhle, of Newark, New Jersey, ho has paid great atteution to fruit culture, mauy years experience.

That the most suecessful way to conquer the eurculio is to gather the fruit as it falls aud reed it to stock or destroy it, as it is hy this fallen fr

That the fruit of the apple tree can he proteeted from the apple tree moth by wrapping aroud each tree two or three times a
rope made of straw. The moths will harhor in this rope and ean then he destroyed.

That the only way to kill the peach tree horer is to eut him out with a knife, not onee two weeks until exterminated. After the first "going over" of an orchard this will he little or no trouhle, as each tree can he attended to in two minutes.
Tue dairy pastnres of a Montgomery co., Pa., dairyman are highly commended. They are ceded with one part orchard grass, one part herds grass and two parts clover; are topdressed with harn yard manure every Fall, are
not pastured closely, and are plowed up after three years.
A story is told of a soldier who, ahout one hundred and fifty years ago, was trozen in Siheria. The last expressiou he made was "It In the Sumuer of 1860 some Freach physicians found him, after having lain frozen for one hundred and fifty years. They gradually thawed him and upon animation heing restored, he ended the sentence with, "eeedingly cold.
Me. Matlasil, of New York, has recently sold elcren cows and heifers from his herd of
Alderneys at prices ranging from si00 to 300 aat.
A Littue Boy who was asking his mother how many Gods there were, was instantly anto he sure." "But how do you know that?" inquired the other. "Because," he replied, "God fills every place, and there is no room for any other:"

Tur celebrated Doctor South on an oecaslon reached before the corporation of tailors A remnant slall be saved.

1 Coumpry editor deserihing the honnets uow n fashion says:- "They have n downward a hoard across her eves.

THE CORN CROP

\section*{Thougr not advocates for the extensive cul} tivation of maize iu the Eastern States, should be very sorry not to see a patch of corn on every sizable farm. Enough of this cerea should he raised to furnish meal for table purposes, and a little surplus to fuish the fatten ing of the pork. We bave never seen an Western corn that would make as good hoiled pudding and "Johnny cake," as the yellow flint coru of the East, and we certainly neve ate any Western pork that could equal the bome-made article. This may he mere preju growth, but if so, we never cxpect to see the prejudice eradicated, and we hope never to see the corn crop eutirely ahandoned at the East. On the five and ten acre system of farmiug there is not much roou for corn, nor mucb margin for profit in its cultivation, hut even it this one-horse mode, a litile space devoted to this cereal will prove a great souree of comWestern neighhors talk of doing, but it may be as profitable for us to raise it for the table as for theun to use in the grate or stove. It a mistaken idea that we do uot raise as much corn per acre at the East as is raised on the fertile prairies. The Housier laughs at our
small corn fields and small stalks, aud think we must harvest our crop iu our overcoat pockets, and when we tell him we sometimes get over one hundred bushels of sbelled corn from au acre, he smiles incredulously, hut statistics prove that the average yield of corn per acre in Vermont is tive hushels more tbau in
Illinois. When we come to the market valuc Illinois. When we comc to the market valuc vor of the East. The following table takeu from the report of Commissioner Newton, and compiled from the returus of four years, shows how the value of an aere of corn diminish as we go West


We must by no means infcr that the average profit at the East is greater than at the West. In cheapness and fertility of land, the amount ot lahor expended, and value of fertilizers,
they have greatly the adrantage of us, and we do not expect to compete, on our rocky hillsides, with the Western bottom lands in supplying the markets of the world. All that we conteud for is, that we should raise enough for domestic use, and wheu we consider the value of au acre of conn with us will compare favorably with what it is in the Mississippi valley. Corn is a gross feeder, and there is no danger of surfeiting it with its proper aliment.
Tbere are few crops to which we can apply coarse maunre with so great success. If the sod is not a rich one, we prefer to plow iu the coarse manure, as this will serve to sustain the crop the latter part of the season, when the ears are filling and the greatest drafts are made on the deposits in the soil. To give it an early start, a slight dressing of well rotted compost
harrowed in answers a good purpose. If tbe nanure heap is not sufficiently large for this double coat, theu a small handful of guano and plaster well mixed and dropped iu the bill will cause the shoots to start with quickuess and vigor. As guano is mainly the deposit of birds, we may as weil make our own from the hen or pigeon roost, and the domestic article has in one respect greatly the advantage over the
imported-we know we are not using hrick imported-we know we are not using hrick dust. Corn loves a dry, silicious loam, and
it is vain to expect a remunerating crop iu cold, wet, clay soils. Though a coarse feeder, it is particularly grateful for fiue tilth, and there is little danger of an excessive use either of the harrow or the cultivator. The latter should be run between the rows, as soon after every heary rain as the land will crumble.
cultivating and hoeing is to root out the weeds. This is only one object. A crust forms on the surface of plowed land after a raiu which re tards the free passage of heat and air. This crust is most cheaply and effectually lirokeu up by the cultivator: As most of our faru hands are Irishmes, nnaccustomed to the coru crop in their native laud, tbey must be in structed in hoeing to pulverize the dirt they bring ahout the youug shoots, to make hroa flat lills, and to push as well as draw thei hoes. Many of them act as thougli a hoe was an iustrument they had never seen, aud as general rule they are less skillful in the cort than in the potato patch. After the first hoe ing a handful of dyy wood ashes, scattered ou each hill, will greatly aid in furnishing the in organic matter witb whicb all grains abound Tbe practice of sowing pumpkiu seeds indis criminately through the coru ground cannot be oo severely coudemned. All vines, heing rampant growth, are exhausters, and two ittle hill are more than can geuerally be hon ittle hill are more than can geuerally be hon pulling it down aud excluding light aud air If the land is rich and uo other convemien place is found for the pumpkius, plant then only on the outside rows so that tbe vines may un into the meadows or over the fences. hey seldom ruu much till after the grass age ou these ontside rows, and as, with a luxu riant growth of corn, few pumpkins will be found, except on the borkers, even wben festly the place for them
Early maturity is one great desideratum of the coru crop in New England. To secure his we must not ouly plant early, bit select for seed the earliest ripened cars. This can
best he done by passing througb the field as the corn begins to glaze, and selecting the ful plump ears whose husks are turning yellow. By selecting from stalks on which two ears grow, and doiug this for a succession of seacharacteristics will he early maturity and abundant yield.
As to the process of harvesting, there is no question but that cutting up hy the roots is the most economical for New England. After the stalks begin to dry little nourishmeut is drawn from the soil, and the stacks will furnisb the ears all the requisite support just as well standing in small stacks as ou the lill. Iu our long cold Winters the stover is no inconsiderable ohject in raisiug corn. If cut up, as it always should he, and sprinkled with meal, it is mos gratefnl to eows, and eauses a great flow of corn fodder is ruled so high of late ye rejoice to see the practice of sowiug corn for fodder increasing in popular favor. The present late, wet Spring will prevent the plantiug of some corn, hat auy time in June will answer to sow it for fodder, and six or eight tons of stalks per aere will he found no small remuneration for the loss of the corn, and this large yield will be found to exhaust the land less than the roduction of the eereal. For sowed coru the ows should he two feet apart and the kernels over one inch from each other. No hoe mg is necessary as the eultivator will do the
work most effectually. For sowing, sweet coru is far preferable to the common varieties, and the Stowell Evergreen is No. A. It grows larger and eattle evidently prefer it. We have noticed that our cows, fed on the sweet corn for time, will smell daintily of the common sort, and look up, plainly inquiring, " Have you not somewhat difficult to cure, and probahly the most economical time to feed it out is when tbe pastures fail in the droughts of August aud June, 1867.

Mr. Asa Strong, of Northampton, Mass. wbo has kept a table of the dates of the full blooming of apple trees for the last thirty-five ears, says that only in two years during that time have they blossomed so latc as tbis year

Forking Barnyatid Mantri Orel.-Tbis essential to rotting well. When corn stalks, traw aud ordure of animals are all trod down firmly during the winter and spriug, the air is effectually exeluded, and the material will not rot until it has been forked over, were it to rcmaiu there for a year or more. If it is loosened up so that the air can circulate among it, he eutire mass will decay in a few weeks so that it will be easy to pitch and spread it.Now, the unost expeditious mauuer of pitching manure up clean from the hottou is to do the greater portion of it with a horse fork. Set up three long poles as for pitching hay on a rouud stack, and make a hole down to tbe bottom of the manure first; then thrust the tiues of tbe horse fork uuder the mannre, and turn it up in large rolls, and tear it to pieces with hand forks. Horse forks are of great service wher the manure is very long. After it has rotted, man, or two men, can pitch much faster by hand. If harnyard manure remains in the yard all sumuer, it should always he forked ver to facilitate the decay of corn stalks and coarse straw. But it sbould he protected frou rain. Some farmers pitch long mannre iu the perceive that the practice would pay, hecaus a horse tork will uot hold as much as a horse s capahle of elevatiug. It is easy for any oue to tiy the experiment, which will soon satisfy all auticipations or doults on this subject. Aorth British Agriculturist.
To Ppotect Corn from the Cut Worm. There seem to be differcuc opiuions ahout th advantages of soaking corn in gas tar, previous to plautiug. Our own experience is, that unless the seasou is rery wet, the gas tar acts upon a grain of corn as it does when applied to roots and feuces to preserve them, by preveut ing the access of moisture. The coating of tar iuterfcres with the absorption hy the coru of the necessary moisture for germination. Ours has laid iu the ground for weeks iu the aud then the plaster it was rolled on, coverin it completely, and apparently preventing is sprouting. A far hetter plan to keep off tb cut worm is to drop a tahlespoonfui of coarse on the top of cach hill, soon after plant
This is carried down hy the rains, and acts as a fertilizer, besides destroying tbe cu worm. Salt is peculiarly ohnoxions to thi
class of insects, and perhans ali elasses. - Prac tical Furmer.

Plaster and Ashes on Barlet \(-\mathrm{A}\) the sowng and maner, remarkin says:-"I have experimented more or' less on sowing plaster and unleached ashes on harley, after it was about two inches out of the ground sowing hroadcast, and following after with the roller to press it down. It is my opiuion that if there are any wire-worms attacking it at the time, the roller alone will drive them down peg or two, hut the aslees and plaster will set them back further yet." As harley is very late this year, time will be afforded to test the cfficacy of this treatment where wire-worms are fonud at work ou this graiu.

Age at whicu Garden Seeds may be Safely Planted, -Henderson's Gardening for Profit gives the followiug iu regard to the time which garden seeqs may be kept without fear of failing to germiuate : Those only safe for two years are heans, peas, peppers, carrots, egg-plant, okra, salsify, thyme, sage, and rhuharb. Those safe for three years: Asparagus, endire, lettuce, parsley, spinach and radish. For four years : Broccoli, cauliflower, cahbage, celery and Th
Those possessing the greatest vitality, the term rangiug from five to ten years, are: Tbe heet, cueumber, melon, pumpkin, squash and tomato. He says, with the cxeeption of pars nips, onions and leeks, 'I would just as confi-
dently sow two years old as when freshly gathered."

Every seed contains three principles, the plumule, and the nascent nascent plant

Raising Turaips.-Four hushels of Swedish turmips are worth as mueb, or more than a husbel of corn for feeding to young cattle or sheep during the foddering season, as every one who has experienced kuows. They bave been reported at fifty ceuts a hushel all winter in the markets. After our slovenly manner of cultivatiug them, two or three huudred bushels to an acre are ofteu realized, while accordin to reports to agricultural societics, eight hundred and a thousaud hushels are often raise upon an acre in New York and elsewbere, h tbose skilled iu the old country methods of cul tivation. Sbould we try as hard for a crop o turnips as for a crop of corn, no doubt cau b entertained that four or five huudred bushels upon an acre could be casily raised, and the are certainly a sure crop, as they can be plant ed over, or transplauted any tine hefore the middle of July, and then make a fair erop.
Let those who have not faith enough in the turuip to devote much attention to it, sow some seed upon the mauure heaps, from which the manure their corn in the hill, and learn hoy easily they may raise this root, and bow profit alle it is in comparison wilh corn.

Clover differs entirely from the cereal crop u this: it sends its maiu roots perpendicular y downwards, when no obstacle stands in the way, to a depth which the fibrous roots of wheat aud harley fail to reach; the principa roots of clover hranch off into crecpiug shoots, which again send forth fresh roots dowuwards. Thus clover, like the pea plant, derives its priucipal food from layers below the surface oil; and the difference between the two cousists mainly in this-tbat the clover, from it larger and more exteusive root surface, ean stil find as sufficieucy of food in fields wherc peas will no longer thrive ; the uatural cousequence is, that the subsoil is left proportionately much poorer hy clover than by tbe pea. Clover seed, on account of its small size, cau furvisb from its own mass, but few formative elements for be young plant, and requires a riei aralie su face for its development; but the plant takes hut comparatively little food from the surtace soil. When the roots have piereed through this, the upper parts are soon covered with corky coating, and ouly the fiue root fibre ramifying through the sulsoil convey food to the plant.-Liebig

Fodder for Stock. - It is prohable tbat conideralle laud designed for corn the presen Spring will fail to he planted on account of the revalence of wet weather. Iu such cases would be a good plan to sow corn for fodder parposes. Good land will produce a heavy
burthen of this kind of tood for cattle. It is burthen of this kind of food for cattle. It is d in a good or dairy stock, and may be variety is considered the best, as it is richer and eaten more readily tban any otber. What not used in a greeu state may be cut and dried for Wiuter use. It may be fcd whole \(r\) cut up and mixed with something eise, a circumstances shall dictate.

Plowing Early and Late. - Do not plough grouud early in the season when it is to be ploughed once. If the soil is to be ploughed he second time, in the month of May, or in the atter part of April it may be ploughed in March. But, when land is to be brokeu up only once n the Spring, it will be better for the soil and ar better for the crop, to defer ploughing unti he growing season has commenced and the ground become thoroughly warmed by the su
and gentle rains. Wben heary groud ploughed very early in the Spring, during the all of beary raius, it becomes thoroughly satuated with water, which causes it to run to ether like mortar, when it settles down, soon ecoming quite as compact as before it wa ploughes.
Tbe capital invested in agriculture in England
amounts to \(£ 3,311,000,000\), returning a profit
of 13 per cent; the capital invested in manu-
factures is \(£ 218,000,000\), and tbe annual profit 120 per cent.

Manving. - Professor Way, who bas devoted a great deal of time to a study of the operations of fertilizers, says his experiments show that the sal tf
of anmonia will not filtrate through clay, hut that much of this fertilizer in solution will escape through a silicious sand. This might induce a helie of anmonia will not iltrate through clay, hat that much of this fertilizer in solution will escape through a silicious sand. This night induce a helie
that a sandy soil contains no aluninous earth; a sandy soil rarely contains less than ten per cent. of alumina, which is sufficient to enable the soil to hold its organic matter until it is alsorhed hy the roots of growing plants, A sandy soil that will not form a crust atter a shower undoultedly loses some
of its nasceut ammonia, which passes off from the loose surface in the form of gas, hut when in solution the soil retains it for the use of plans. Any of its nascent ammonia, which passes off from the loose surface in tbe form of gas, hut when in
discoveries connected with manures can be considered of importance to the agricultural world.
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The finesinde 解use.
THE COUNTRY COUPLE.

\section*{Ao sou rememher, Nary dear,
As on unass thrognt he porch
A good old country couple iur \\ The first peev of the church}

He walks on crutches sas
Adow the dusty way
She wears a ouer old
She wears a quiuer wad honnet; he

They read the church re
Tis said their early life was Ii.ke
Sone strange and wild romance
S. So he strange and wild romance,
His heart the eagle's courage stared
and she-ah, who could dreamin it now


The lorely and the good, s' mid the beauties of the Wist
The Jewish Esther stood. They loved as few e'er loro ou earth,
You smile and look
 They loved as few e' 'er love ou earlt,
with undivided heart; With undivided heart; And they were forced to part. And grew as slighti, as palee And gree as slight, as pale,
As sheautiful as shadows make The lify of the rale.
he sighed hy day, and wept by night
You should not he sog gav: You should not he so gay

But, one night, when the foomery bells Swung on each airy stalk, Porm, as noikeless as the breeze
Passed down the garden walk. Passed down the garden
Before the open Gate
Before the open gate;
.
 And with herisisig sulu,
A hridal ring geamed hind her hand;
Those two fond hearts were one !
\(\qquad\)

 And now they live alone, and wa
The swift vears glide awas The swift vears gide avay; That coat of homespun gray. Their wide old-fashatch them in Their wide old-fashioned pew, How it may deal with yon Shall this be young and gay
You'll wear some queer old b Some coit of torer boan

Whaterer sorrows fall,
Thougld grace and joy with youth
Yet love shall live through all.
Firesinde fale.

\section*{T'LL MAKE TT DO."}
"Tar suake it do," said Mrs. Prentiss, as she laid her pattern this way and that, over her clotb, trying to get an overcoat for Willie on of papa's ekk one.
"I I don't thee how yon're yoing to do it," said her neiglbor, Mrs. Elis, who had come in for a social rftervoon.
"Wait a few minutes," replicd Mrs, Prentiss, "and Ill show you. I can pieee the under sides of the sleeves so nicely you wouldn't know it if you diln't look elese, and piece tĩe facings; and--let me see!--James always wears his coat sleeves pretty thorougbly; bnt I can get the pockets, certailly, out of them. There," she added, after a few minutes use of her scissors, "haven't I douc it? Wait till it is all served and pressed, and see if it isn't ahnost as good as new

Well, I uill say;," replicel Mrs. Ellis, frank1y, "that I never saw a woman tbat would make a little go so firr as you do, for comfort

Ind looks, too. I wish I had half your ficul-
No doubt a good deal lay in Mrs. Prentiss native "faculty," hut which faenlty had heen developed and strengtheued, and grown by pa tient contrivance and hearty action. The wifely and motherly love, that was as the very well spring of life with her, flowed into her rontine of household duties, quiekening her perception of ways and means, and prompting her to a tboughtful care and eheerful industry.James Prentiss was a carpenter, a man of good principles and ennsiderahle ability, a genial disposition and pleasing address. He had mar ried young; and there were those who wonder ed at his choiee of quiet Susan Palmer, "good add with a dozen other girls in the village, any of whom James Prentiss might have had fo the asking-poor, too; and old Jacob Mill would have heen willing enough to give him his only child, and round thonsands with her.'And when the little oues gathered fast around "James Prentiss would he a poor man all his days!
But somelew he never grew any poorer. Work was steady, for those who onee tried him liked to employ him again, and speak a word in his favor to others. Luxuries might not have been found iu his home, but daily hread was there, (in the sense of every needed comfort,) and the more months there were, the more hread came. Little hawds and feet never in mother's nimhle fingers, in long winter eve nings. A little fairy that lived in mother work-hasket, turned old eloaks, dresses, an flannel shirts, into miniature editions of the same, elean and wbole, warm and pretty, too A story that grandmamma had told the ehil dren, in which the stean from the tea-kettle
took, as a genius, lingered in their memotook form, as a genius, lingered in their memo-
ries and now and then father was informed, witl due gravity, when he came home at night, that a little elfin faee had peered ont from the misty wreaths that went floating upwards.But with due allowanee for the active fancy of childhood, certain it is that quite unpromising materials were transformed, through that stov anto very inviting dimners. The cold potatoe spider, and with a little hot water, a little hut ter and pepper, eame ont excellent minee meat ; so with salt-fish; the remnant of a roas joint went into an iron pot, and therefrom was poured a niee soup; a few surplus spoonfuls o hoiled rice, served for next day's hreakfast, in the shape of hot griddle-eakes; and stale bits
of hread and bisenit found their way into the oven, in company with an egg, some sugar and milk, and reappearing a delicions puddiug.
A guest might eome in unexpeetedly; bn in Mrs. Prentiss' mind, what she conld "make do" for her husband and ehildren, she could "make do" for her company, and with the hearly welcome, pleasant conversatioui and consciousness that they were not making trouhle, her friends were quite as likely to enjoy their visit, as if she sat down with them tired, worried and nervons from extra toil.
Not far off livel auother family, with ahou equal means, but presenting quite a eontrast in comfort and appearanee. Strange ay it may seem, however, the very expression Mrs. Prenseemed the good faity of the house, was as frequently on Mrs. Greysm's lips, but scemed there only to do miselief.
Mrs. Prentiss, though she wore mosily print dresses, always looked neat and hady-like, and even tastefnl. Her hair was always sinooth
and glossy, her hoots whole and nicely faced, her checked apron, when soiled, changed for a clean one, and her snowy linen collar fiever forizoten. Mer children, too, thongl allowicel perfect freedom of ont-door play, were tanght cleanliness and care. But Mrs. Greyson, if her shoe-lacing gare way when she was about fastening it in" the monning, would tic it up in a
hage knot, with "11l make it do," twist up her hair hastily; half combed, and liarry dovu stairs, withoul a collar, and with a dress bearing the marks of yesterley's coolecy. For
would dash into her work, and if a spoonful of sonp or gravy splasled upon her dress, as was uot seldom, it stayed there
day eame round-" made to do."
Patehes of flour kept it company, and some imes a rent that had been very small at the beginning, was let go till it widened fearfully. The children, both as to clothes and manners experieneed the ill effects of her "making do" system; even sehool and lessons being neg lected, if she fancied she wanted their lelp at home, or if a mood of idleness on their part appcaled to her mood of indolent indnlgeneeas if an irregular, dilatory attendanee, and laalf learned lessons, eould he made to do, in place of a real sehool eulture. Many a serions fault was passed by unnotieed, or met by a hasty injulieions puuishment, hecanse the mother vould not take the time, or make the effort rquisite to correct the evil effeetnally, with gentle firmness. And all! a little form lay quiet and eold beneath the clumehyard grass, that might still have nestled warm and bright in her bosom, hut for the terrible eold that found its way throngh a hole in the little shoe, that was " made to do " nupatelecd, when Ellie was sent ont-doors to play, "to get out of the way," a chilly, damp Mareh morning
Mrs. Greyson sometimes made bitter complaints, and ofter harhored hitter thoughts of her husband, because as she said, "he stayed t home as little as he well conld; he didn' care to talk to her, or seemed to think no more or her eompany than if she was a cat or a doro, not so much ;" aud perhaps she was not wholly mistaken; hnt if she would have taken the advice that Mrs. Prentiss had? delieately offered more than once, she might have made difference-who knows?
Well, time passed on, hringing no ehange or the better, hut rather worse with the Greysons; James Prentiss, mcanwhile, supporting his family well, edueating his childreu, and laying by, every year, "somethiug for the ainy day.'
"Ten years to-day since I was married,' thought gentle little Mrs. Prentiss, as her eyes opened on a beantifnl Jnne morning. "Ten happy years! How fnll of hlessings have they been! My kind husband-my darling children! God forever bless them!" And she sprang up, though it was not yet five o'elock, and ere long was tripping cheerfully ahont her neat kitchen, etting a plain, but exeellent hreakfast.
"Well, Susie, what dio you think?" said her ushand, as they sat at the table;-"I've a mind to make this a holiday, and take you and he children to ride." His eyes 1 winkled rogue islly, as he added, "I'm sure we ean afford it as well as auybody."
Susie did not dispute this assertion, and she was well pleased with the proposition. The children, were of eonrse, wild with delight. It was still eurly when the breakfast things ere eleared away, and Mr. Prentiss drove to he door in a light carryall, drawn by a spirited bay horse, but well-trained and gentle. The children were all dressedi, bahy springing and crowing in his uother's arms, and they were on their way withont delay. Down the village street, along hy the river's hank, past pleasant homestead farms, through helts of woodland, over hills, and into quiet, slady glens-all in one delightful ever-to-be remembered ride,Song of birds, and hum of honey-bees; low of cattle, hrook-musie, and best of all, ehiidren's roices, mingling in real haruony. Mr. Prentiss took a large eircnit, returning hy a different road, and; about a mile from loome, stopped at a neat, \(\begin{gathered}\text { Fell-l-huilt, pretty eottage, painted }\end{gathered}\) white, with green blinds, standing a little hack from the street, witt \& space for a garden in ront, and two or three hinden trees, not very arge as yet, but already beginning to cast a plensant shade. A little brook rippled along near hy, and in the distance, on one side, rose rooded hills, while on the other lay the rimhege. Mr. Prentiss asked his wife to aro into the cottage and look it over, and slee, knowhing that he liad been at work on it reeen睹; consented withoat much surprise, and weat in, rolloweal by tbe elildren. The rooms weye of medinm size, sunny and pleasant, well arranged for comfort, convenience aud coonomy. Mra

Prentiss' expressions of pleasure, as she went from room to room, seemed to gratify her his band very mnel. After going over the eot tage, as lhey stood at the parlor window to enjoy again the beautiful prospect, he passed his arm around her and asked-"Susie, clear should you like to live hare?"
"Of course I should," sle replied in a quiet tone, not fully taking. his meaning. "The lady who comes here onght to be contented Is it engaged yet, James?
"I rather think so," he answered, smiling "at least, Susie, if it snits you to live here.
"What do you mean, James?" questioned Mrs. Prentiss, in amazement.
"Just this, dear," was replied. "This plaee is ours. For ten years you have been a kind, industrions wife. What I have earned, you have saved. Yon have made my home comfortable and happy-nursed me when sick, and in health have cheered, and eneouraged and helped me, always. With you I have been able to do what I conld not have, had you been a different woman. You thought I was working for Mr. Leonard; so I was, and myself, too, though I did not know it at first. When the eottage was half done he took a notion to go out West, where his son is, to hny some land and settle down. He has neve been quite contented here since Joe left. He wanted to sell and I concluded to buy, as I knew the place would snit you. And as it was so near our wedding-day, and I knew jnst what arrangements you would like in the house, I thonglit I would keep it for a surprise. It is the first thing I have ever kept seeret from you, Susie, even for a time, sinee we were married. You pnt up with a good many in eonvenienees in onr hired honse, sueh as hope you won't find here. Darling, can you make this do?

Yes," Susie said, suddenly; it was an effort to restrain the tears of grateful affection that were springing to her eyes. "I'l engage to do that so long as I live, if you'll make me
do for you. I only wish I was good enough for suela a hushand as you are.
"Make you do!" her hushand said, as he drew her face to his own. "My darling! And-well, the children are out frolieking on the grass, and perhaps will soil their best elothes; and, reader, you may eome or stay as you wish, but I'm going to look after them.

A trayeller stopped at a public house i Maine for the purpose of getting dinner, knoeked but received no answer. Going in he found a little white headed man in the embrace of his wife, who had his head under her arm, me with the other she was giving her lord our tho. Wishing to put an end to the fight our traveller knoeked on the table, and ealled
out in a loud voiee, "Hallo, there! who kceps this house?" The hushand, thongl nunch on of breath, answered, "Stranger, that's what we are trying to decide!

Question of Taste.-The question whether hoa-constrietor onght to be fed live rabhits has turned \(u p\) in London, and the serpent has a party in his favor, who elaim that if he prefers them alive his taste onght to be gratified. They add that a hoa has as much right to live as a rabbit ; hut if one of the boa's ymatisans sheuld meet his friend in the woods we donb if his faith would not he shaken. If he eseapus alive it wonld probably le with a prejudiee in favor of rabhits.

As a man hinds a tender sapling to a stake, that the wind may not wrende it, or throws ont an anchor into the briling sea, that the ship may he held by it, so tmust ofs hind our wavering hearts to the support of the Word of God, and stay the storm-tuwed shitp of our souls with the anchor of hone, that fley may ot sink.
O) a very pretty girl's saying to Lsight Hant, "1 are very sad, you see," he replied, "Oty to you belows to the




\section*{IThe Fifid}

\section*{the proper time to cut wheat.}

\section*{by thomas \(J\). edee, londongrove, pa.}

Many are of the opinion that the only loss which the faruer sustains by allowing his wheat to stand until "dead ripe," is from shelling off. Experiment will demonstrate that this loss, though quite a serious one, is not the greatest one which we sustain by the above practice. When anything is said about the proper tinie for cutting grain, it is a very common thing to be told that "it is useless to fix
tbis or that time, or stage of growtb, for we must cut it when we can." But is this an argument which can be sustained? Can we not cut as near the proper time as possible, when tbat time is found before the grain is ripe, as well as when it is fixed at the period at which it is fully ripe?

The relative degree of ripeness at the time of cutting bas much to do iu governing the proportion of flour, bran and gluten. Ex-
periment has fully demonstrated that grain cut from ten to fourteen days before it is fully ripe will yield more flour iu proportion to the bran and that the flour will be richer in gluten. In an experiment tried in Yorkshirc, England, tbree equal plots were cut, one twenty days before fully ripe, one ten days before ripe, and the third when fully ripe. The grain from that first cut yielded, of flour, seventy-four
and one-half per ceut; of middlings seven per cent; and of bran eighteen per cent. Tbe second sample, cut ten days before fully ripe, gave of tlour seventy-nine; middlings five and a half, and bran thirteen per cent. Tbe third sample, cut when ripe, gave of tlour seventytwo per cent., middlings seven per cent., and
of bran sixteen per cent. of bran sixteen per cent.
The comparative yield of the three different patches was in the proportions of the numbers one hundred and sixty-six, two huudred and twenty, and two handred and nine:-the largest amouut being in favor of the plot cut ten days before fully ripe; but the
gave the least weight of grain.
gave the least weight of grain.
From tbis experiment it would seem that
there is a gain of eleven pounds in about every two hundred; or say sixteeu iu every three hundred; or, in other words, in every five busbels of wheat, over three pounds per bushel. In addition to this, we have a gain to the miller of seven pounds of flour in
every oue hundred pounds of wheat; tweuty one to every three hundred pounds, or over
four to every bushel, making a gaiu to miller and farmer, and through them to the public at large, of about seven pounds per bushel; or say oue bushel in every ten-quite au important item at present prices.
At a late public meeting at Brighton, Frederick Hallett, the originator of Hallett's Pedigree wheat, stated that "the difference between wheat cut from ten to fourteen days before it was ripe, and that cut fully ripe, was so great, that, taking the flour of the latter as a standard, tbe miller couid better afford to grind the former for
usual toll."
waal toll."
While my experience will not warrant me in going as far as our English farmer, just quoted, I must say that there is enougb, to be gained to make the matter worthy of the attention of every practical farmer, und I bave seen cascs wbere I am satisficd that enougb was lost by over ripeniug to pay the whole expense of putting the crop into the barn.
From the results of a large number of careful experiments, I deduce the following as a summary of the benefits to be derived from cutting wheat from ten to fourteen days beforc fully ripe-viz: gain in weight of gross produce, thirteen per cent. ; in quality and value, three and one-half per cent. ; in weight of straw, five per cent. In addition to tbis we have straw which for feeding purposes is bet-
ter, and have chaff fully twenty-five per cent. better for mixed feed for working horses or cattle. As a drawback to early eutting we must take
cut green must remain longer in the field be cut green must remain longer in, the fred be-
fore being removed to the barn, in order tbat it may be properly dried. It is also somewhat beavier to handle, and harder to thrash; but we may estimate that the extra quality of the straw alone will pay for this extra trouble or expeuse, and will leave the increased value of the grain for profit.
It is an accepted rule anong English farmers, that in favorable seasons the straw commences to ripen from the root, or lower end; while in an unfavorable season it ripens the upper joints first; and that iu the latter case the grain cannot be cut too soon after it is dc monstrated that tbe upper joint of straw is ripe. In a favorable season, when the straw ripens in the usual and natural way, the rule is to cut when the two lower joints of the straw are ripe, and the ripening is just sh
ing itself above the second joint or knob.
In former times, when the sickle or cracle was the main dependence, there was some excuse for not taking advantage of the best time; but now, with our modern machinery we have no excuse except uufavorable weathe at the proper time for cutting ; this we are al ways liable to, and have no remedy for but
cut as near "the proper time "as possible.
Of late years early cutting has proved of great advantage from the fact that iu a great measure it is our only remedy for the ravages of the midge. Iu such cases it is my rulc to cut as soon as it is safe to do so; beiug of the
opinion that our only chance is to get the grain opinion that our only chance is to get the grain
bardened as soon as possible. Last harvest a imited experiment of ny own tended to con viuce me that by cutting early I saved at least ive pounds per bushel on the plot experi June, 1867
average crop of cereals in england.
The Marli Lane Express publishes the followng estimate of the average yearly

Rather more than three millions of acre are sown with wheat-tbe average yield of wheat per acre is twenty-nine bushels; aud the total yield of wbeat, therefore, has averaged and million six hundred and filty-eight thousown with barley, averaging thirty-seven and hree-quartcr bushels each; total average yield, nearly nine million quarters. A millon and a balf a acres are sown with oats, producing forty-
six and a half bushels each; total average yield, same as barley. Half a million acres are devo ted to the production of beans, and nearly as many to peas, producing on an average nearly odd quarters of peas. The average crop of wheat in the whole United Kingdom is proba bly about sixteen million quarters annually,
but, reckoning the consumption of each indi but, reckoning the consumption of each indi-
vidual at a sack of flour a year, tweuty-two million and a half quarters of wheat are needed for the supply of our tbirty millions of people, leaving six or seveu millio
Tbe ch by importation.
Tbe closiug remark of the Express is emi nently dcserving of attention by the farmers of the West, both as an inducement to the more extensive growth of wheat and as an important the managemeut of their prairie farms:
" Tbere is reason to believe tbat the breadth of land devoted to wheat culture is decreasing in England year by year; and so it should.
Our agriculturists ought to devote themselves more to the production of stock. The land in the midlands and west of Eugland is properly pasturage; and a deficiency of corn cau be from abroad than a deficiency of meat. Small pasture farns yield more per acre to the land lord tban broad sweeps of arable land."

Solon Robinson, in the agricultural columns of the Tribune, says: "Clover is to farmiug what faith is to religion. One may go through the whole list of manures and good works,

\section*{7he etcox-45ata.}

\section*{DISEASES OF SHEEP.}

Trie following communication from Hon Elisha Dyer, of Rhode
Rutland (Vt.) Herald:

Providence, May 1st, 1867
My attention was attracted by the followius paragraph in the "Providence Journal" of this morning. "The sheep raisers of Vermont are having a bad season. The lambs do not thrive and rot prevails among the sheep.
If your Spriug has been as cold and unpro pitious as ours, I do not wonder at the ill-con dition of the lambs. As to the rot, \(I\) feel it an imperative duty to communicate to your sheep raisers, tbe accompanying statement of an interesting series of experiments and remedies, made by one of the most scientific and skillful English pbysicians I ever had the pleasure of being acquainted with, a gentleman of a tho oughly analytical mind, and philanthropic im pulses. His Winter residence is in London, but from the middle of May to the last of November, in each year, he is the resident English physiciau at Hambourg Springs, Germany His statement to me, in the Summer of 186 . wbile with my family, (we were for several monthis also resideuts of Hambourg), was as follows, viz:
Among the great variety of subjects comnec ted with the agricultural pursuits and prosperity of England my attention has beeu directed to he cause aud cure of the "foot-rot" in sheep. More than one thousand of these animals har in every case the machers shmber, and to be inflamed, and with suppuration, the lining sloughing off. Tbe liver was full of the ani malculae called "flukes," and the feet in a most decayed condition. Twenty-two of the most diseased sleep were purchased by my brother, (who is a landed proprietor) iu Lincolnshire for a half crown eacb, (ifty cents) so thoroughly valueless were they from disease, nd brougbt to me for treatment. I had pre pared several pens, clean aud dry, and subjected tbem iu rotation, to the following treat ment for five days:
In pen No. 1, the sheep were first placed, fed with oatmeal gruel with strong solutious of comuon table salt. The evacuations were filled with the animalculae, and the diseased parts of the mucous membrane. This was for the first day, then they were remored to
Pen No. 2, where they were fed with "steamed oats," soaked in a strong solution of alt and water, and allowed to drink freely of inseed tea with linewater. The evacuations were of the same character but much less iu quantity and of a mitigated appearance. The next day the same aninals were removed to Pen No. 3, 'and were there fed upon "steamed barley" as beiug more uutritious, witb the same solutions of salt and limewater: The animals were fast improving, as the evacuations were of a decidedly improved character.
In Pen No. 4. For the fourth day's treatment, \(d r y\) barley, soaked in salt and lime water, was given. The "flukes" had all disappeared and the s
In pen No.
In pen No. 5. The last day's treatment was with the same dry food as before, with shor grasses, and drink of the lime and salt water, and the shcep apparently \(w\) cell.
The experiments were madc with five sbeep at a time. The peus built on a side hill for dryness, tboroughly cleansed each day, and he animals' feet washed daily in cold water.
In a few weeks tbey all recovered, and were
in such condition that they sold \(£ 1.10\) to \(£ 1.15\) per head ( \(\$ 7.50\) to \(\$ 8.75\).)
cattle ple opinion of this gentieman, that the portion of the disease to whichand ble is attributable to improper food, (as grasses, (c.,.) and changes of climate. The iuvariable antidotes and remedies are lime and salt. It is also his opinion that the vegetable kirgdom is
cruld be detected in any thoroughly scientific investigation of grasses, roots, fruits, \&c., and the extent of which would be a matter of surprise in its developmeut. Hc would here, as before, use lime and salt as the remedies.

\section*{health of hogs.}

The refuse of the dairy makes very nutritious food for young swine, on account of the phosphoric and sulphuric acids they contain, which acids are very important in building up the frame of the bog. Summer steck running at large with a good degree of liberty, may be fed freely with sour milk and whey, and they will gene?ally provide tbemselves with whatever is necessary to modify the effects of the feeding. But if confined in a pen or close yard, they will suffer from acidity of the stomach, an ailment which hogs are much subject to, unless care is taken to furnish them with he necessary corrections. A little powdered this purpose, or almost any alkaline substance ccasionally added, will answer the purpose.
The bog haviug a very thick skin, it is liable
o become feverish aud diseased by the closiug of the pores, and this produces other diseases. Sulpbur tends to cool aud purify the blood and keep open the pores of the skin, and sbould freouently be given. When the skin is dry and feverish, and sulphur does not afford relief, a little antimony (white powder) will geuerally prove effectual. When rumning at large, the log will frequently be seen helping himself to onx or trough sen confined in a pen, a separate ashes and salt. Tbe swine has the name of being a naturally filtby animal. In this be is slandered. No brute will take more pains to keep his bed clean thau he. Wheu he wallors in the uire it is to relieve a fevered, uucomfortable condition of the skiu, resultiug from a want of those substances taken inwardly, which would keep his hide in good condition, and which he would take without urging if he could find them. In brief, the hog is a very seusible animal, in his way, and when confiued, his master should endeavor to learu what he wants frou his
own mouth.

\section*{HIS cows alwars do well}

In a letter to the New York F'urmers' Clab, Mr. J. L. Humphrey of New Bedford, gives the following accouut of the management by which his cows are exempt from caked bag, and other discases which afflict unany dairies:-
I never have any trouble iu that direction, no matter how fat the cow may be at the time of calving. I kecp the best cows that I can get, and find it the most profitable for my purpose to have them calve only once in eighteen mouths. I feed moderately on grain-generroots during the Winter-so that my cows, thougl1 tbey may millk down thin during the first six or eigbt mouths, will always come up let tbem go dry less than turo months; three is better if it occurs in Summer, and I always take away the \(\varepsilon\) rain as soon as tbey are dry, and sometimes before, if too much incliued to milk. For two or tbree weeks before calving 1 keep them ou a spare but laxative diet-if in Winter, early cut hay or corn fodder and hay with a few roots, but no straw. After calving, give one pound of Epsom salts, and a few bours after a warm bran mush-scalding the bran with boiling watcr-commencing to feed a little hay in twelve hours from calving, and threc days. Siuce I have adopted this course I have had no trouble with the bag but what would readily yield to a few applications of hot water followed by dry rubbing.

Foor-Ror in Cows.-Au ointment made of lard and rea precipitate, in the proportion of one to four, mixed and applied to the sore, will prove effectual. Apply to the parts affect-
ed, and rub iu well twiee or three times, and ed, and rub iu well twie
a cure will be the result. Ninever was fourteen miles long, and forty-six niiles round, with a wall one hundred feet high, and thick enough for three chariots abreast.
Babylon was fffy miles within the walls, which were scventy-five feet thiek and one hundred feet ligh, with one hundred brazen gates. The Temple of
Diana, at Ephesus, was four hundred and twenty feet to the support of the roof. It was one hundred years in building. The largest of tbe pyramids Diana, at Ephesus, was four hundred and twenty feet to the support of the roof. It was one hundred years in building. The largest of tbc pyramids was four bundred and eighty-one feet in height and eight hundred and fify-three feet on the sides. The stones are sixty feet in length, and the layers are
two hundred and eight. It employed three hundred and twenty thousand men in building the labyrinth in Egypt, and it contains three hundred eham t wo hundred and eight.
bers and twelve halls.

\footnotetext{
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The Fireside 酔use.

\section*{THERE IS NO DEATH}
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They shlne forever more. \\
There is no death : Tbe dust we tread Shall chango beneatb the Summer nbow To golden grala or mellow frutt, Or ralnbow-tinted flowers. \\
The franlte rocks disorganize \\
To feed the hungry moss they bear, \\
The fairest leaves drink dally life \\
rom out toe viewless alr. \\
There is no death! the leaves may fall, \\
The flowers may fade and pass away - \\
Tbe coming of tho May. \\
There is no deathi fa angel form Walks o'er the earth with sllent tread, He bears our best loved things nvay;
And then we call them "dead." \\
and \\
He plucks our falrest, sivectest flowers, Traagulanted lato bllss they now Adorn tmmortal bowers. \\
Tbe bird-like volce, whose joyous toaes Made glad thls acene of sin and strife Slags noir in everlastling soag Amid the trees of life. \\
And where be sees a smile \(t 00\) bright Or heart too pure for taint or wice, he bears it to that world of hight To dwell In Paradlse. \\
Born Into that undying life, \\
They leave us but to come agaln ; \\
Th joy we welcome them-the same, \\
Except in sin aad paln. \\
And ever near us, though naseea, \\
The dear Immortal sp!rits tread; \\
Yor all the boundless Cnlverse \\
is life-there is no deatb :
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\section*{Aeneral taiscellany.}

\section*{farmers' wives.}

Thomas Lacklasd, in his new work entited "Homespun ; or Five-aud-twenty Years Ago," gires the following pen-sketch of Farmers' wives:
In the country, woman is made too much a mere drudge. It may sound all very romantie
and sweet to your ears, dear madam, to licar and sweet to your ears, dear madam, to licar the talk of the Arcadian life such a sister must lead, away from large towns and their frivolous influenees-but it is not such a life as you allow your imagination to dish up before you. Think what it is for a woman-a wife-to milk eows, to suckle calves and sometimes to feed the pigs; to attend regularly on the ducks and chickens, besicies performing various other chores not altogether in harmony with her feminine nature. Theu, again, the same tasks, always hard, follcw one another iu a continuous round from morning till night, oue day upon another; and sle must be different from the rest of her sex who can help offering silent
thankssriving when God draws the curtain of thanksgiving when God draws the curtain of night for the world to lay its head on its pillow and go to sleep.
The English country ladics-we have all heard about their fresiu robustness, their rosy health, and their overflow of animal spirits. We wish one-half as good news could be told of the country ladies of America, with their ansious, care-woru countenauces, as if all the interests of the farm devolved-as they often do-apon themselves. In a good many cases they are a deal "smarter" than the men, and take the manageurent out of their hands They can reckou up the cost and value of a log or a "eritter," without cren going acar the slate that hangs inside the pantry; whereas their husbands would be studying like industrious Champollions, all the sundry chalk marks ahont the house and shed, in hopes of getting at what they wanted. If many of our farmers are askcd hy a travelling drover what they will take for such or such a "heef critter" they will show in a moment their disinclination (ir not their inability) to sell without first consul ting "mother,"
In this, among other ways, the woman in the country becomes gradually unfeminineloses a certain degree of that bloomy freshness which so charmingly sets off female character,
mixes in with the rougluness, and lardness, and drudgery, and ceen the dirt ot faruz work and farn life; and, in the lapse of time, uueonsciously parts with some of those attractive qualitie aeter of every loveable fenalc.

\section*{How old jake won the cheese}

Sose years since I was employed as ware house clerk in a large shipping house in New Orleans, and while in that capacity, the following fumy seene occurred
One day a vessel came in, consigned to the house, having ou board a large lot of cheese from New York. During the voyage some of theur had become damaged by bilge water, (the ship having proved leaky,) consequently the owners refused to reeeive theur ; they werc therefore sent to the consignces ot the ship, to be stowed until the case could be adjusted. discovered a few days afterwards, that as perfume tliey were decidedlv too fragrant reuain in the warelouse in the middle June, and reporical the same to my employers from whom I reccived orders to have theu overlauled, and send all that were passable to Beard id Calhoun's auction mart, (then in the old Camp strect Theater), to be disposed of for the henefit of the underwriters, aud the rest to the swamp. I got a gang of black boys to work on them, and when they stirred 'em up, "Be the bones of Moll Kelley's quart pot! but the smell was illegant intirely." I kept a respectable distauce, believe unc, for strong nig \({ }^{-}\) gers and strong checse, on a hot Junc day, just haugs all commou ees about.

Presently the boys turncl out an immense fellow, about thrce feet six iuches "across the stump," from which the box had rotted; in the center a space about ten inches was very much deeaycd, and appeared to be about the consisteney of mush, of a bluish tint-caused by the bilge water. The boys had just set it up on its edge on a bale of gunny-bags, when
I noticed over the way a big darkey (then on I noticed over the way a big darkey (then on
sale) from Charleston, South Carolina, who was notorious for his butting propensitics, havlag given most of the niggers in that vicinity a taste of lis quality in that line. I had seen him and auother fellow, the night previous, practicing ; they would stand, one on each side of a hydrant, some ten yards distant, and un at each other with their heads iowered, and clapping their hands npon the hydrant hey would hutt like veteran rams. A thought struck me that I might curc him of his braggiug and butting, and at the same time have some fun, so I tuld the boys to kcep dark, and called "Old Jake" over.
"They tell me you are a great fellow for buting, Jake."
"I is some, Massa, dat a fae-I done bntt de wool 'tirely orf ob old Peter's head lass night, and Massa Nichols was gwiue to gib me goss ! fin jiss bang de head orf auy nigger in dese parts, mysclf-I kin!
"Well, Jake, I're got a little job in that line for you, when you haven't anything clse to do." " I 'se on hand for all dem kind ob jobs, my-self-I is."
"Well, you see that large eheesc back there" 'I dus dat! I dus myself.
"Now if you can butt a dent in it you siall
ave it.
Golly, Massa : you foclin' dis nigyer?"
"No, I'm not, Jake-just try me.
"Wot! you gib me hull of dat cheese if I butt a dent in 'um?
'Yes."
"De Lor: Ill bust 'em wide open, I will myself. Jess stand back dar, you Orleans niggers, and clear de track for Ole Souf Carlina, 'case I'sc a comin' myself-I is."
And Old Jake started back some fifty feet and went it at a good quick run, and the next instant I heard a dull, heavy sound, a kind of squash, and Old Jakc's head disappeared from sight, with the top jost visible on the other side, as he rose with his new fashioned neckace, the soft rotten cheese oozing down all around him, as it settled down, so that just his
eyes were visible. From the center of it

Jakc's roice was seareely audible and lalf smothered, as lic vatinly tried to remove the immense chectse
\[
\begin{aligned}
& \text { "O-o-ooo! er de Lor! Mass-took 'um orf. } \\
& \text { O-o-o-o! bress de Lor! Lif 'um up! Gor-a- }
\end{aligned}
\]
mighty ! I
Meanwhill I was nearly dead, myself, lavlug laid back on a cotton bale Lolding myself together to keep frou bursting, while the boys stond round Old Jake, paying him off

De Lor! how de niggele's bref smell! Yo doesn't clean your teef, Old Jake

I say, you didn't make more dan four tin: dat han, did you, old hoss?

Well, you is a nasty nigger dat a fae
Well, you is de biggest kine of Welsh hal
"Whar you gil you bar greese?
And thus the boys run Old Jake-now hal
mothered-when I took eompassion ou him and told them to take it ofl: Jake didu't stay to claim his prize, but put out growling.
"Gor-a-mighty ! I done got sole dat time se a case ob yellow fuber-I is, mysclf' : Old Jake was never kuown to do any mor butting in that viciuity after that.

Bothood's Pleastres and Pexalties youngster came home after baving a glo fous time in the puddles, lis face all aglow and his boots full of water. The punishment of stayiug in the honse for the remaiuder of the day did not seem rery hard; but as his little heart warmed up with the recollection of the triumplss of the morniug, when he hat valed deeper than auy of his playnates dared o, he could bear the restraiut no longer, aud went to bis mother, saying: "Please, mother whip me, aud let une go out again!" Human nature could uot resist such an appeal, and thongh the mother's heart had some misgivings as to the propriety of indulgiug her sou, he was allowed his liberty, and reeeived a caress istead of a flogging. Boys are boys the world orer, and take to vices with more gusto than i "Chatiche, as the following evidences :
"Charlie, my dear," said a loring mother a hopeful son, just hudded into breeches, Charlie, my dear, couse here and get some udy." "I guess I won't miud it now, moth er," replied Charlie, "Ive got in some to-
a Beadtifet. Thocghr.-I was reading th other day, that on the shores of the Adriatic Sea the wives of the fishermen, whose hus bauds have gone far off upon the deep, are in the habit, at eventide, of goiug down to the seashore, and singing, as feumale woices only ean, the first stanza of a beautiful hymn after they have sung it they will listen till the lear, borne by the wind across the desert sea he seeond stanza sung by thcir gallaut has rares, and yoth tossed by the gare upo if listen, we, too, might hear on this deser world of ours some whisper borne from afar, to remiud us that there is a heaven and a home; aud when we sing the hymn upon the shores of earth, perhaps we slall hear its echo breaking in the music upon the sands of time aud checring the hearts of those that are pilgrims and strangers, and look for a city that hath foundation.-Dr. John Cummings.

Business and Pleasure. - A stray contra band from dowu South was lately inspecting a borse power in operation, when he broke out Thus: "Mister, I have seen heaps of things in
my life, but I uever saw anything whar a horse could do his own work and ride hisself, too."

A Lattre Giri, recently called as a wimess in a poliec court, being asked "what becomes of little girls who tell falsehoods," innocently replied that they were "sent to bed.

Quinp thinks it rather remarkable that while several thousand feet are required to make one rood, a single foot, properly applicel, is often sufficient to make oue eivil.
Elgur million dollars worth of flour bave

\section*{buckwheat.}

Tues season has been so unfaworable for preparing the soil for Spring crops that much land still remains unocelupied, the soil being ton wet for the reception of the sced. When the seaon beeomes too far advanced for sowing or planting cereals or foragc crops, buckwheat is gencral:y brought into requisition, being well adapted for a late crop. This erop gencrally suceceds better when sown late than early, eing liable to be damaged by the intense heat f Summer when sown early: It sncceeds better when sown about the cad of Jme or It is sometimes sown late in Jnly, and if the Fall is favorable, the crop turns out well.
Buckwheat is not only valuable as a breadtuff, but it is of great importance for fecding the domestie animals-sleep particulaly. In
Pemsylvana and New York it is extensively ased for fattening sheep in Winter, and it has been found so well adapted for this purpose hat the crop increased enormeusly since 18.00 , the recurus standing as follows:

It is probable that from 1860 to the present car the increase has becu in proportiou to that f the last decade.
The quantity of seed sown is generally about
bushel per acre, but half a bushel spread veuly, will, iu most soils, be amply sufficient. It is sown sometimes for the purpose of clearng land of weeds, and also for prepariug the soil for other crops. It is frequently sown for he purpose of being plowed in as a green manure for the wheat crop. Though not erqual o clover, it is yet beneficial to lauds defieicnt in organic matter. It should be plowed under Wen beginning to blossous.
Light soils are supposed to be best adapted for this grain, but it does well on any except he heaviest. The plowing and laarrowing of the hatud in midsummer, when the weeds are in full growth, and the exposure of their stems no an effect in cleaning the land, as the ower hadowing foliage of the buckwheat plant, although the latter generally gets credit tor all he good that is doue.
The noground grain and the fresh straw an extraordiuary effect upon swine. If llowed to feed in a reeently-larrested buckwheat field, their heads aud cars are attacked vith an eruption, aceompanied by inteuse itching, while the animals cxhibit all the symptoms fintorication. In some cases death ensues, in others the animals recower. When the husks are phole, in large quantitice, the and their bowels by ber round and cooked, the mush has no bad efcet, and is ve:y good fattening food. Some firmers grind buckwheat and oats together as food for liorses, and find the mixture to be very
The acreable produce of this erop varics from 10 to 40 bushels per acre, 20 being about he average. The produce depends greatly on he state of the weather while the plauts are in blossom. The legal weight of a bushel of buckwheat is 42 pounds in some States and fo others.
When wheat flour is scarce and dear, that of buckwheat is a raluable substitute, and buckwheat cakes are extensively patrouized in ity and country. If the hull or outer coverhe is removed ur shelled off betore grinding, he four is as white and delicate in appearanec as that of rye. There is a striking identity be-
twecu the composition of the grain of buckwheat aud rye; also in the constitution of the shes wheu both plants have been grown ou the same quality of soil.- Western Rurul.

Epigramic.-Every elusty old baehellor vails himselt of the right to make the fair sex target for his squibs. We subjoin one that new to us

> Men dyting, malse their
Eacape a wort so sod ;
> Escape a work so sad ;
Why tould beg make what
Tbe gente dames have had


\section*{Frield and yarm.}

\section*{CELERY.-APIUM GRAVECLENS}

\section*{Celery is a plant mucl raised by market} gardeners for Fall and Winter marketing; also in private gardens for family use. The valuable part is its enlarged and succulent petioles, stems of the radical leaves, wbicb, after being
hlanched by covering with earth, beeome tendhlanched by covering with earth, beeome tend-
er, nild and spicy, and an agreeable and very popular salad for Winter use throughout the country. In the common mode of cultivating this vegetable very mueh useless labor is expended, and too generally with unsatisfactory results. Most eultivators make it an essential in growing this crop to dig out trenches, eurich tbe under soil and set tbe plants in the bottom of these trenches; all this labor of digging
trenches is useless, and woise than useless, as trenches is useless, and worse than useless, as
a much better and largely superior crop) and article may be grown planted on the level surface. Others think it necessary to start the plants in a hot-bed in Mareb, or earlier, hut as tbe plant succeeds and blanches the best in a cool and moist atmosphere, plants that will come forward and produce an equally good, if not better crop, may be grown hy sowing the seed in tbe open ground as soon in the Spring as it ean be worked, say during the month of April. The hot and dry weather of mid-Summer is very unfavorable to the well doing and perfecting of tbe plant; it requiring the more cool and moist weather of the later season; for this reason early planting is less desirable than later also the early matured plant heing
and saleable, when grown for sale.

Varieties.-Catalogucs,of seedsmen give us a list of some fifteen or more varieties, each with some special quality claimed as a recommend
ation; some of these are described as large growing, others medium to dwarf, \&e. For all purposes we have fouud tbat some of the dwarf rarieties are the most valuahle, as occupying less spaee than the manmoth, and at the same time furnishing an edihle heart cqual to the large, the extra growth bcing unfit for use, generally, being only an elongation of the outer leaves; while in the dwarf nearly every
part is blanched and becomes fit to eat. As the most desiralle dwarf varieties I would namc Incomparable Dwarf, Dwarf Red, similar to tbe last in all respects, except color; Boston Market, a rather more robust variety thau the Incomparahle. Seymour's Superh is one of the best of the large growing varieties, and requires
more space. The seed catalogues will give a description of the growth and qualities of these and many other varieties, so that I would refer all desirous of furtber information to them. Washhurn, Bliss, and some others give us very exteuded catalogues as well as many valuable hints for the Flowor and Kitchen garden, with description of growth and qualities of veget ables, \&c.
Cuiture.-First, in regard to soil, it should be such as is not subject to droutb in common seasons. Tre seed-bed should be rich aud objections, and specially prepared by thorougb deep pulverizing of the soil and mixing in well fined, partly decayed stable manure; that which has been prepared and kept under eover is the
best; fine the surface to the greatest possihle extent with the steel toothed garden rake and make it level; sow the seed thinly, quite so, in rows 8 to 10 incles apart ; tbe beds should be of convenient width to weed haudy; after
the seed is sowu roll the bed with a garden roll, or spat it even, to bave a smooth compac surface; give all the after cultivation necessary to keep perfectly clear of weeds, and stir the soil to keep the plants healthy and growing. We have found that muels stronger roots are produced if the plants are sheared, or topped once or twice previous to transplanting. The
ground for transplanting into should be rich, freshly prepared and weell worked. Lay off the rows three feet aparl for the dwarf rarieties,
having the surface as uear level as practicable, having the surface as uear level as practicable,
with a convenieut marker, and set the plants six inches apart along the rows.

Much depends upon the care and skill used in transplanting, in having it done well, so tbat the roots are properly inserted in the soil and weil firmed, so that they, tbe roots, may take bold at once, and the plant not suffer from long wilting or drouth. Moist or damp weather is hes! for transplauting, and July is the best may be doue an early crop is desired, in July will cateh up aud mature as early as that se three or four weeks earlier. Give suffieien cultivation with the eultivator or hoe, or both to keep the soil loose, free of weeds, and the plants well growing. Ahout the middle o latter part of August commence the earthing up process; this earthing up is necessary, as before intimated, to the proper hlanching aud rendering it eatable; be careful in earthing up o keep the stems together, so that no soil will et into the eenter to injure the plant, This earthing up is done trom time to time as tbe
plants grow, the dirt being taken from between the rows and hauled eaeh way against the plants; the last, or finishing earthing is don witb the spade, banking clear to the top of the plants. Four or five weeks are neecied to thorougbly blanch the stems so as to give the risp tender quality so desirable in a good ar ticle. The earthing up should always be don when

\section*{My Riverdule Farm, June, 1867.}

\section*{ON CUTTING GRASS FOR HAY}

Grass cut in the blossom will make more milk than if allowed to stand later. Cut a little heforc blossoming, it will make more than when in the blossom ; and the cows prefer it, which is hy no means an unimportant consideration since their tastes should always be consulted
Grass cut somewlat green, and properly cured Grass cut somewlat green, and properly cured,
is next to fresh greeu grass in palatable and nutritive qualities, and so a sensible and prae tical farmer writes me: "The time of cutting grass depends upon the use we wish to make let it stand till a little out of the hlossom; but to feed out to new milch eows in the Winter, would prefer to cut it very green. It is then worth for the making of milk in the Winter
almost double that cut later." Every farmer knows the milk-producing properties of rowe which is geuerally eut beforc it blossons.
No operation on the farm is of greater impor tance to the dairyman than tuc cutting of his
grass and the manner of curing hay, and in grass and the manner of curing hay, and in hly respect the practice over the country genen y is susceptible of very great improvenent bc chief object is to preserve the sweetnes nd succuleuce of grass in its natural state, so gained hy exposing it too long to the scorcling suns and the drenching rains to which we ar liable in this elimate. We generally try to make our hay too much.
As to the best modes of curing clover, my orn experience and observation accord with that of several practical farmers who write me s follows: "My metbod of curing clover is his: What is mowu in the morning I leave in he swath, to be turned over early in the after noon. At about four o'clock, or while it is still warm, I put it into small cocks with a fork, and, if the weather is favorable, it may be housed on the fourth or fifth day, the coeks heing turned over on tbe morning of tbe day it to be carted. By so doing, all the heads than the stems. This has heen my method for the last ten years. For new milch cows in the Winter I think there is nothing better. It will nake tbem give as great a flow of milk as any hay, unless it be good rowen." Another says: "When the weather bids fair to be good, I now it after the dev is off, and cock it up after being wilted, using the fork instead of rolling with the rake, and let it remain several days, when it is fit to put into the barn," And anotber: "I mow my clover in the forenoon, and lowards nigbt of the same day I take forks and pitch it into cocks and let it stand till it cures. The day I cart it, I turn the cocks over,
the mow with all the leaves and heads on, and it is as nice and green as green tea. I think it worth for milch cows and sheep as much per ou as English hay. And still another
have found no better hay for farm stock than good clover, cut in season. For milch cows it is mucb better than timothy. The rowen
crop is better than any otber for calves."-Fint on Grasses.

\section*{S IT PROFITABLE TO GROW ROOT CROPS}

Since labor has become so expensive, many f our farmers question whether there is much ouy profit in growing root crops. Their cultivation makes a heavy draft upon the working capital of the farmer, and hence the culture of roots has never been so popular in tbis country as among European nations where ahor is cheaper
With labor at \(\$ 30\) per month and board, it may not be advisable to enter into extensive may be grown on a moderate scale with most armers, and be made to pay in various ways. Perhaps the least expensive root grown is the flat turnip. It comes to maturity in less ime than other roots, and hence is often raised successfully as a sceond crop with corn, after peas or early potatoes.
When the erop is to be grown with corn it s usual to sow broadcast in the cornfield at the time of the last hoeing of the corn in July. Those who have raised them in this way claim that they are of no detrinent to the corn, as their growtb is chiefly made after the corn has attained its full size. When raised in this way it will he seen no labor is required with the groop exccpt in the harvesting. They make a may be fed to good adrantage iu early Winter: Crops of from 300 to 400 bushels per acre are often raised in this way, and are legarded by nany as quite equal in value to au average crop of corn. When fed to milch cows they seep so well as other roots, and should he fed out in the early part of Winter. This, of course, renders tbem less valuahle than the ruta-baga and other varieties of turnips that are later keepers.
For late keeping there is no root, perhaps, that surpasses the mangold. While in England, last season, we saw immense heaps containing thousands of hushels that were being opened in July, and the mangolds came out fresh and brittle and were highly relished hy stock. It England they are stored in long heaps, covered with straw and earth.
When cattle are kept ou the soiling system, mangolds can be grown to good purpose, sinee a quantity of succulent food can be stored up that may be used early in Spring, before the usual forage crops are ready. The mangold requires a rich, deep soil, and heavy manuring. They are sowu in drills, wide enough apart to admit of being cultivated with a horse hoe. The yellow glohe mangold, with good cultivation, gives immense crops, and for cat tle feeding is believed to be one of tbe most profitable roots to be grown in this country. The mangold is not so well adapted to feed ing in early Winter as the turnip and carrot, as tbey are apt to scour the cows. Wheu very nutritious.
Carrots make most excellent food for all kinds stock, but they are more difficult, or at least more expensive to grow, than either be turnip or mangold. They succeed well on a deep clay loam. They are of exceedingly slow growth during the early part of the season, and such soils as are adapted to them are apt to throw up a vigorous growth of weeds, before the rows of carrots can be well marked out, making the early weeding tedious.
On very weedy lands it is a question whether tbe crop can he made to pay with us, even when labor is cheap, but upon land which has been for two years in hoed crops, with good ers contend they may be grown at a good
of 600 to 800 bushels per aere. We have grown large crops by pursuing the following method of culture: On land which was plowed iu the Fall, plow again deeply, about the middle of May. Tben, about the first of June cart on a good coat of well rotted manure, spread and plow in. Plow agaiu the middle of June, harrow and get in good order, and drill in rows two feet apart. The repeated plowings kill and check the weeds, so that but little trouble is had in the first weeding, which should be attended to as soon as the plants can be seen. Thin out the plants in the rows, so they will stand about five inehes apart, and the after culture may be done with tbe horse hoe. The carrot makes a superior feed for horses, in connection with oats, and with oats at 80 cents per bushel, carrots will pay as a horse feed.
With rather a doubtful prospect for the Spring graiu crops, on account of the cold, wet, hackward Sumuer, we believe that farmers will make a good investment hy growing a crop of ronts to meet the requirements of their stock. They afford food peculiarly suited to the constitution and hahits of neat stoek and promote their health. They serre to uake up a variety of food which animals need, and on this aeeount are often more valuable than grains.-Utica Herald.

\section*{CUTTING HAY EARLY.}

It is now better understood than formerly that some kinds of hay should be cut early, epecially for cows. But in the declaration o ew doctrines we are disposed to go to the exreme. Because some grass cut in June or arly July makes better hay, it is not to he as sumed that all grass will. Clover, orchard grass and timothy attain their growth and mature rapidly and early, and very soon, if not cut, loose their good quality; and this is true also of some other kinds of grass growing on rieh and warm uplands, and on any highly cultivated land. But there is a great deal of meadow which affords a very superior quality f hay, though cut late in August. This is the case with mueh of the bottom lands, or half its growth by the fourth of July, aud, cut so early, would want its superior quality It dries up rapidly, the juices being only par tially dereloped, aud it lacks nutriment. An oue who has had occasiou to mow a strip of
such grass in the early part of July and to cut the grass acijoiuing this strip four weeks later will he struck with observing the difference, uot ouly in quantity, hut in the quality of the two cuttings. There is also a great deal of upland natural meadow, wherc the grass is of slow growth and late, and where the quality of it for hay improves nearly as long as it coninues to grow, retaining its good color and rieh aroma quite late iu the season. In sea
sons of low temperature, sucb meadows will furnish an excellent quality of hay, cut as late as the first of September.-Country Gentleman.
a Valuable Milk Farm.-Mr. Ross. Wi nans of Baltimore, now over seventy years o age, purchased in 1861, a farm of ahout seven hundred acres, along the banks of the Patapsco river, aud about six miles from Baltimore His land eost him \(\$ 50,000\); he added buidings at a cost of \(\$ 20,000\); his fencing cost him \(\$ 3,000\), and he manured at an outlay of \(\$ 67\) 00 -uraking the total cost of his estate \(\$ 120\) 00. During the year ending on the first May last, his sales of milk amounted to \(\$ 37\) 630.71 ; of cows and calves, in the same period, he sold \(\$ 11,986\) wortb, aud had fifteen or twenty more animals on hand than at the com mencement of the year. He howcver pur chased \(\$ 9,098\) worth of cows and heifers dur ing the year. At the close of the year he had on hand two liundred and tweuty tons of hay nd his total product of hay for the year was estimated at eighteen hundred tons-a great
verage per acre. His system of manuring tends to build up and nourish his land, and no to impoverish it. His milk is sold to the small

Inflamastion of the Udder. - One of the troubles to which cows are subject during the early season of tbeir milk, is caked bag, or inflammation of the udder. In most cases, two or three thorough bathings iu cold water will allay the inflammation, and effect a cure. If you would make a tbis, rubbing it in with the hand, working it quite up on the sides where it comes in contact with the legs and unites with the body, letting as mueh of it adhere as possible. It will act more continuously than a mere wash, and generally reduce tbe inflammation in twenty-four hours. If not,
repeat it. Wisconsin Farmer.
 なि. - Mssonsin Farmer.

Flue Farm and Frieside.

\section*{}
G. W. And S. S. FOSS, EDITORS

SATURDAY, JUNE 22, 186

\section*{ Fin \\ TO SIX MONTHS' SUBSCRIBERS}

All, persons who subscrihed forsir months only, to the Farm
AXD Fincsup, muat renew their subsriptons before July list, therwlee thelf papers will be discontinued.

\section*{CAREFUL EXPERIMENTING}

In developing new ideas, and in testing the truthfuluess of freshly promulgated theories, we are too apt not to sufficiently take into consideration all the attendant circumstances. Sometimes that is aceredited to experiment which may be the result of the purest aecident; and one man may fail to produce the result his neighbor did, though following precisely the same rule and rontine. To the want of taking all the circumstances into consideration may be attributed the contradictory opinion in reterence to certain processes.
Farmer A. experiments with a newly advertised fertilizer. Last year bis grain looked sickly, grew up sparsely, and headed badiy: This year he applies the fertilizer in question and he is jubilant orer the result, the yield being abundant in quantity and superior in quality. Of course it was the artificial stimnlant that did it! But stor, farmer A., we have a few inquiries to make:
"Neighbor B.'s field looks as well as your Whow did it look last year?
Wretcbed, sir ; worse than mine.
Did he apply, this ycar, the fertilizer yo laud so highly?
"He did not," replics farmer A., a shadow of misgiving passing over bis face, as he al ready anticipates the final query.

If his field, in whieh the artificial stimulant wous not used, presents as fine a yicld a that of yours, in which it ecas used, what righ bave you to attribute the flattering appearance of yours to the fertilizer in question? May not the quality of the seed, the time of plant ing, the fivorableness of the scason, or a doze other different ageneies
Those results are most surely to be relied upon that follow a succession of experiments that are made when all otber circumstances are equally favorable, and that are founded on observations that suggested their practicability. We will give a case in point:

Mr. Hendersor, author of "Gardening for Profit," paid considerable attention to the insect which attaeks the roots of the cabbage
family, causing the destructive discase known as the "club root." One locality was free from the pest, while another quite adjaceut wilted under it. Suspecting that the differenee existed in the soil, he examined that of the former, and found it abounding in granulated particles ot oyster shells, a deposit washed up from the river shore. This discovery suggested to him, and quite uaturally so, that in all probability the insect was a fastidious one, and
liad an especial ayersion to limy substances. He applied hone dust liberally to an affected lot of ground, and the next crop was free from tbe disease, while an adjoining one, which bad not been thus treated, was not.

Subsequent experiments convinced him that the insect cannot exist to an injurious extent in a soil impregnated with lime. The fact that
the adjacent tract was planted at the same time, and other circumstances made as much alike in both cases as possible, with the exception of liming, was strong corroborative testimony. Of the latter, more was addueed in the fact
that he could raise snceessive erops by applying the same remedy. This was contrary to an experience of twenty ycars ; cach alternate year the pest had developed, beeanse the insect attacks the cogs in the sol the fition second year.

We give this as an instance of the proces whene bentit the world so much. Obserrations and benefit the world so much. Obserrations correctly made are the starting point; next cause to etlect, to be followed by discriminating experiments, which prove the course of reasoning to be cither false or trutbful. We repeat it : experimental faruing requires a fair allowance of good judgment. If more of this quality was possessed and exercised, somethings in farining operations would seem less contradictory and less time would be lost in exploding the ries as nebulous as they are preposterous.

\section*{A COLD SUMMER.}

Tie unusually wet and eold Spring-the most backward since 1837 -is succeeded by cool, cloudy, wet June. Sucb weather is certainly remarkable; and many farmers who cultivate moist, late land, begin to despond of making a eorn crop this year. It will be renembered that a French agricultural writer, of much distinction, predicted, in January, that we should have a cold Summer in 1867. We wrote a paragraph in reference to this me corologist's prediction, in April ; yet did not consider it of much importance, for scientific men are not infullible, nor are they generally more correct in weather wisdom than tarmers Who are practical uetcorologists.
Without giving the French savant the credit of prophesy, we are admonished by the remarkalle character of the scason to acknowledge that he made a tolerable eorrect guess this time. We are also admonished of this fact, that unless the balance of the season is more propitions, a very large section of the country, especially New England aud the Nortb-West, will not raise half a corn crop. The planting in those sections was retarded by cold weather and an unusual rain-fall tbrough out April and May ; in fuct, many thousands of acres were not planted until the advent o June. Now, witbout a very farorable Summer, and the absence of frost in early Autumn, an average eorn crop cannot be produeed this cason.
We do not wish to discourage our farm riends, but, on the contrary, desire to remind hem of the best thing to be done to avert failure in a season like the present. Good ent fure always increases a corn crop, even in the most favorable of scasons; but now, the art perfect culture, as far as practieable, mus be adopted. As often as the ground is dry and friable, keep your one horse plougbs, cul tivators and hand-hoes in operation. By this extra attention to the crop yon keep the soil in good older, giving it a chance to absorb the extra rains, and also permitting the solar heat to penetrate the surface and warm it up. Fre quent rains form a hard crust on mauy soils which refleet the beat instead of absorbing it The only remedy for this is to cultivate often and give the young corn the best possible cbance. With a season of an average low temperature, like tbe present, we cannot ex pect fair crops without extra labor. Even if will be repaid by increased your extra til

Cheese Factomes.-The rapidity of in crease in checse factories, in some of the States, is remarkable. New York takes the lead, as in most improvements in agriculture and has now nearly four hundred eheese facto ries in operation-nsing the milk of more
than one bundred and seventy thousand cows. Obio counes next, laving upwards of sixty factories, and consming the milk of forty-two thonsand cows. Massacbusetts claims a dozen factories, to which thirty-seven tbousand cows enntribnte their milk-proving that the Bay State factories are larger than those of Ohio. The great State of Pennsylvania, wbich is one of the largest and best grazing States in the Union, has only five cbeese factories-towards which less than one thousand eows contribnte their milk. With as good grazing land as can be found between the Atlantic coast and the Rocky Mountains, Pennsylvania does not pro duce half her own hutter or cbeese.

SPIRTT OF THE AGRICULTURAL PRESS.
The Prairie Furmer, of Chicano, is repre ented at the Paris Exposition by one of it home an interesting serics of letters, descipp ive of agricultural machinery and other mat ers, as witnessed at the grand carnival of na tions.
Potato bugs have commenced their ravages in the North Western States. The Wisconsin Fammer, of Madison, says "the bugs pounce on the vines as soon as out of the gromed, and make sbort work of them." This exhibits the wicked character of Wisconsin bugs ; out this way they are more considerate-if not reason tible -or they ruely yisurut potate vines m. til about the time they are in blossom. A
sprinkling of ground plaster or sulphur is remedy for these rascals.

The Southem Ruralist, of Gicensburg, Lou siana, invites ns to copy its prospectus, stat ng, "we will pay you in rines or seeds-ou prodigal in poverty, perhaps. Send us a seed of Jonali's gourd, and we'll see kow it looks.
The cultivation of the olive, and its manu facture into oil is strongly recommeuded by
the California Farmer, of San Francisco. The Editor is excessively fond of the genuine Span ish olive oil, (Eastern Editors are slippery enough without it!) and predicfs that the time is coming when olives will be extensively grown on our Pacific shores. As the olive yields its erop biennially, we are fearful that
our California friend will never see an annual our California friend will never see a
harvest of olives in the Golden State.
A correspondent of the Rural New Yoker, of Rocbester, predicts this year a prolific one or the cut-worm, on aceount of the cold, back he says late ploughing of greensward, for corn, is desirable. The grass thus turned under, (near the time of planting), affords food for the cut-worn until the corn plauts are heyond a heavy roller over the land before the crop is planted. Tbis is all exeellent advice, but too late to be applicable for this season.

The agricultnral Editor of the Suturday Evening Post, Philadelphia, is visiting the new settlements" in New Jersey. Amoug other matters, he talks sensibly to all who
have laud-fever on the brain. Hear what he
- Don't let your ambition to become a larse landed proprictor lead you into the purchase of more territory than you can pay for, imrove and properly cultivate; having in mind lways these facts, that one acre thorourly culvated is better than three slovenly man slaughtered; and that in farming unimproved cres pay no dividends.

The Magazine of Horticulture, Boston, has a capital artiele on Farm Embellishment. The author urges the importance of neat buildings, shrubbery, and a reasonably sized lawn. From one to two acres, with smooth grass, shade trees, both deciducus and evergreen, add much o the attractiveness of all rural lomes. Nc Fugland farmers have better taste in these mat
ters than our agriculturists in the Middle and Vestern States. A farm with lawu, shate trees, \&c., always commands a better price, to say nothing of the pleasantness and attractiveness of these embellishments.

The cultivation of Small Fruits has made greater progress in the last ten ycars than it ever made before in this country. Attention just now being especially turned in this direction. The Massacbnsetts Ploughman of the \(15 \mathrm{stl}_{1}\) inst. devotes a leader to the subject, urging farmers at least to enltivate cnough of the small fruits to supply their own families and those of a few of their neighbors. Such conducted, in their devotiug more time and ground to the object; because small fruitsoffer as wide, and promising and safe a ficle for
enterprise and thrift, as any other branch

Hoe: Evens One that Timrstetif:-The New Eagland Farmer insists upon a fiequent hocing of the com crop; it not only eradicates
the weeds, but tends to warm, moisten and manure the scil. The cultivation admits the water to the poante, stimulating their roots. arrying freely with it the ammonia, so that it oucbes the mincrals in the soil and dissolv
a acceptable portion of them. Tillage is an acceptable portion of then. Tillage is
essential as manue; it was the main stay ancient farming; the Romans thade sterculins of animals had the same eflect u!en the soil as o hoc it.
The Cotton Cror.-Speculators in coton begin to croak from the planting of the seed the Rebellion, when cotton buyers and specuhators controlled the market, we heard a great deal of this talk; recently these iaterested gentlemen have uttered the old cry, and would
make us beliere that a small atea is planted, and that the crop prospect is unfarorable. Georgia correspondent predicts a crop of \(500,-\) peaks enthusiastically of the prospect in a najority of the sea-board counties. From Alabama, we hear grmmblings from the country
press becanse" so much land is planted with cofton." Louisiana papers say the growiug crop looks healthy, but is full two weeks late. From these facts we couclude that free Inbor has not murdered King Cotton; that its culnee is by uo means abandoned, and that the cop of 1867 will be much larger tban that of ast year. Tue steady decline of cotton goocls at the North is an evidence of co failure in this


Cattle are becoming so scarce in the Northern tates thet it is eneouraging to read in a late Jacksonville (Fla.) Union, that such immens
herds of cattle are roaming at will tbrough the herds of cattle are roaming at will tbrough the
wilds of that State and Georgia, as to prove a serious inconvenience to the railroad trains whieh travise those sections.
A correspoudent of the American Agriculturst says that rafs dislike coal tar very mnco, and that he is in the habit of daubiug it about their holes and runs, with grood results. Coal hick mortar, is an effectual stopper to rat-holes.
The Cuban sugar crop will be ten per ceut.
hort of an averag
The Prairic du Chien Union says 20,000 ushels of wheat arrive there daily, and there nust be more wheat an speculators say
Through the whole Soutb the carliest veretales and the first spriug chickens are brought into the towns by the freedmen. "And they
save their money to buy them a farm, to lead clifferent life.'
Horace Grecly says that he lost \(\$ 1200\) by the Fawks steam plow failure in Illinois, but be still expresses the belief that within ten years land will be plowed tweuty inches deep at a ost of \(\$ 1\) per acre.
In regard to killiug Canada this:les by plowYg and boeing, a corresponcent of the Ner York Farmers Club says he has a piece of land that has been hoed 15 years, and there are ten If succeeds better in mowing them when in blossom.
A piece ol roofiug slate, any thin flat stone, ane a sbingle, placed nnder canteloupes, Fom estrocting de., will prereut the grom of the melon, aad also considerably hasten its ripening.
A Cow swallowed a moccasin snake, near Pctersburg. Vil., a few days since, and died in a few minutes.
The cultivation of Carolina rice is to be comnenced in India, where experiments

Elegance does not Make a Home. - I never saw a garment too fine for man or maid; there was never a chair too good for a cobbler, a cooper or king to sit in, never a house too fine to shelter the buman head. Thesc clements abont us-the gorgeons sky, the imperial snn, are not too good for
the hnman race. Elegance fits man. But do we not value these tools of honsekeeping a liftle more tban they are worth, and sometimes mortgage a house for the malogany we wonld bring into it? I had rather eat my dinner off the lhead of a barrel, or dress after the fashion of John the Baptist in the wilderness, or sit on a block all my life, than to consume all of myself before I got to a boinc, and take so much pains with the outside fbat the
inside was bollow as an empty nut.


\section*{Fireside 瑻eading}

\section*{HOW I CAME TO BUY A FARM.}

In the first plaee it runs iu the blood. If there is auy law I helieve in, it is that of the hecreditary transmission of traits, qualities, capacities and passions. My fatheris a farmer, my grandfather rocs, and his father before him, and his again, to the seventh aneestor, who
eame over iu one of Williau Penn's vessels, eame over iu one of Williaur Penn's vessels, fluous sylvanism of the Apostle's Sylvania. If I could hrush away the elouds whieh hang ahout this portion of the genealogical tree, I have no doubt that I should find its trunk striking through eottages or country halls for some eeuturies further; and that "Roger" (of 1614) the son of Thomas, the son of "Roger," who wore the judieial ermine upon his eseutcheou, had his favorite eouutry-house in the neighhorthoorl of London.
The ehild that tumhled into a newly plowed furrow never forgets the smell of the fresh earth. He thrives upon it as the hutcher's boy thrives upon the strean of blood, hut a healthier apple-red eomes into his eheeks, and his growiug musele is subdued in more innocent pastimes. Almost my first recolleetions is that oî a swamp, into whieh I went harelegred at morning, and out of which I came, Wheu driven by hunger, with long stockings of hlaek mud and a mask of the samc. If the child was missed from the house, the first -2 mound whieh overlooked the swamp. Somewhore, among the tufts of the rushes and the blade leaves of the ealamus, a little brown ball was sure to be seen moving, now dipping out of siglt, now rising again, like a bit of drift on the rippling green. It was my head. The pins with orange spots, bahy frogs the size of pins with orange spots, bayy fogs the size of phlox.
I eannot say that ny boyish experienee o farmiug was altog ether attractive. Ihad a con
stitutional horror of dirty hands, and my first stitutional horror of dirty bands, and my first
employment-picking stones and weeding
eoru-wcre rather a torture to this superfine taste. But almost ceery field had its walnut tree, and many of the last year's nuts retained their flavor iu the Spring; melons were planted their flavor iu the Spring; melous were planted among the eorn, and the meadow whien lay Besides, there were eggs to hide at Easter; cherries and strawherries in May; fruits al Summer; fishing parlies by torch-light; lohelia and sumac to he gathered, dried and sold for poeket money ; and iu the Fall, ehestnuts, persimmons, wild grapes, cider, and the grand persimmons, wild grapes, cider, and tha grand
"butchering," after frost eame-so that all the pleasures I knew werc those incidental to a farmer's life. The books I read came from "fodder" on the dark Winter eveuings was lightened by the antieipation of sitting down to Gibbon's Rome, or Thaddeus of Warsaw, to Gibbon's Rome, or sure I sometimes envied the storekeeper's hoy, whom I had onee seen shoveling sugar out of a hogshead, aud who now and then stealthily dipped his hand iuto the raisin hox; but it is not the nature of any child to he perfectly satisfied with his lot.
A life of three years iu a small country-store effectually eured me of such folly. When I returned to the homestead as a youth, I first the open air: I was then able to take the plow-handle, and I still remember the pride I felt when my furrows were pronouuced even and well turued. Although it was already deeided that I should not make farming the business of my life, I thrust into my plans a slender wedge of hope that I might one day own a bit of ground, for the luxury of having, is not the profit of eultivating it. The aroma of the sweet soil had tinetured my blood; the black mud of the swamp still stuck to my eet. It happened that, adjoining my father's property, there was an old farm, whieh was fast relapsing into a state of nature. Thirty or forty years had passed since the plow had touehed
any part of it. The owner, who had lived any part of it. The owner, who had lived
upon auother estate, had always deeliued to sell-perhaps tor the reason that no purchaser could he found to offer an eneouraging priee. Left thus to herself, uature played all sorts of wild and pieturesque pranks with the property Two leaps of stones were all that marked the site of house and harn; half a dozen ragged plum and peaeh trees hovered around the outsurvivors of all its bloom and fruitage; and a mixture of tall sedge grass, sumaè aud hlaekberry bushes eovered the fields. The hawthorn hedges whieh lined the lane had disappeared, but some elumss of privet still held their ground, and the wild grape aud the scar-let-berried celastrus elambered all over the tal
sassafras and tulip trees.
Along the road whieh bounded this farm on the cast, stood a grove of magnificent oaks, more than a hundred feet in height. Standing too elosely to admit of lateral boughs near the ade ciear against the sky, and the sumset, hurning through, took more gorgeous hues of orange and angry erimson. Knowing that if the farm were sold, those glorious trees would he the first to fall, and that the sunset would ally came to contemplate them with the interest which an uneertain, suspended fate in spires. At the foot of the oaks, on the horde of the field, there was an old, guarled mother pine, surrounded hy her brood of young ones, always springing up in the same direetion, and from the faet that the seeds were seattered by the nor'west wiuds, seemed to be running off down the slope, as if full fledged aud eager
to make their way into the worth. The old pine had an awful interest to me as a boy More than onee huge blaek snakes had been seen hanging from its boughs, and the farm hands would tell mysterious stories of an old mother serpent as long as a fenee-rail, and as swift as a horse. In faet my krother and I on our way to the peaeh trees, which still produced some bitter flavored fruit, had more
than once seen snakes iu our path. On a cer-
the snake while be ran away. His story is that he chased and I ran-and the question re nains unsettled to this day
In another wood of ehesnuts, heyond the field, the finest yellow violets were to be found. The azaleas blossomed in their season, and the ivory Indian pipe sprang up under the heech trees. Sometimes we extended our rambles to the end of the farm, and looked down into the secluded dells which
climpses were like the discovery of unknow lands. How far off the other people lived How strange it must he to dwell eontinually down in that hollow with no other house in sight. But when I build a house, I thought, shall huild it upon the ridge, with a high steeple, from the top of whieh I can see far and wide. That deserted farm was to me like the Ejuxria of Hartley Coleridge, hut my day dreams were far less ambitious than his. If I hat known then what I learned afterwards, that a tradition of huried treasure still lingers abou the garden, I should no doubt have dug up millions in imagination, roofed my house with golld, and made the steeple thereof five hundred feet high.
At last came the launch into the worldslide, a plunge, a shudder, and the ship ride the waves. Absence, oceupation, travel, sul stituted realities for dreams, and the farm, not forgotten, heeame a very subordinate oh ect in the catalogue of things to be attached Whenever I visited the homesteal, howevel I saw the sumset through its grating of forest, and rememhered the fate that still hung sus pended over the trees. Fifty years of neglec had giveu the plaee a had name amoug the farmers, while Nature, as if delighted to re eover possession, had gone on adorning it in er own matchless way. I looked on the spo with an instrueted eye, and sighed, as counted up my seanty earnings, at the reffee ion that years must elapse before I could ven ture to think of possessing it. My wish, ne ertheless, was heard and remembered.
In July, 1853, I was on the Island of Loo Choo. Returning to the flag-ship of the squad on, one evening, after a long tramp over th hills to the south of Napa Kiang, in a sueeess ful seareh for the ruins of the aneient fortres of Tima Gusku. I was summoued by the offier of the deck to reeeive a paekage whieb ad heen seut on hoard from one of the other vessels. Letters from home, after an interval of six months without any news! I immediately asked permission to burn a lamp on the orlop-deek, and read until midnight, forget ting the tramp of the sentry and the sound of the sleepers in their hammoeks around mc Opening letter after letter, and devouriug, piece by pieee, the banquet of news they eontained, the most startling as well as the most mportant communieation was-the old farm was mine! Its former owner had died, the property was sold, and had heen purehased in my name. I went on deek. The midwaten had just relieved the first ; the night was piteh dark, only now and then a wave burst into a lash of white fire. But as I looked westward, over the stern rail, I saw the giant oaks, risin blaek against the erimson sunset, and knew that they were waiting for me-that I shall surely see them again.
Five months afterwards I approaehed home, after an absence of nearly two years and a half. It was Christmas Eve-a elear, sharp Winter night. The bare earth was hard frozen; the sun was down, a quarter-moon shone verhead, and the kcen, northwest winds hlew in my faee. I had known no Winters for three years and the bracing stimulus of the cold was almost as novel as it was refreshing. Presently I reeognized the boundaries of \(m y\) property-yes, I aetually possessed a portion of the earth's surfaee! After all, I thought possession-at least so far as nature is eon-
eerned-means simply protection. The moon-eerned-means simply protection. The moon-
lit wilderuess is not more heautiful to me than it was hefore; hut Ihave the right, sceured by legal documents, to preserve its heauty. nced not implore the woodmen to spare those trees; r'll spare them myself. This is the only
loug as any portion of the landscape, whic pleases me, is not disturbed, I possess it quite as much as this.
During these reflections, I had reached the oot of the ridge. A giant tulip tree, the hone of whose blossoms I had many a time pilfered in my boyhood, erowned the slope, dropping its long boughs, as if weary of stretehiug them welcome. Behind it stood the oaks, side y side, far aloug the road. As I reached the rst tree, the wind, which had fallen, gradually welled, humming through the hare branche until a deep organ bass filled the wood. was a hoarse, yet graeeful ehorus of we come-inarticulate, yet intelligible. come, welcome home! went hooming through the trees, "weleome our master and our preserver! See, with all the voice we can catch from the winds, we utter our joy; for now there is an end to fear and suspense ; he who knows us and loves us spreads over us the shelter of his care. Long shall we flourish on the hill; long shall our grateful shadows cover his path. We shall hail his coming afar; our topinost houghs will spy him across the valleys, and whisper it to the fraternal woods. We are old; we never change; we shall never cease to remember and to welcome our mas

So the trces were the first to reeognize me Listeuing to their deep resonant roices, (which I would not have exehanged for the dry rattle of wared league long forest of tropical palms.) nothing hut the actual sight of my own property eould have suggested. I felt like a tired wimmer, when he first touches ground-like rudderless ship, drifting at the will of the storm, when her best bower takes firm holdlike a winged seed, when after floating from bush to bush, and from field to field, it drops at last upon a haudful of mellow soil and strikcs root. My life had now a point tlappui, and standing upon these acres of real estate, it seemed an easier thing to move the world. A million in hank stock or railroad honds eould not have given me the same positive, tangible sense of property.
When I walked over my fields, (yes-aetualy my fields) the next day, this sensation returned in almost ridieulous exeess. "You will of eourse eut down that ugly old tree?" said some one. It impressed me very mueh as if I had been told-"that ehapter in your hook is inferior to the others-tear it out!" or, your little finger is crooked-have it ampu"ated!" Why, cren the sedge grass and sumaes -how heautiful they were! Could I ever make up iny mind to destroy them? As for the eelars, the hawthorne, the pivet, the tang-
led masses of elimbing smilax-no, hy the led masses of elimbing smilax-no, hy the
hones of Belshazzar, they shall stand. "This field will not be worth mueh for grain." Well -what if it isn't? "Everything is wild and neglceted-it wants eleaning sadly." Everything is grand, beautiful, charming; there is nothing like it! So ran the eourse of remark and eounter remark. I did not suffer my equanimity to be disturbed; was I not sole owner, appellator, and disposer of all? Nor did the treess appear to be sensible of the least fear. They leaned their heads against one another iu a sort of happy eomplaeent ealm, as if whispering-"It's all right; let
Yes, one eannot properly be considered as a member of the Brotherhood of Man, an in habitant of the earth, until he possesses a portion of her surfaee. As the sailors say, he stays, he don't live. The Agrarians, Communists, Levelers, and Flais of all kinds are replenished from the ranks of the non-owners of real es tate. Banks hreak; stocks and scrips of all kinds go up and down on the finaneial see-saw but a fee simple of solid earth is There You see it and you feel it; you walk over it. It is yours, and your ehildren's and their pro-foreelosure-until the Millennium.
And this is how I eame to huy a farm
-Sori that needs more top-dressingLadies' heads.

\section*{CHANGE OF SEEJS}

From the "Report of an Agricultural Tour in Europe, "ly John II. Klippatt, Esq., cently submitted to the Ohio State Boarrl of Agriculture, and published in the late annual report of that body, we extract the following
I made many inquiries and collected quite number of items, facts, or at least supposed facts, in relation to the changa of farm crop sceds, but as it would require entircly 100 much space to give the details of a tenth part ol them, I uust content myself by giving it simple statencut of the conclusions I arrived at, based, of course, upou the statements detailed to mc. It appears that any farm crop, as wheat, fur example, may be much improved by culture on a farm with appropriate soil; but there is a limit to the improvement of this variety, which I will designate as varicty A. ou this iam, which I will designate as firm No. 1. Alter the limit of improvement has een attance ono. It will then, for a serie ol years, remain stationary, aud after that, creu with the best culture, will deteriorate.
But if, when it hats attaned its limit on No. 1, and is then transferred to a farm No. 2, with equally good or better soil, it appears to be susceptible of still further iuprovement, until it reaches the limit of No. 2, then it will improve again on farus No. 3 , ctc. Whilst the variety \(A\) is deteriorating on farum No. 1 , the variety \(B\), under proper treatment from farm No. 2 or 3 ,
will improre by the side of it. IIence, the Geruan farmers have adopted a system uf seed exchanges and arc anxious to obtain seeds from toreign countries. They scem to have given this subject a great deal of attention, aud take into account the kind of soil, meterology, aud level ahore the sea where the seeds were grown, and I rm inclined to think they make it a poiut to ohtain good secds frou clevated regioss growu on an iuferior soil. The exchauges are conducted mostly by the local agricultural societies. The Sunderhausen agrieultural association have made many experiments iu the exchange oi seeds, aud now recommend, ts the result of their experienec, that "seeds from a profitable, and vice versa!

Benefit of Advertising in the Farm and Fueeside.-MIr. Johu Gites, of South Frauniugham, Mass., two weeks ago adverised several head of Jersey cattle. Ine informs us that this little advertisement was the means of selliug all of theur. Joseph G. Ray, Esq., of Frauklin, Mass., hought fisc. This remiuds us to say that Mr. Ray recently sold a Jersey cow, with call by her sidc, for six huudred dollars. She was twelve years old. Five sears previously he bought her of Mr. Giles.

Radisues.-If any of our readers who cannot raise ladishes on account of worms, or uusuitable soil, will strew common wheat brau,
one iuch thick, ou any good soil, and hoe it iu, and theu plant their seed, they may eat as good radishes as anyloody can raisc.

At a receut sale of Alderney cattle near Baltimore, Indiana, sisteeu cows and heifers were sold at an average price of \(\$ 224.75\) per head. The highest price was \(\$ 380\) for a tour year old cow. Fire bull calres sold at au ar erage of \$75 each. The highest price w \(\$ 55\) and the lowest \(\$ 65\).

Small pams, it appears, are wanted iu Virgiuia. At a meetiug on Friday, of farmers, laudowuers and eapitalists at Alexandris, it was unaniunously" resolved "that the great need of this State is that the lands of Virginia should be divided into smaller farms than those in which they are now held, iu order to promote he settlemeut among us of real owners of the soil, who will thus have a direct interest in the future welfare aud prosperity of the State."

Sale of Thohougit-bied Holses. - The large sale of thorough-bred horses, and improved cattle, owued by R. A. Alexander, of Woodbarn, Kentucky, came off, on the 13th inst. The prices aseraged very low, for stock of so much celebrity

Wre wariets


RIGHTON CATTLE MARFET




Heaths.


Spectial Hatices.
mother baleeys quieting sirif yor chle
\(\qquad\)

Hew Huturtisements.


Prop. Turner, of Illinois, adrises bee-keerers to have at hand several dry stalks of mullen with the long colss or seed tops entire, and when the
bces are swaruing, have ceady tlree or four of the stallet tied toreller


 light, will usually determine them to light there rather than on any other part of the same tree, or on one very near to it. be convenient for them to



\section*{The Stach－怕ard．}

\section*{neat cattle．}

Written for the Farm and Fireside， I propose giviug you two or three chapters on＂Neat Cattle．＂I shall not give you theory
simply，（as I fear too many agricultural wri－ ters of the present time do），but the real，prac－ tical truth，sucb as I have myself bought of that rather cxpensive，but，ncvertheless，cer－ tain teacher，Experience．I like to see evcry writer understand the suhject of which he writes；and if he knows nothing of farming， why write on agricultural subjects？Is it merely hecause he loves the country，and ru－
ral scenes and subjects？I fear too much has ral scenes and subjects？I fear too much has hecn written on agricultural suhjects－such as
stock ot different kinds，\＆c．，\＆c．，一by men stock ot different kinds，\＆c．，\＆cc．，－by men
who know as little about sueh things praeti cally，as a school boy．Hence the present great ohjcction to book and newspaper farn－ ing hy the masses．＂Many of your teachiugs are falsc，and lead us into expensive mistakcs， says uncle Peter Prosperous．But my prefac is already too long；so now for the story．
Darry Cows．－－Select and keep tbe very best only．A good cow，well kept，is profitable． Poor cows are unprofitahle．My own experi－
euce in selecting cows for dairyıng or furuish－ euce in selecting cows for dairyng or furuish
ing milk to sell，is to select good wedge－shaped animals，beavy hind quarters aud tapcring towards the head，with light heads，long faces， and usually small wax－colored horns；also， slim neeks，small tails，capacious udders，run－ ning well forward，milk vcins large，teats good ning well for ward，mike set well apart．I care not
size，rather long and sither for hreed or color．It is all humbug for dairy profit．（Breeding Stock is another story．）I
think it would generally pay as well for large think it would generally pay as well fur large
farmers，say those who keep from 20 to 30 cows，to raise some five to eight or so of their best heifer calves each year，from their very hest cows，and from a bull which you kuow to be from a good wilking family．By so doing， and by selecting the best only to kcep from
the heifers you raise，（when they have their first calf，you will in a few years have a better herd，and a better paying herd of eows than you will be ahle to buy．As to color，I care but little about it，so long as a cow has a good yellow skin，a striped hoof and a wax－colored
horn．If her hair is soft and silky，I care but little ahout the color of it．I have notice．hut little，if auy，differenee in the quality of milk， betwcen＂Old Brindle＂and＂Little Red，＂ while the＂Roan Cow＂makes as good a calf＂ as either，aud holds her milk as late in the Fall．The boys think＂Old Topsy，＂the brown cow，will beat the whole flock；hut for the＂season througb，＂I should as readily het on＂Annie Laurie，＂the pied cow．So you
see that color is all a faney，save in the color of the tcats．I should prefer colored to white， as being less likely to chap or crack．

As to the profits of a cow，much depends on the milker．Some men are rank poison to stoek auy way；aud such should never attempt
to milk．A good milker will always treat the cow gently and pleasantly，milk fast and tell or listen to no stories while milkiug，and be sure to get the last drop iu the udder every timc．I consider a cow in her prime（all things eonsidered）from five to ten years old． Some cows hold out much better than others， as with men and horses；and are really as young to all intents and purposes at twelve years，as others are at nine or ten．Never
keen a cow through the Winter after she gets kecp a cow through the Winter after she gets account of her age，if her teeth are good，aud she is all rigbt，witbout auy signs of detcrio－ she is all rigbt，witbout auy signs of detcrio
ration．Cows sbould be milked regularly，and ration，Cows sbo
hy steady milkers．

Feeming Cows and Store Cattle－Summer Feed．－If you have pleuty of good pasture， with good living water，that is all sufficieut， save saltiug them regularly，once each week， if you are located back from the sea or salt water．Perhaps a hetter way still for salting， would be to bave a salting trough under cover，
and accessible to the stock cvery day．B sure to have plenty of fodder－corn for the
cows，as soon as the pasture feed begius to fail．If you have old cows that are good for milk，that you are intcuding to turn for becf in the Fall，and dairy products are pretty high， it will pay to give them two qua
nilk daily through the Summer
Winter Feeding．－Wintcr no more stock than you can feed liberally，but have notbing wasted．Let them eat the fodder clean．Cut the corn－fodder that you feed in the barn，and most of the hog meadow hay；hut fced an oc－ casional fodderiug uncut for variety．Have as many varieties of fodder in the barn as practi－ cablc，as all cattle like a change，whicb is really essential for their health．Feed regu－ larly and liberally．No man can afford to pinch or starve his cattle．Keep no more cat tle in Winter，herc，in these our Northern States，than you can house comfortably．It you bave no barn，you should have no cattle．
It docs not pay to subject them to slow torture at the stack．In my next I will give you my at the stack．In my next I will give you
views on Soiling，Stall Feeding，\＆c．，\＆c． June， 186

\section*{COOKING FOOD FOR STOCK．}

Ir renders mouldy hay，straw and corn－ stalks perfeetly sweet and palatable．Animals scem to relish straw taken from a stack，which has been wet and hadly damaged for ordinary asc，and even in any condition，cxcept＂d t，＂steaming will restore its sweetness．
It diffuses the color of the bran，corn meal， oil meal，carrots，or whatever is mixed with the feed，through the whole mass，and thus it may cheaply be flavored to suit the animal．
It softens the tough fibre of the corn－stalk， ye straw，and other hard material，rendering almost like green，succulent food，and casily masticated and digested by the animal．
It renders heans and peas agreeahle food for horses as well as other animals，and thus ena－ food in the dict of his animals．
It enables the fceder to turn everything aised into food for his stock，witbout lessen－ ing the ralue of his manure．Indeed，the ma－ nure from steamed food dccomposes more
readily，and is therefore more valuable for the readily，and is therefore more valuable for the
same bulk than that made from uncooked same
Tood．
Wc
Wc bave found it to cure incipient heaves in horses，and horses having a cough for several months at pasture，have been cured in two ffeet on steamed feed．It has a remarkahl effeet upon iorses with sudden cold，and in
constipation．Horses fed upon it seem nuch less liable to disease；in fact，in this respect， it seems to have all the good qualities of grass， the natural food of animals．
It produces a marked difference in the ap pearance of the animal，at once eausiug the coat to hecome smooth and of a hrighter color ；
regulates the digestion，makes the animal more regulates the digestion，makes the animal more contented and satisfied，enahles fattening stock
to eat their food with less labor，gives working animals time to eat all that is necessary for them iu the intervals of labor；and this is of much importance，especially with horses．It also enables the fceder to fatten animals in one－ third less time．
It saves at least one－third of the food．W have found two husbels of cut and cooked hay to satisfy cows as well as three bushcls of un－ eooked hay，and the manure，in the case of hrous matted Lay，contan thed This more particularly the case with horses．The cooking of hay and straw destroys all foul and can Farme
Best Horses for Farm Use．－Tbe hardest work on the farm for horses is breaking up sod，which certainly is not one－eighth of the whole work．Light horses，weighing 1,100 or 1,200 ，are hest for most of the other work they are hest on the road，and hefore the har think．）At cross－plowing and harrowing a
heavy draft horse．Besides，it costs much more
to keep the heavy horse，and on sandy，or we o keep the heavy horse，and on sandy， soil，he sinks so mucb as to worry him．For
all uscs wbich the farmer bas for horses，the all uses wbich the farmer has for horses，tbe
medium sized or coach borses are the best． Cor．Rural New Yorker．

\section*{RAISING CALVES．}

Of all domesticated animals，perhaps calves require the most attention，in order to make them profitable；but yet how shamefully are they neglected in a great many instances．It is amusing to note the course some people take in raising calves．In too many cascs，the farmer thinks it won＇t pay to spend his time in looking after sucb inatters，and they are placed in charge of boys；and morning aud evening pail，and armed with a stout stick with which to belabor the poor animals if they manifes too much cagerness for their scanty meal；or， if they show a dislike for the mess that is iu all prohability entirely uusuited to their tender age，they are at once pronounced sulky，and the starvation remedy is adopted，and the poor brutes are left to the scorching sun for the next twelve hours．
And thus tbey go on，with perhaps a sur plus one day and starvation tbe next，for a few weeks，when they are turned out to take thei cbance．In the Winter they take their chance
arain at the straw stack．If they die，as is not unusual，the owner at oncc concludes that stock raising does not pay；or if he happens to have patronized an agricultural soeiety that keeps first－class stock，he，of course，pronouu－ ces the whole thing a humbug，and reckous they will get no more of his money．If they all Summer to get rcady to grow again．If tough enough，they may staud it another Win ter，and then fill the ranks of the bony cows and unruly stcers whieh are the pests of high we see the sad effects of such treatment in the appearance of hundreds of poor animals on many of our farms．
That the profitable raising of ealves on dairy farms will he atteuded with some considerahle trouble，there is no doubt；hut on ordinary farms，where，as on the great majority of
farms in this country，only a limited number of cows is kept for the purpose of making hutter，there exists no difficulty in the profit hutter，there raisiug of good calves．
The course I recommend is the following Take the calf from the cow when two or thre days old，and teach it to drink new milk． know that some good farmers are in favor of taking the calf away as soon as dropped；but having tried both ways，I am in favor of leav ing the calf with the cow for a day or two，
wbich I thiuk decidedly better for the cow． All will admit that for some time after ealving the cow requires extra care and nourishment from which she is more likely to derive henefi while she remains contented，with the calf by her side，than if her young is taken away from her，aud she is further weakened by bawliug herself nearly to death，before she has in some measure regained her strength．And as re gards the calf；I find less trouble in teaching i to drink when two or three days old than attempted soouer．
As soon as it will drink milk readily，or when 10 or 12 days old，part skim milk may be added，first warming it suffieiently，with the ddition of a small handiul of sifted meal， stirring it while drinking；the skim milk may be gradually increased and the new milk di－ minished until it is ahout 3 weeks old，when the whole feed may eonsist of skim milk．－ The meal should also be gradually increased， as it is uscless to expect a calf to thrive on kim milk alonc ；any kiud of meal，or a mix－ ture of different kinds will answer the purpose． A little sweet hay should now be given．
When the calf is about 4 weeks old，a little sour milk may be added，and gradually in－ creased until the whole feed may consist of sour milk．Some calves drink it readily the first time，others require considerable coaxing，
it gradually，they will soon drink it．It must be borne in mind that all changes should be ge borne in mind that as there is much danger of hringing on the scours
Feed milk regularly，twicc a day until four months old，when once a day will be sufficient or，if nccessary，they may be weaned entirely hut contiuue to feed liherally witb meal，a cvery peck fed the first year will be equal to a bushel at any subscquent time．The feeding of the calves should not be left entirely to the boys，but they should be carefully watched，as it is very important that calves sbould be wel fed and cared for during the first year of tbeir lives，if we would make them profitable in the －

\section*{Farming 㙟iscellany．}

\section*{cULTIVATION OF HOPS}

Pronessor John Wilson，in his reporton the agricultural exhibition held at Vienna last year，mentions that，along with the samples of Hungarian hops，was shown a plan of the metbod of cultivatiou carried out at Belle，adapted for all other districts where wood suitable for hop－poles is scarce．Wooden pegs or short stakes are driven into the ground， t such distances apart as it is intended to plant the viues；and at longer distauces－usu－ ally about 20 to 25 yards－light poles are erected with a heigbt of from 12 to 15 feet above the surface，so that therc are parallcl lines all over the ground of short stakes or pegs placed at certain distances，and projecting about 8 to 12 inches in height，while parallel rows of poles， fom 12 to 15 feet high，cross these at right anglcs，and at from 20 to 25 yards apart．A stout wire is stretched horizontally from pole to pole all over the ground，while vertical wires or light ropes，made of any suitable material， are attached to the pegs and carricd up and fastened to the borizontal wires，thus offering a steady support to the hop vines during the period of growth．At harvest time the ropes are detaehcd and carried to the pieking stage with the vines，and the field eleared for the usual tillage operations without the expeuse of shifting，stacking and resetting the poles． This plan has heen carricd out during several seasons at Belle，and has becn introduced in－ to Wurtemhurg，Baden，Bavaria aud other hop－ producing countries，with satisfactory results．

\section*{FARM PROVERBS}

Use diligence，industry，integrity，and proper improvement of time to makc farming pay．
2.

Choose a farm with a soil either natural ly dry or drained，not too level nor yet steep， well fenced in proper－sized fields，not too large 3．Good，snug huildings，with dry，if not clean，yards and cellars，especially harn and stahling．
4．Economy in accumulating，saving，and properly using all manures and fertilizers pos－ sillc，no matter how rich your land may he naturally．
5．A good and tolerably fast team ；better mart than large
6．Your farming implements well made，of good materiul，not too heavy．
7．Have work done in season．
8．Always sow good，clean sceds．
9．Do not harvest before your crop is fit to harvest．
10．Do not keep more live stock on your farm than you can keep well．
11．House all things as much as possible－ auimals，utensils，aud erops．
12．Sell when you can get a fair price，and do not store for rats and speculators．

Beers for Summer use should be sown as early as the weather will permit，but such heets are not fit for Winter use．For such use，delay sowing till some time in June．Then sow in a rich，moist soil，and give them a rapid growth， and they will be much surer to cook tender and be freer from woody fihrc，than if sown

\section*{The Fireside 泪use．}

\section*{THE FARMER－BOY}

＇p agaln in the mowers＇track，
Striving to catch the one who le he fills the alr with a verdant cloud That follows him，drown hat int Screams the fierco king－fisher seeking th And a cat－hird mews in hls shady nook But the farmer－boy follows hls fragrant wa
Hectiess of volces not strange to his ear， And scatlers the grass，and wonders，the while
If humbie－hees＇nests are plenty thls year． But hark！from the hlll where the whlte fiocks fee Comes back an echo he＇s listened for long； hie dinner－horn sounds，and the mowers
And gladly he jolns the hungry throng． Back from the bouse be rides in the cart， Gec－lng and haw－Ing the slugglsh team， As they pause to pant and cool thelr sides
Midway in a shallow，bahbling stream．

The fild is reached and the work hegins； One man＂pltches，＂another man＂stow Fhlle the farmer－ho5 handes hls intle rake，
And gathers the scattered locks as be gues． algh on the lond to the harn be rides， Cllmhis to the mow and is soon at readng the upheaved masses down，
And stowing them elose with his truit Back to the field agnin and hgain， Working fast；for a cloud＇s in the West
That tbreatens rain no long time hence， That threatens rain no long time hence，
And fatber reckons this bay hls hest．

This all day long，o＇er shaven Enollis，
Spreading the hay or＂rakIng after；＂ Spreading the hay or＂rak！ng a tter；＂
Rldllng the cart to the brown old barn， And stowing lis load＇neath the lofty rafter．

The farmer－hoy toils til hls hands grow hard，
And his eheeks are roughened with rarious And his eheeks are roughened with ra
But his heart ls light，and Peace and be But his heart ls light，and Peace and be
Sleep through the qutet night together．

\section*{General 眮iscellany．}

\section*{the farm laborer．}

We favor our readers with another racy pen－ sletch from Lackland＇s new hook
Much of the farmer＇s help at the present time is made up of Irish laborers－tbe una－ dulterated，unqualified bog－trotters of their crowded Yankec laborer＇s out of the ficld；they bave bardly more tban stepped into the vacan－ cies created hy the western fever tbat bas car－ ried so many off．Our farmers can do no bet－ ter tban to hire them．Now and then one turns up a prize，but the hnlk of them wonld as soon plant their potatocs in pits on the day tby bandle thicir wages and leave，as on the day they first landed．In harnessing a borse
they would as soon throw the breeebing over bis head as ove：tbat part of bis body orna－ mented with his tail．
The life of the native hired man，dredging and wearisome as it looks to the eareless ob－ scrver，is still full of hope and houyancy．He
is not the friendless，melancholy，pitiful crea－ is not the friencless，melancholy，pitiful crea－
ture you may take bim for．Whilc he sits there in the climney corner of the old kitcben， telling stories to the boys in a low tonc，so as not to be overbeard，tbe honest hlaze of the fire shining ont over bis bronzed face，be is as mnch a king and lord as the man of the acres who hires him．He keeps no cares on his mind，hut can take \(1: i\) candle and go off to
bed in his stocking feet with the ecrtainty of
sleeping as soundly as the loouse－dog before
the fire．Possihly be thinks of home；but it the fire．Possihly be thinks of home；but it
only makes him more determined and resolute only makes him more determined and rown
to work out，some how，a home of his own．

The hired man＇s life with ou Nothern farmers is but an apprenticcship． Some of them emerge from it to pass to the dignity of proprictorship；while a great many more eontinue in the harness，tugging at the traces，and dragging out a solitary existence to the end of their days．They lie about here and there，jobhing as the opportunity offers taboring one season in this place and anothe season in that；now luying hy a trifle，and now saving scarce a penny；good－natured and trnstîul，generally；as dry and smoky as the soot that collects about their favorite chimney corners；tronbling themselves nowise with care or ambition；as full of gossip as old la dies over their fragrant Oolong decoctions and addicted to a garrulousness that，to all the children where tbey \(g\) ，is as delightful as a new story－hook．Bachelors they live，and
bachelors they die；and，as a matter of course， bachelors they die；and，as a matt
Odd sticks in the bnndle they are，incapalle of heing eitber tied up or assorted．Needful to the farmer，yet profitless，so far as results reach，to themselves．A happy，hard－work ing，necessary，favorite class of men．

\section*{HAY MAEING．}

Tirere is annually so mucb good grass mer cilessly manslaughtered in making it into hay， that it becomes the dnty of every publisher， editor and agricultural writer in the land，hap－ pening to have a better practical knowledge of hay making，to begin with the hay scason， preaching as earnestly as they can at every op－ portunity，better principles，nntila radical re form in much of our bay making practiee shal have been acbieved．
As clover usually comes first in the rontine of aying，and the scason for putting mowers aficld is close at hand，let us bear in mind that the best standing condition of clover is when the plant itself is fully developed and the heads in full，but early bloom，before any considerable proportion of them have assumed the slightest tinge of brown．Then instead of being roasted， broiled and baked，in the scorching sun until it is as black as Japan tea，as is too frequently the case with clover hay，the best plan is to cut after the dew is off in the morning，cure，spread or in tbe swath，as much as can he done ir five or six hours of clear，drying weatber，then twenty－four bours more in small cocks，shelter－
ing from dew and rain，aud haul in and put ing from dev and rain，aud haul in and put
away with the leaves still green，wilted but not n tbe least crisped or blackened by the sun．
The other grasses are best＇cut wben the talks and foliage have attained fnll growth and stalks and foliage have attained full growth and
the seeds are entirely developed，but still in a milky state．Like clover，they sliontd be cocked after a few hours＇sun curing，finished oflin tbe cock，cured but not in the least crisped，and hatiled in while still green in color，elastie and possessed of all the inviting aroma of＂new nown hay．＂If tbe foundation of bays and stacks are made well up clear of the ground， affording full and free ventilation underneath and then in stacking or stowing away a layer o clean，dry straw，say six incbes in depth， placed every two fect between the courses hay，there will be no danger of clover or any other kind of grass heating，moulding or rot－ ing，though put away a great deal greener than is the general practice，and infinitely better hay will be the result．－Cosmo，in Suturday Evenin Post．

Tue Convention of farners at Alexandria， Va．，passed resolntions to urge upon the land owners of Virginia the advantage to them－ sclves and to the State，of subdividing their lands into traets of such sizc as will mect the demands of the market，to gather information of the location，soil and character of the lands ooffered for sale and the prices of the same， and also to cstahlish agencies in the leading
eities of the United States and in foreign conn－ eities of the United States and in foreign conn
tries where it may be deemed necessary．

THE DOUBLE COCOA NUT OF THE SEY－ chelles island．

\section*{Fousid only in two small Istauds lying 300} niles northcast of Madagascar．The old French found the large nuts floatiug on the sea． They called it＂Coeo de mer，＂as not knowing ny tree which hore them，they supposed it to be a product of the Ocean．In Ishauds wher polygany prevailed，the nuts，for their restor tive propertics hrought most fahulous prices． in 1742 these Islands were discovered．Large orests of these trees were then found．One runded years it requires for its full growth， no one lnows low long they last．The com－ non cocoa nut bends to every gale，hut this tands erect under all the most terrible hurri anes of the tropics．
At thirty years of age the female blos－ om appear．It is merely the germ of the ut，and very minnte．The female tree never rows hy 20 fect，so large as the male．The male flower is an enormous catkin 3 fcet long， hy three feet wide．A single catkin produccs The weigbt of the fruit is enormous，Eleven The weigbt of the fruit is enormous．Eleren 40 lbs ．Four or five is the average number on stalk．It is ten years after the flowers open， before the fruit natures；four years hefore the embryo fruit reaches its fnil size．The nut is ahout 18 inches long，heart slape，with two separate compartments enveloped like the cocoa－nut in fibre．
Tbe hase of the trmenk is of a bulbous form． This bulb fits into a natural bowl，about \(2 \frac{1}{2}\) eet in diameter，and 18 inches deep，narrowing owards the bottom．The bowl is perforated with hnndreds of small boles，through which the oots penctrate to the earth．The bowl is of he same substance as the nut，and is helievert never rots or wears out．Fire，and the enor－ mons price of the nuts，which for tbeir sake， anses many a finc tree to be cut down，will soon cause this remarkable palm to be entirely xtinct．

\section*{SUMMER PRUNING．}

We bave long been in favor of the Summer pruning of fruit trees，of all sizes．Full twenty years ago we were convinced of its good results， It is advantageous in two ways．First，by sbort－ ening in tbe rapidly growing branches it pro－ duces fruit spurs for the following year，and brings the trees iuto any desired form．Sec－ ond，when larger limhs are removed，the wound instead of leaving a bare，protiiuding and decay－ ing stump，beautifully heals up，making a sonnd amputation．
The period when the prnning should he done one of prime importance．We see June recommended，while the trees are in their full first growth．Without having experimented， ad looking to the condition of the trees，it bis month，it does not meet our assent．
We do not helieve that it is advisable prune before the first growth of the season is completed，because of the immaturity of the ood，wbich must produce in the second a large extent，the yield of fruit the sueceeding year，which is snre to follow jndicious shorten－ ing in a later period．
In our jndgment＂Summer pruning＂should take place hetween the fiftecnth of July and tenth of August－a period wben the sap is qui－ escent and nature is resting awhile from her hors．We speak from our own knowledge of he value of midsnmmer pruning of trees， large or small．

Tre wool clip in the United States iu 18GG， amounted to \(136,000,000\) pounds．It is esti－ mated that there are in the United States 1，600 voolen mills，containiug 6,000 sets of carding machines，with the capacity of inanufacturing \(170,000,000\) pounds of clean material．

Do yon belicve in tbe appearance of spirits， father ？＂asked a rather fast young man of his in－ dulgent sirc．＂No，Tom，but I believe in tbeir disappearance，sinee I missed my bottle of bour－

\section*{WHEAT HARVESTING．}

As barvest time draws ncar，I will give you my views ahout cutting wheat－lopin
farmers will send in their experience．
The time of wheat－harvest must he deter－ mined by the condition of the grain．I believe n cutting before the crop is fully ripe．As state＂－that is，as soon as the iuner part has necome firm，hut is still soft enough to yield to the thumb－nail，wben pressed into it；the crop is then at its greatest vnluc．The straw is then of a greenish yellow，and there is still a green tinge about the liead．If wheal，in this state， s allowed to stand two or three days，the straw and bead assume a hrown appearance－ the grain is dead ripc．If delayed after this period，both grain and straw are less valnable． A portion of the starch of the grain has heen converted into bran；and，according to the testimony of the hest milters，it will not make much，or so good flour as that which is cut earlier．This is my experience in growing before it is fully ripe，and you will have the hest of grain；more albuminous matter，mor nutritions hread，and also sive from five to ten wer cent，（often more，）than
Avoil exposure to rains；it has an injurious ffeet on both grain and straw．The dark colo f much flowr is owing to allowing the grain to remain too long in the field．At the sume time，repeated wetting and drying destroys the appearance and value of the straw．All wheat should he stacked or sheltered as soon as it is nfliciently dry－otherwise expect moulding nd heating of the grain．
Toroundr，Pu．

\section*{PERUVIAN BARI．}
\({ }_{\text {it }}\) Tlue greatest boon whicb the regetable world has supplied to man，for the cure of periodical fevers and other＂painful diseases，is found in he Peruviau，once called Jesuit＇s bark．No iil of late years tbe only bome of the tree or shrnh－called hotanically Cinchona－which yields it，is in the mountainons regions of Sonth America，and chicfly in Peru，Quito and Boli－ via．Now，however，a congenial home bas been found for the cinchona on the mountains of Central Asia．The geographical range of this t：ee in America is from niue degrees south latitude to ten degrees north，following in thi distance the great mountain chain of the Andes， and for the most part on the eastern slopes of the second range of the Cordilleras．The trees wbich furnish the hark of commerce grow at varions elevations upon the Andes，scldom al less than 4000 feet above the sea，and，of conrse， at a less temperatnre than that of the tropical plains helow．The active principles of the Pernvian hark are the alkaloids quinia or qui－
nine，and cinchonia or cinchonine．The first nine，and cinchonia or cinchonine．The frat portion，and the most gencrally used．
Through the efforts of the Dutch in Java and English in India，large plantations of cin chona have grown up from trces and seeds hrought from South America．The product of the bark，in quinine and cincboninc，is equal to that obtained from the Boliviau trees．The mountainous regions of Jara and those of India and Ceylon，at elevations varying from 5000 to 74，0 feet abore the sea，are sclected for the cultivation of the cinchona tree．The question is，therefore，now settled of the productireness of the transplanted trees，and of the trade in Peruvian bark being opened in new quarters． We may add，in conclusion，that a request was made of our Government，at the last meeting of the Ameriean Medical Assoeiation，to have the Cinchona tree planted in some part of the United States，in which it might be grown with uccess．Such spots could he found at a cer Huthe Kocky Mountains，fa outh．A moderate in tbe growth of the Cinchona．
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\section*{Hfield and Corden}

OUR best garden vegetables.
Writen for the Farm and Fireside,
BX J. F. WorFinger, MLITON,
Is our age of the world we are hlessed with a great variety of useful garden plants. In proof of this we bave only to name our heets, carrots, cclery, cucuhiers, endive, But the parsuips, peas, rame of these is of hut short duration, wbile others are only occasionally used in our Winter seasons, and theu rather as a rarity or mere change of food, than for any great inhc reut excellencies which they present as a food for man.
But our hest garden vegetables are those that make, in various ways, a very palatable, Wholesome and nutritious food for us the en tire year. And the forrgardae consist of the
do this to the best adrantage do this to the best advantage consist of the
potato, cabhage, heans and tomatues. And potato, cabkage, heans and tomatoes. And
our reasons for this oninion are briefly these, viz: Potatoes supply in a very great measure the place of hread, wbile heans, in their turn, supply the place of meat-our two most essential articles or human ford. The the potato that
dently and confessedly true of it would only he a waste of time for me to adduce any proof of it. And if you need any proof of the beans supplying the place meat, here it is-read it carefully. .Von Thoer the great Germau agriculturist, says :

Leguminous plants contain a large quantity of what Einhoff calls "vegeto auimal. This substance has a very great affinity to an mal matter, and is quite as nutritious as glu-
ten, as it constitutes the predominating ingredient in vegetables, and they are more nourish ing than cereals. It has long becn known that lentils, peas and heans not only satisfy huuger, but are more easy of digestion, and lave a greater tendency to strengthen the luman fraue than other vegetable products. T the healthy lahnrer they supply the place of animal food, and yield that nutriment of which rye and potatoes are incapahle. With us they
are ahsolute necessaries to those who work are ahsolute necessaries to those who work
hard, and especially to sailors; neither landsmen nor sailors are contented unless they can bave a meal of legumes at least twice a week. Both experience and chemical aualysis tend to
prove that legumes are the most nourishing prove that legumes are the most nourishing
part of the vegetahle kingdom."-Ther's Principles of Practical Agriculture, ( \(p .433\) ).
The legumes or pod-bearing plants, as we all know, include heans, peas, leutils, \&c,, but of these the hean is the most productive and valuable fordrying for Winter use, hoth shelled
and in the pod. and in the pod.
So cahbage, both in its fresh and sweet, in its salted and sour form, as Sauer Krout, is
an excellent and very wholesome table food, a good preventive as well as a cure for the disease called scurvy ; and hence cabbage is highly prized as a food among all sailors and others wbo spend their time on the sca. And I am
sure I need say nothiug to convince you of the sure I need say nothiug to convince you of the
value, and nutritiousness and wholesomeness of tomatoes, siuce they are used now with great relish hy every family in our land, both
in their fresh state as they are plucked from in their fresh state as they are plucked from
the viue, and also as they are now stored away and saved in excellent order in air-tight cans for Winter use and until tomatoes grow and ripen for us again.
And for these reasons every man who owns a garden or an out-lot sbould every year raise himself a plentiful supply of potatoes, beans, cabbages and tomatoes for his owu family use
the year round. A moderate supply of all the other garden vegetables already named will also be very useful in their season. And to these, he sbould, by all means, add a pleutiful supply of currants, and a moderate supply of
strawberries, raspberries, blackberries, strawberries, raspberries, blackberries, gooseberries, and cranberries if he can-those rich
and delicious small fruits of our Spring, Summer and Fall seasons that will occupy but little ground, aud amply repay him for all the manure and laher he bestows upon them to make their plants strong, healthy and productive

For currants, hoth in their green and in their Twater. Homc-brewed ale of the best sort may rose-red, ripe state, make a delicious pie, and help. As for spirits, it's too fiery, iu whatever also a very dainty and pleasant dish whcn ripe shape, gets up too much fever, too higlı prcsthe strawberry stands still bigher in the estithe strawberry stancls still bigher in the esti-
mation of many, while the well-ripened raspmation of many, while the well-ripened rasp are very little heliiud our currants and strawherries in point of culimary excellence. Aud so be should not forget raising himself fuli supthese other small fruits are. And now when we consider the refreshing coolncss of the juices of these small fruits and their ricl and delicious flavor of vicely intermixed sweet aud sour, and also their nutriciousuess and great bealth-produciug qualities during our excessively bot and oppressive Summer and Autumnal weather, and also bow easily and cheaply they can he raised, is it not astonish ing that our people will supply themselves so
poorly aud scantily with these luscious and invaluable productious of nature? Surely the man who neglects the culture of these things in his garden and ont-lots acts very unwisely June, 1867.
talk on work, heat and health.
Workers in the fields-strong men and sturdy hoys, toiling heueath a hlazing sun, and cxposed to raiu and chill-let's have a talk totalk, like a set of fidgetty nervous fellows, afraid to stand up square lest some of the inside works give out; hut just a word of practical common uncommon.)
There's a good deal of work to be done in he six months ahead that can't be got round, or pushed aside, unless you like sleriffs aud red flags. If the old farm is to be kept, and to gain in value, this work ahead must be met and done up. For three months we shall have some auful hot days, with hurning sun and sultry air, "muggy," as they used to say sudden, wettiug you to the skin, and will raw winds that check perspiration sooner thau is winds that check perspiration sooner thau is then, in hetwecn these scorchers, to say nothing of fogs and dews. But this work is to he put through, hlow bigh or low, and il's a good plan o stalt and go on in such fashiou as to hol It may be well to "take an account of stock," It may be well to "take an account of sock, muscle, and nerve, aud will-power. Every sensible man knows about what he can do, and and then don't ocer-do. Many a man (and more boys) just wrecks himself ncedlessly in ten minutes, and is uever the man again he wa before. When you feel you are up to your
highest mark, stop; and stop hefore you get highest mark, stop; and stop hefore you get
there, save in rare emergencies. It's well to feel that you have a reserve force, and could let out another link."
Look out for the sun. He's a fiery fellow and sometime when your system may lack positiveness from overwork, bell send a hot shaft right through you. Don't be careless or foolbardy, that's all. The "boys iu blue" all say that the hest soldiers took no useless risks,
and were therefore fresh and right when the sharp work was to he done.
If you have a feeling come over you that the heat is going through, take to the shade without any foolish shame, for the lardiest sometimes falter, and far hetter one hour's care than
mouths or years of weakness from sun-stroke mouths or years of weakiess from sun-strok
-coup de soleil, as the French say. Kcep a firm will, for that has great power over the body, and keep the system in a positive condiand master heat, or cold, or work, by rational care in your hahits: but, when you feel that care in your hahits: but, when you feel that taxed, yield for the moment and recuperate.
Don't drink too much, no matter what it is, bot rather a little, often, and slow, rinsing the mouth well. Be careful about ice-water. Some ginger and sugar or molasses is
sure and zakes the hoiler hurst. We've worked in hay fields when sealing wax would he soft as putty, and stowed away hay under the barn roof where it was hotter than any spot on this earlh, and went through it withou the ardent.
Be ware of getting hot and tired and standiug in a cbill draft of air, especially if it comes on your hack. That heat aud work has lessened your vitality, aud put you in negative condition, so that outer forces control you easier,
perspiration is checked and rad misclief done before you think. Keep your face to the wind wben you stop to rest, for the resistant vital forces emanate from the front more than the rear, and he is a wise as well as a brave mau who faces exposure as well as danger.
Don't holt a hearty meal in hot haste and ush out to your work, but get a little rested, then cat noderately, yet enough, and go to corke often from eating full meals with the sys tem overtaxed and heated, and no vital powe left for digestion. Keep cool ; the more to he done the more need of self-possession, that you may he master of the situation
Don't eat heaps of meat and drink gallous of rank coffee and strong tea with a blind notion that you must have hearty food. Your bread or beans, pound for pound, has more nutriment
than your heef, and the water don't clog up the system like tbis black coffee, or rack tbe nerves like strong tea.
Meat has more stimulus than hread, and share of this is well, hut not in excess. Ea meat, vegetahles, fruits, \&c., and drink moder ately. Keep the system open aud all evacuations easy and natural, and save fevers and congestions. Take less meat in very ho weather. Judge for yourselves, hut keep all firm, and trim, and cool, and open, in the in terual department, and you'll be fit for a good ong pull.
Bathe often, but never chen hot or tired. A ight a hand-hath all over, if not too tired, and in the morning you are fresh, and it is alway safe. It helps greatly through the heated sea-

son.
All this, and much more iu the same way that you will all think of, can be doue, and ing, and, rely on it, will help through all the exposure, make work a welcome task, and land most of you, strong in hody and clear in mind,
hanks.

\section*{plowing in green crops}

The careful farmer, who understands the cience of his business, will not only prepare he soil so as to give it the highcst capacity for bsorbing ammonia and carbonic acid from he air, but he will furmish those indispensable articles of plant food for the use of his grow ing crops, from every available source. A ery effectual metbod of doiug this is the plow ng in of green crops. Growing vegetahles contain a larger proportion of nitrogenized elements than is fouud in them after they have fully matured and ripencd. Tbese, when curned under in the green state, are rapidly conrerted into carbonic acid, water and am monia, and these heiug disengaçed under the earth, are absorbed by the soil, and held subject to the demands of the subsequent crop. The farmer, whose stubble field last Fall, was ovcred with a heavy crop of ragweed, wbich he suffered to ripen and stand exposed to the storms of the Wiuter and Spring, has but a aiut idea of how much bis coru crop of this Summer will lose by his neglecting to turn h:s ragweed under while it was in bloom.
Clover is the crop commonly used for turn ing under, and, if plowed in wben in the vigor of its growth, is probably the best; but almost any thick coat of growing vegetation will serve a good purpose, if deeply turned under. There is an inconvenience, or perhaps two of them, thending the use of clover as a green dressing
will require to be done about the middle of June-a time when tbe corn crop demands all he force usually available on the farm. If the second crop he used it furnishes less green naterial than tbe first, and is dryer, harder nd decomposes more slowly, and furnishes proportionally less ammonia to the soil.
If the farmer, bowever, mauages to spare the labor from the corn ficld to plow iu the June crop of clover, his naked field wust be exposed to the direct rays of the sun without any protection, during the long, bot montbs of Summer. The damages from this exposure will nearly offset the advantages of the green dressing.
From this cause, a Fall crop, if it be hut
veeds, should always he preferred for plowing weeds, should always he preferred for plowing in, whether the ground is to he sow
In plowing in green crops, care should be aken to have the vegetable matter well covercd. Indeed the crop sbould be turned under so deep that if corn be raised on it the folowing year, the vegetable matter will not be disturhed by the cultivator.

\section*{ALSIRE OR SWEDISH CLOVER.}

We desire to call the attention of the farmers nd hee-keepers to this new variety of clover Probably but very few have seen it, and pe haps have not even heard of it. In the Agricultural Report for 1865 we have an account of the origin, etc., of this clover, translated from "Hand Book of Swedish Agriculture." "Alsike Clover (trifolium hybridum) is a pale red perennial species of clover, which mixed with grass, is cultivated with great' advantage on permanent grass land, whether for pasturage or mowing. This species of clover thrives hest on marly clay, wilh a somewhat moist botioun. Alsike clover has obtained its name from the parish of Alsike, in Upland, where it was first discovered, and where it grows in reatest abundance in every field ditch. Beides this, it is found wild with us from Skaue up to Helmsgland, and also in Norway aud Finland, where on fallow land, we have seen it growing luxuriantly. This specics of clover
is censequently native to our country, and proves itself, both here aud iu the border countries, to he a bardy plant, especially adapted to cultivation in our rigorous climate.
Mr. Samuel Waguer of Washington, D. C., ciaims the credit of having first brought to notice in this country the Alsike clover. He has given some accouut of it in the Bee Journal. He says "he has no doupt the Swedish clover when once tested will rapidly win its way to public favor." He also says whether it is cqually satisfied with every kind of soil, or on what kind it will best thrive is not yet ascertaiued there. But this he knows from his own expe-
rience "that on lime slate land, when the abundauce of small stoues still remaining on the surface prevents close mowing, an acre of growng Alsike is worth more for bay than three acres of red clover on similar soil, aud is greatly superior to it in quality as feed for cows." Hon. Isaac Newton, Commissoner of Agriculure, has tested this variety of ciover at the "experimental farm" in Washington, and is fully convinced of its superiority over any other variety in the United States,"

Two reasons are given by Westeru papers or the comparative scarcity of wheat in some sections there, which explains the mystery High prices induced close selling in the fall, is one of them. The other is found in the un-looked-for volume of the wave of immagratiou which las rolled over that region during the last balf-ycar. This was wholly unexpected and consequently unprovided for. A recurrence of this scarcity is not likely soon to occur again.
BY the introduction of the soiling system, Hon. Josiah Quincy increased his crop of hay from 20 tons to over 300 tons. On 100 acres he had not an interior fence. He believed the value of the manure from a cow to be equal to the value of her milk.

Brack Knor. - Tbe cditor of the Practical Entomologist, B. D. Walsb, in investigating the subject of hack knot, has arrived at the conclusion, from his own investigations, and those of others, tbat the fungus which forms the black knot on the plum is entirely different from tbat which infests the
cherry. He adduces ohservations sbowing that tbere are more than one kind of fungus growing on the cherry ; one kind originating on the wild cherry, cherry. He adduces ohservations sbowing that tbere are more than one kind of fungus growing on the cherry; one kind originating on the wild cherry,
and spreading to tbe cultivated cherry, and another kind growing on tbe choke cherry. Therefore, he infers that plum growers need not fear the black knot on their neighbors' cherry trees, and for the same reason cherry growers need not be alarmed at seeing the black knot on their neighbors' plum trees, as the disease only spreads from the plum to the plum, and from the cherry to the cherry.


\section*{Fiveside Iarale \(^{2}\)}

\section*{THE COOPER'S COW TRADE.}

Josephts Allex was a cooper. He had little shop in the outskirts of the rillage, where he shared aud thumped away, early and late. A more honest man nerer lived-or. at least, he was as honest as need he. He owned a re spectable dwelling and a few acres of land, and he kept a pig. and some hens, and a cow;
this hrute property hcing uuder the especial this hrute property hcing uuder the especia
care of Mrs. Allen. It was generally acknowl cdged that nohody's pig was so sleek and fat as Mrs. Allen"s, nobody's eggs were so large or so sure to be fresh, and nobody's hatter was so sweet and so rcllow. "This is Mrs. Josephus Allen's hutter." "Mirs, Allen hrought these eggs in." Let the shop-keeper thus announce,
and the things were bought immediately. And Josephus himself occupied a place eqnal 1 y firm in the confidence of his fellors. His word was a
One Spring Josephus met with a sad misfor tune. His cow broke the floor of the barn and broke her leg-hroke it so badly that mending was out of the question. What shonld he do for auother cow
- Fon must go and huy one," said his wife. - But cows must he high this season.
- Nerer mind, a com we must hare. ought to get a good one for fifteen dollars-a good milch cow
"Ah-hnt the fifteen doliars, Mrs, Allen." "I can let you have ten of it-ten dollars eggs."
Thus furnished with the "sinews of trade," Josephus started forth in search of a cow, and after tramping a whoie day without finding What he sought, he finally brought up at Mr. John Potman's. He had seen many just such cows as he wanted, hut they were not to be hought. He had thus far aroided Mr. Pot-
man because he had no very good opinion of that indiriduai's honesty. In fact, he knew that John Potman cheated when he could. But he concluded to take a look at Potman's stock, trusting that ne knery enough ahout coms to take care of himself.
John Potman was a farmer, and did considerable husiness in huying and selling cattle, and he also laaued money to needy men at exorbitant rates of interest. He tooz no mort-
gages for securitr. When he loaned moner, he wanted a right out hill of sale of some good property, and thus did much stock, in horses, oxen and cows, fall into his hands. It was in the morning when Josephus called upon Mrr. Potman: ard wheu he had made known his want, he was informed that he had come jnst in the " nick of time

Ire got just the animal you want," said the stock trader; "a fine, large com, healthy and strong: kind and gentle; an easy milker; mith a calf three reeks old. I took her only a fers weeks ago for a deht; come and look at her. \({ }^{-}\)
Josephus fullowed Mr. Potman to the harn Where the cow was pointed cut. She appeared to be all that had heen represented. She had a large, good frame; was of a light red color, aud was in respectahle flesh. The ndder was ample, and when Josephus tried the teats he found that they sielded the militi freely.
"How much milk does she gire?" asked Josephus
"I L havent had a cinance to find ont exactly, replied Potman. "I'se only had her a ferl days, and the calf has run with her all this time; bnt the man I got her of told me she mouid give, on an arerage, trwelre quarts at milking in the height or ieed. If I had not
already more stock than I can feed, I would already more stock than I can feed, I would
not sell her at ans price. Just look at that calf. Isn'tit a beauty?"
Josephns was iuclined to the opinion that this ras the com he wanted.
"She cannot be rery oll," he said, looking at the rings on her horns, where the growth of each year is markech
plied Potman, "and I should not much Younger. I guess she is eight.
Josephus walked ronnd the cor times, and finally asked her price.
"I ought to hare twenty dollars, Mr. Allen She's morth it-every cent.
Josephus shook his head. He could not pay so much moner. Then followed a long dicussion upon the ralue of such an animal; and finally Potman grew geverous. He let the cow go for fifteen dollars, though rith seem ingly painful reluctance. Josephus paid the moner, and drove the cow home. He did no want the calf, so that rery night he sold it to a neighhor, who wanted it to mate one that he already owned.
On the following morniug the corr was milked and turned into the pasture. The quantity of milk giren on this morning was remarkably small, but theu it was not to he
rondered at. The cow probably missed her rondered at. The cow probably missed he
calf, and had eaten nothing. At night, how ever, after cropping the tender grass all day she wou
Daring that afternoon Amos Bean dropped n at the cooper's shop. Amos was a neighho and a rery warm friend. Hc was a farmer in a small war, sometimes working at housepurchased a cow of John Putman.

I don't understand," said Amos. "Pot man is huring good cows. I heard hiu say only two dars ago, that he wanted four good
milkers for his dairy. What did yon pay

\section*{"Fifteen dollars."}

Cheap enough, at this season, for a good

\section*{Howerer, it may he all right.}

In the erening the cow came home from the pasture with ahout as lank an ndder as she quart of milk could he ohtained from her Mrs. Allen was horror-stricken, whilc Josephus stood ą̧hast
That could it mean? The pasture was one of the hest in the country, and the grass was green and tender.
Just then Amns came along again. He had feared something wrong from the first. He in stituted a thorough examination, and pretty soon an exclamation of astonishment signified that he had found the "mice."
"Look here:" ssid he, pulling open the cow's month.
Josephns looked and found that the animal was almost toothless! The front teeth were all gone
" But," he gasped," " it can't be her age. Her tras don't slow it."
:Don't they?" echoed Amos, "Look a ht le cioser. The upper rings bare heen scraped down, and the surface colored: The cat is
ont. The cow has heen a good milker; hut she's got hravely orer it now. She must he along towards twenty years old ; and I guess that for some years she has heen fed on swill." Josephus was quite heside himself with pain and mortification.
": By the jumping Jonathan!" he swore "I will go hack to John Potman directly. In make him take the cow and return my
moner, and I'll tell him just what I think of mone
him."
"D
"Don't do any such, thing," said Amos. "Potmau would only laugh at you. It was what he would call a fair trade; and if you got cheated he would say it was your own
fault. I know him well. If there's any way in which we can come up with the old rascal Cll study it out. Just keep quiet until to-mor row, and let me think the matter orer. Don say a word to anyhody."
Josephus promised that he would ohey the instrnctions of lis friend, and Amos then went
The noor cooper did not sleep a wink all that night. The loss of money was something to one in his situation; hat that was as nothng compared with the ontrage which he felt had heen put upon him. His wife, too, wor-
loss; and she also supposed that her hnshand wonld he well laughed at for allowing himself to be cheated.
On the following morning Amus Bear came and announced that he had thought of a plan y which 3Ir. Potman could he corrected.
"I owe the old skinflint a punisiment," aid he, "and if you will trust your cow in my hands, I think Ill pay him off for hoth you and myself. In the mean time you may take one of my cows and use her until we can pake arrangemeuts for getting another oue." Josephus did not stop to ask many questions. He allowed Amos to take the antiquated animal helonging to his friend
helonging to his friend.
Amos Bean put the
Amos Bean put the old cow into a close stall where she conld not he seen hy the passers-hy, and one of his first manipulatire operations was to saw off the tips of her horns, and darken what was left with a misture of potash, after which he ruhhed them down with a little French polish. A hottle of dyestuff, carefull applied, changed the cor's color from a light red to a heautiful hrindie.
One afternoon Bean saw John Potman in the store, and he went in and purchased a piect of tohacco. After passing the time of day with the skinflint, he started to go ont, turning as though he had forgoten something.
"Ah-look here, S:anler," said he, addressing the storekeeper, "if Seth Folsom comes in here, 1 wish sou'd tell him he can see that cow this erening. I're got one that will suit im exactly." And with this Amos left the tore. He had gone hut a few steps, howerer, hen he heard his name prunounced.
'Mr. Bean. Ah-stop a moment. You olke o? a com
It was John Potman. Amos had expected his, for he knew that the old rascal still wanted o or three good milkers.
"Tes, sir," said Bean.
"What hare you got?"
A cow that has heen left with me hy a
"What is she?"
Come and see yourself."
Where is she?"
She will he in my yard at sundown this reniug.
ILll come and look at her."
That erening when Amos drove his cattle up from the pasture, he turned the old cow out into the yard with them. A handsomer hrindle, in the fading darlight, Was nerer seen; her so full that the mill ran out at the teats in streams. In a little while Mr. Potman came. He looked at the cow and was farorahly impressed. He looked at the distended udder, and nodded with satisfaction.
"How old is she ?" he asked.
"I think she is eight this Spring," replied amos.

That is the price?"
Trenty-fire dollars.
"It is too much."
"Very well-I didn't ask you to huy."
'But-I should like just such a cor, if I conld get her at a fair price. Let's have a look at her month."
Potman made sereral attempts to look into her mouth, hnt was forced to give it up as a bad joh.
"I guess you'll find it all right," said Amos, as he drew up a stool and commenced to milk the aged animal.
Mr. Potman stood hÿ and sam the com milked. He sam a large wooden pail filled to he hrim, and then a small tin pail filled hesides. It was the largest quantity of milk h had erer seen from one corr at one miiking.
'Does she nsnally gire as much as that?
"I don't think I ever milked less from her at an erening's milking:" replied Amos, as he rose and knicked the stool back.
'Bnt twenty-fire dollars is rather high, Mrr. "TI

Trell-what of it? Tou ain't got to pay
for her. I can't think Seth Folsom will grumhle chase money of the cow was almost a dead take him for." If he does, he isn't the man I

Amos had turned to go into the house, whe Potman called him hack.
"Is twentr-fire dollars the least you'll take for that cow :
"Yes, sir!"
"And can I hare her for that?"
"I said so."
"Then she is mine. .
And John Potman gave Bean twenty-five dollars, and drove home the cow. After tea, Amos trent to the village and gare Josephu the money he had ohtained for the cow.
"But," said the cooper, opening his eyes with wonder, "I can't take all this.
"It's all yonrs," returned Amos. ": It's just what Potman paid me for the cow: I told him was selling it for a friend.
By nine oclock the story had leaked out in Stanly's store; and before the villagers had separated for the night, it had heen pretty generally circulated. It was as good as a holiday for the people knew Potman's deceitful, nig gardly character, and it was refreshing to know that for once he had been forced to put on the tight hoot.
The following day was a rainy one, and at night, when Mr. Potman's cows came in from pasture he fancied that his nerr parchase had changed color most marrelously. She wa drabhled all orer, as thongh soused in a rat of and Has was lank as a dish cloth, with hardly milk enough in it to pay for the milking. With an oath, and a rigorous assault, Potman managed to see just enougl into the cow's mouth to satisfy, him that the front teeth were all gone: He examined the horns and found that they had heen fised!

It's the old cow!"
dare not write the opening remarks of John Po man ou that occasion. They were amfull terrihly, frightfully profane.
A fer days afterwards, Potman met Amos Bean in the street.

Bean," said be, trying to smile as he spoke, tell me one thing - I know that well! But, her color, hut I don't know how you managed to get that enormous hag of milk into her that night ; will you tell me?
"Certainl5," replied Amos. "It was all rery simple. Sheid been fed on barley pudding and oatmeal gruel, and hadn't been milked for days.
On his war home John Potman ruhhed his ear as though somthing had hitten it.

The Lion in his Old Age. - When a young ion reaches the age of two years, he is ahl to pull down a horse or ox; and so he continues to grow and increase in strength till he reaches his eighth year. Then his talons, teeth, and mane are perfect, and he grows no more. For twenty years after he arrives at maturity, his talons and fangs shor no signs of decay; but after that he grows feehle his teeth fail him, and he grows "cuhhish. He is no longer a match for the tremendous huffalo; he prowls around the cattle kraals, and snatches a lamh or kid just as he did when he set ont with his parents nearly thirty years hefore. A roman or child might share the same fate. His strength and sight nort decline more and more, till the might and mangy, and crawls ahont from place to place, eating any offal he can pick up, and despising not eren so small an animal as the field mouse; and he starres and dies, or is fallen on and slaughtered hy a few comardy hyenas, or is discorercd unahle to more he neath a tree, and knocked on the head by some wandering Jew.-South African Paper
A Good sort of a man in Maine was recently asked to subscrihe for a chaudelier for the
church. "Now"-said he-" what's the use church. "Now"一said he-" What's the use get any one to play on it."
"Lhimlord," said a seedy pedagogue, some what given to strong lihations, "I mould like qnantnm of spirits, a modicum of molasses largely in spirits, thou man of mixtures."

The Search afrer Dr. Lividgstoxe. - The British Gorernment propose to send out a search party to ascertain the fate of Dr. Livingstone. It wil he a small one, consisting only of four Englishmen, including the leader, Mr. E. D. Foung, of Zambesi reputation, and all will he men already acclimathe disaster is said to hare occurred. There ascertaining the truth or falsehood of the death of the great trareller, ther will he back again at the month of the Zamhesi hy the month of Noremher. Thns, at little risk and small cost, the painfol suspense at which the pnhilic mind is now held on this suhject will he reliered, and we shall know whether Liriggstone was killed, or has passed onward to Cazamhe and thc Lake Tanganyika.

Frye frimesine 㨡use．

\section*{HAY－MAKER＇S SONG．}

Come on to the scented clorer fields，
At early dawn awas ：
At early dawn awas：
To the clorer fields away；
The sun ls palntling now the hills
Thie sun is palnting now the hit
With lts genlal golden ray，
And the muslc of the
1 s calling thee awny．
Come on to the seented c
At early dawn of day ；
The earth her gencrous bo
To the ciover fields away
Thc merry blrd，an hour agon
in the noddlng cherry tree，
Ind tomehed the notes of her gushing song，－ That restle 83 melody． That vistt the early flower， IIare gathered many a nectar drop
From the chinlog dery bower．

Tben on to th early dawn of day＇； The earth her gene rous boint．
To the clover fields away．
There＇s wealth wlibln the slinewy arm
That drives the rincing seent That drives the ringing steel， That Idlers never feel，
As sloglng to his cheerful task，
He hiles at esrly duy， He hles at esrly duy，
tnd tolling through the
He makes the scented bar．

> Then on to the scented cic At enall dawn of day;

The earth her generous b
When the sun is up in the clondless sky， And the Weet wind gently hiows，
Tis then the sturdy husbandman Tis then the surdy husb You can mark his footprints in Away o＇er the dotted mead，
you can hcar the ring of hls shlin As he slackens hls wonted speed． Then on to the scented The earth her generous hounty glelds， To the clover fiedds away．

> And frowns o＇er the smliting plain， And the bollow volce nf the distant rills， Betokens the drizzling raln，
Not then o er the thirsty mcado Not then o er the thirsty meadow－la
You may hle at the dawn of day； When the sty 18 fair and the
＇Tis ilme to make the hay．

Then on the seented clo
At carly dawn of day；
Tn the clover fields awas

\section*{}

\section*{OUR BOOK TABLE．}

Bleak House，By Charles Dickens．T．B． Peterson \＆Brothers，Philadelphia．
This is the fifth volume of the＂Green Cloth Edition＂of the great novelist＇s works．It has 37 original illustratious by H．K．Browne，and the mechanical execution is good．Cheap at \(\$ 1.25\) ．

Tife Posthinots Papers of the Pickifiok Cuub．By Chatles Dickens．T．B．Peterson \＆Brothers，Philadelphia．
This is the commencement of an entire new edition of Dickers，to be be calied＂The People＇s Eltition．＂Eaelh volume will be printed on fue paper，with large，clear type，and with Cruikshank＇s original illustrations－making handsome volumes of nearly one thousand pages．This issue is the posthumous records of the＂Piekwick Club，＂in which the imnor－ tal Sam．Weller，Job Trotter，Bobl Sawyer and Mr．Pickrick figure conspicuously．Mr． Dickens＇s first laurels as a novelist，were gather－ ed from this work－some twenty years ago． We are glad to learn that the Messrs．Peter－ son are determined to make this edition oue of great popularity in style，eheapness and dura－ bility．The whole series will be completed in twelve volumes，at \(\$ 1.50\) each．

Much needed Book．－Hon．Lewis F．Allen， of Black Rock，N．Y．，has nearly ready for the press a volume on＂American Cattle．＂It
will give an account of the most valued breeds in this country；also of popular breeds in Europe．A book of this character is greatly needed and should have a large sale．The author is a practical man，a writer of ability， and well known as the editor of the＂\(A\) meri－ and rell known as the editor
can Short－horn Herd Book．＂

\section*{AGRICULTURAL ITEMS．}

Orenaleds grown from root grafts are sliort lised，and never can be profitable．Plant only stock－grafted trees．
Azaleas．－The Horticulturist says these plants bloom much better if planted out of doors in the full sum，than if keat in shade du－ ring the Smmuer，as they often are．
28，55t aeres of public lands were disposed of during the month of May．
A Chicago paper says that the estimate of from fifteen to twenty millions pounds as the yield of the Northwestern wool erop is exces－ sive．The elip，is lighter on the same number of sheep ：ihau last year．
Schatcies in horses．－Ashes of eorn cous mixed with lard，and applied to the affected part，is said to be a cure．
The potato bug is destroying the growing potato crop in some parts of Iowa and in Rock－ river region of Illinois．The pestiferous insects swarm over the potato fields like locusts，and literally destroy the plants．
Cows sometimes get a surfeit of grass，es pecially in wet，warm weather，when the grass is succulent and rich．This feed distends the bowels uncomfortably．An armful of clry hay once a day will serve to absorb some of this moisture，wud benefit the cow in several espects．
Au Illinois farmer sold his entire crop of strawberries off forty acres of land，delivered to parties in Chicago，the other day，for \(\$ 50,000\) ．
The Ohio wool growers are making up their minds to a decliue in prices this season in con sequence of a large clip，the heaty decline in all elasses of manufactured goods and the gen eral caution iu busiuess．

Yike warkets．
WOONSOCKET RETAIL MARKET．
or the week ending Junc 29，I86．
Farm proncots，yof，s．


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Cheese
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\section*{BRIGHTON CATTLE MARKET}







WEEELY REVIEW OF THE NEW YORK WHOLESALE MARKET


\(\qquad\)








Rhode Islanis Bocietr fint tue Excorizag－－
 Society was field at Providence，on the 19 h

The Standing sub－Committee on the Fille Arts asked for an appropriatiou of one thou－ sand dollars to enable them to carry out their part of the proposed Industrial Exhibition of the Society in that city，in September next， which was asseuted to by the Board．
The Executive Committee，having charge of Exhibition，reported that they lad ar－ for a reduction of freight on stock for the cat－ the show，and on passengers＇fares，which will soon be published in the Promium List now nearly ready for publication．The premiums offered will exceed \(\$ 10,000\) ．

Infleence of Timber on Freit．－Proofs are accumulating as to the beneficial iutluence of forest trees in the preservation of the more ern and Western Winters．We have noted this requently in years gove by－a fact corrobo－ rated by an Illinoisan iu a letter of recent date o the＂Institute Farmers＂Club，＂He writes rom the Southern section of the State，and says：－＂Here，on the edge of the timber belt， peaches have not fuiled for nine years．＂On the open prairies they are killed almost annually －the present year proving no exception．

\section*{Harriages．}




 Nomel



\section*{lleaths．}
 1n Proridence，June 24th，of apoplexy，Dr．Samuel Boy
Tokey，aged 62 Yrs．
in Mendon，June 15th， In Mendon，June 15th，Cbas．E．Brown，ared 31 ycars．
In East Medway，June 13th，Ellzabeth Blake，aged 92 ye In Mullury，June e 23d，oliver Rice，nged 73 years；on the
same day，rhanlei euting，nged 62 yearg． In Thompson，CL．，June 6，Federal C．Sprague，aged 76 gra

Special fatices．
NOTHER BaILEY－S qUIETING SYRUP FOR CHiL
DREN．－Allays all Paln，Cures Wind collc，Convulsons，Grlp log，\＆c．Large Botles onl5 25 cents．Sold by Draggists．
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GEO．e．GOODWIN \＆CO．，Bo

Nuertisements
Pennsylvania．
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\section*{TURNIP SEED！}

NEW CROP OF JULY Ist，18G\％．

SElected stock and warranted．

\section*{IMPORTED SEED，OF BEST QUALITY，}

END For price list crutis

ROBERT DOW．
June 29， 1857.

 One，or more pounds，TO FARETMERS，mall，
polind．Fur sale at the Sed Sore of recelpt of ts cen
June \(15 \mathrm{th}-1 \mathrm{~m}\)
No． 133 Market Streen Pbilladelph
\(\mathrm{T}_{\text {phe lambiley katting Macinine．}}\)


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Hew 直ark．

\section*{B L 工 工 S ！}


Bhode Island
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\hline new evelind agricultral societf． IN CONNEOTION WITII TIE \\
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Rhode Island Saciety for the Encourage－ ment of Domestic Industry， \\
ON THE GPOUNDG OF THE
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100 Horse Forks，all good kinde

500 dor．Hand Rakes of tarious Eluds．
too＂／Scythes，from the beet makers．200 Rerolving Forks，Batchelier \(\$\) Sons＇make．
Tools and Seeds．Send and In yont cinds of frimt class Farming early and thes that

\section*{Farming 蛹iscellany.}

\section*{CULTIVATION OF THE STRAWBERRY}

The discoveries of scientific and practical men in the past few years have excited a large amount of attention from that class of our far mers whose labor is giveu principally to the cultivation of smaller fruits. Among the mos saleable of these, paying probably the largest percentage to the grower, is the Strawberry. Fire huadred dollars from an aere in grain or grass would be deemed an impossibility, but that amount from an acre of Strawberry plants is frequeutly realized. The fear that an overstocked market wonld place their price below remuneratiou, has proved groundless, for it has been found an impossibility to oresstock the market. Jany of our farmers contemplate this use of their ground for coming years, and to them we wonld say aloays set out the best piants, cven if their cost is considerabiy above the average, for this will be found the truest economy in the end. Light, loamy soils with clay subsoils are best for this purpose, and fair amount of exposure to the snn is also of value. Perlhaps there is no plant so sensitive to the touch of proper fertilizers than this one, and too much attention canaot easily be given to this fact. The land shonld be placed in the most cultivated order before setting ont the plants, which shonld be kept out of the sun and in a moist condition until they are transplanted. If the season is dry and hot, it will he necessary for a short time to water and shade them throngl the day, always taking care to uncover them at night, so they may receive the invigorating effect of the dew.
Strawberries are best grown in bells four feet wide. This secures convenience in gathering and allows opportunity for cultivation. Three rows shonld be pnt iu a bed and the plants in each row placed twelve incles apart. If the mles to which we have allnded are observed the transplauting may be done in any month from March to November, although the Summer months are preferable. The fewcst runners are made by those set in Jnne and as more or less of these are desired, farmers will either use or avoid this month in their work. Au acre of these plants can be set by an cxperienced mau in a day and will number about 10,000 . It is of great importance to keep them free from wceds in the Summer. A neglect of a ferw wceks iu this matter will often make it impossible to make it worth while to preserve the beds, and yet a small amount of attentiou and labor will prevent their ascendency. Mulching in Winter is never neglected by the successful grower. Corn stalls will answer a tolerable purpose, but rye straw is prefered above all other artieles. The corering should be done in Norember, and removed as soon as the freezing weather is over and before the plauts have made any grovth. The covering that is taken ofi need only be placed between the rows where it will serve to keep the grouud moist and thus facilitate an early growth, besides keeping the weeds cown and the fruit clcau. No gocd fruit however can be raised in large quantities without the use of suitable fertilizers. Common barn yard mannre is good, but its constitucnts arc too cumbrons to be of grcat value. One cord of this ( 3,000 pounds,) contains 2,556 pounds of water and 138 of sand, 332 of carbonaceons matter, which are of no more valne than so mncl peat straw or chaff. There are but 74 pounds of active fertilizing material, sucl as nitrogen, potash, socla, lime, magresia, phospluoric and sulphuric acid, chlorine, iron and alum. It would startle some of our farmers to learn that the market value of these 74 pounds is only \(\$ 3.00\), yct such is the fact aud proves conclusively that bara-yard manure, howercr raluable for other purposes, is but of little use in this. The best and cheapcst fertilizer for this fruit, in the jndgment of those growers who have tested all kinds most thoroughly, is Baugh's Rav Bone Plosphatc of Lime. The result produced by this is trnly astonishing. The testimony to its value is the fullest aud most satisfactory character
It can be applied to the bed at any time, dn ring the Spring, Summer, or Fall montlus, but
some of the most snccessful growers have given a preference to the period following th
ing season.- "West Jersey Pioneer."

\section*{STORIX SIGNAL IH HARVEST TINE}

The following plan, to aid in preventing injury to grain and lay crops from storms during harvest, is offered for the consideration of tar ners, the press, and the public generally
When a storm commences in any part of the country, and is travelling in a certain direction the first telegraph station over which it passes is to send the news immediately to all the telegraph stations at county seats, hundreds of miles in advance, in the direction that the storm is travclling.
At each county seat a cannon is to be kept ready by the officials at the court-honse, and a soon as the news is received of a enming storn it is to be fired three times-at intervals of one minute if a hurricane is approaching; at inter vals of tliree minutes if the storm is travelling rapidly; and at intervals of six minutes if it it travelling slowly.
As a good-sized cannon can be heard dis tinctly from fifteeu to twenty miles in all direc tions, or over a space of from thirty to forty miles square, by fixing one at each connty seat the farmers over the whole country, for linndreds of miles, would be warned in time to get their grain or hay nnder cover, or in a situation to shut ońt the rain.
The storm which commenced in North Caro lina on Saturday, June 1, and travelled Nortl abont twenty miles per hour, sweeping ovel several States, perlhaps as far as New York, it thad occurred in the midst of harvest, with he grain or hay cut dowu in large quantities, he damage would have been very great, amount ng to millions of dollars, all of which could be saved at a trifing cost by the general adoption of this simple plan.
All newspapers in favor of this plan will please pnblish it, and every farmer should examine it carefully, and if approved of, he should write to the county clerk or other conny official of his county in its favor. A suffic ient nnmber of such endorsements will seeure \(s\) adoption in time for the coming harvest.
Washington, D, C \(\qquad\) A. Watson.

Immigration a Solroe of Wealti.-A contemporary jonrnal takes this view of the immense number of immigrants now coming to his conntry from Europe. All political eeonomists must view it in the same light : "The cost of prodncing a human adnlt is estimated, at the least, at \(\$ 1000\), and to the extent that other conntries rear human beings and give them, ree of charge, to other nations that have employment for their services, is the latter enriched at the expense of the former, precisely as if blooded stock had been reared, or improved machincry had been constrncted and sent over to us for nse, free of cxpense. Immigration is undoubtedly a sonrce of wealth."

Don't Neglect the Garden.-A contem porary says: "It pays in every way; the veget able department in a sanitary view, by furnishing the kind of vegetable acid the system nceds at this season of the year. The flower-garden, by its refining influence upon all about the homestead. Provide a good supply of free blooming annuals as well as a substantial stock of hardy perennials.

Inorrage your Winter Fodder.-Now is he time to sow corn in drills, or broadcast, if you intend to have exira feed for your cattle. Even if you have an abundance of hay, corn foduer is good for all kinds of stock, cither fed ont green in Angnst or September, or cured and put away for Winter use.

Locusts are im myriads in Kansas this year. To protect his wheat a farmer has a locust trap which he finds effectual. He seatters hay around his wheat fields. The locnsts gather in it at night, and he sets fire to it early in the morning, and thus saves his wheat.

Fhade Island

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\section*{Pennsyltania}
\(\mathrm{E}^{\text {conont-ProalfTNESS-RELIABLITTY1 }}\)
Ambrean concretrb pant axd roofing coaspany


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\(\mathrm{B}^{\text {AROMETERS! }}\) BAROMETERS!
timby's patent portable barometers,

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\(\mathrm{E}^{\text {ARMER'S }}\) GRINnSTONES,
Ready for use, with self-adjustling Sbafts, Treddles, \&c. Hurou Grindstones, Scythe Stones, de., for sale by
J. E. MITCHELL, 310 York Avenue, April 27, 1867 . Diseases in the AMERICAN STAB
FARM-YA RA.
By Robr. Moceure, v. s.



Hassachusetts.



\section*{The indelible peneil eo}
manufacturers of the improted patent indelible pencil

\section*{horticultural pencil,}

\section*{For writing on wood. Invaluahle for making durable} and Garden tags or Labits, or marking toole, sc.
PRIeES: Horticultural, single, 75 cents; two for \(\$ 1.00\); per
doz. \(\$ \overline{3} .00\). elothing Pencil, single, 50 cents; three for \(\$ 1.00\); pr
a liberal discuunt made to dealers.

kingsley's wonderful hair reviver
OHANGEs qray Harp. Promotes 1 lts growth. Prevents it
faling. Keeps it moist. Be sure and try it.
From Proprletor of Payson's Indelible 1nk,-"Your Revirer
giresthe Hair an appearance of renewed youth, and leaves it



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leks, Seab, Vermin and fo
should he nsed hy all Farmers on

Ters This pure preparatlon has been successfully used for it will not injure the most delicate animal.
It will not in jure the most delicate animal.
It will improve the Quality and Quantity of Wool. \(1 t\) bills TICKS on Sbeep.
It cures SCAB on Shcep.
It cures all SKIN DISEASES on Animals.
It kills all VERMIN that infest Animals, Trees, Plants and Vines.

Wor FOOT-KOT' it is a sure eure, used as a pouttie.
ONE POUND of this Extract will make TWELVE GALLONS of Wash, and eontains the strength
POUNDS of TOBACCO, as prepared hy farmers.
Sold hy all Druggists and eountry and Agricultural Stores.
JAMES F. LEVIN,
For sale hy Keninill \& Whitwey, Portland,
Harlow, Bangor, Me.; Simō̃ps à Co., Fitzwilliam, N. H
March 9, 1866.

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TERIIS OF ADVERTISING.
A limited number of adrertisements will he puligh ed in the Farmand Fineside. Price, fifteen cents a line each Inser-
tion. Advertisements are set np in a uniform style. The journal has won its way to appreclation witiform remarkazie. The jour

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