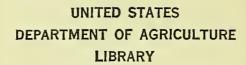
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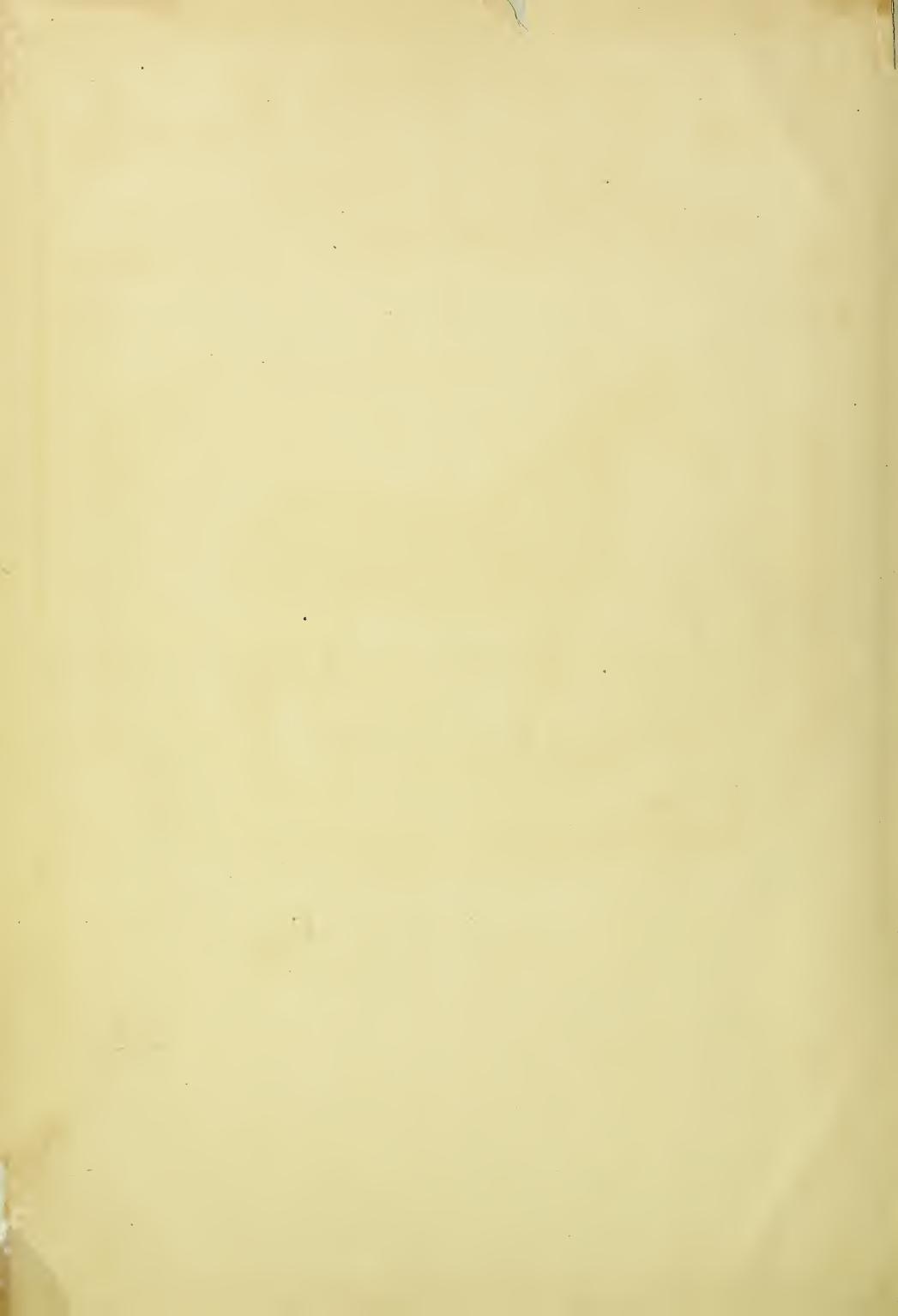
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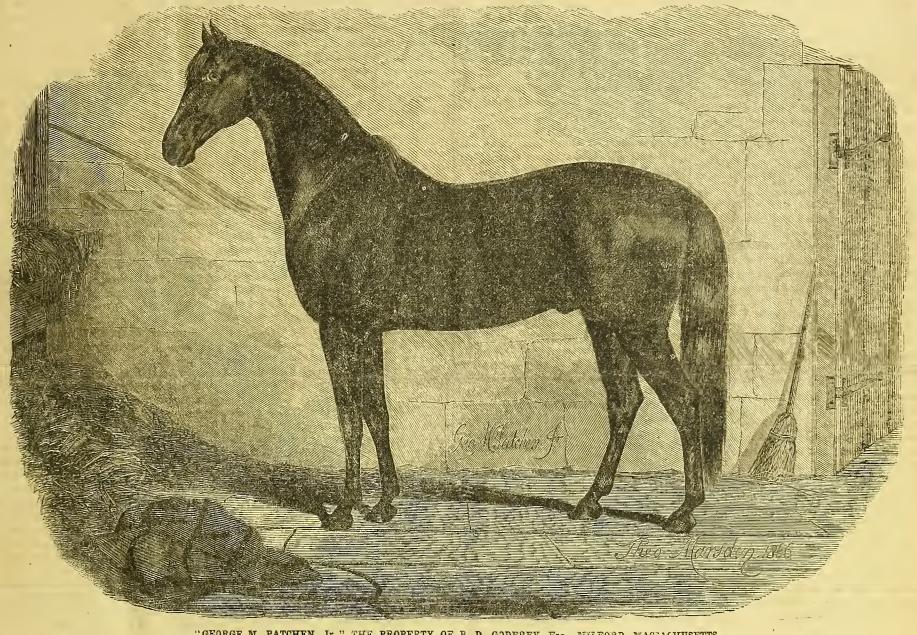


ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867. BY S. S. FOSS. IN THE CLEEK'S OFFICE OF THE DISTRICT COURT FOR RHODE ISLAND

VOL. 1.

# WOONSOCKET, R. I., SATURDAY, JANUARY 12, 1867.

NO. 1.



"GEORGE M. PATCHEN, Jr.," THE PROPERTY OF B. D. GODFREY, Esq., MILFORD, MASSACHUSETTS,

DRAWN FROM LIFE BY THEO, MARSDEN, AND ENGRAVED FOR "THE FARM AND FIRESIDE,"

It is a gratification 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 jonr- hair remarkably fine. His height is a little stallion, John Richards, the favorite horse of persons of all classes than in any other, and nal, this fine and life-like engraving of Mr. over sixteen hands, and his present weight 1252 the South, which was to have run against where the desire and ability both to keep and Godfrey's celebrated thorough-bred horse, lbs. He is emphatically an "honest horse," Eclipse in place of Sir Henry, and would have breed horses of a high grade is daily gaining "George M. Patchen, Jr." This horse was being perfectly kind, of uniform disposition, raised by T. N. Black, of Bordentown, N. J., gentle in harness, and easy under the saddle. foot in training at Bristol, Pa. John Richards farmers the desire to raise valuable stock is, at and sold by him, when coming three years old, He has never been trained for the track; but was sired by Sir Archy, one of the most re- least, increasing proportionally to the increase to Mr. John Buckley, of Bordentown, the orig- we are probably safe in saying that his speed nowned horses ever bred in America. inal owner of the old "George M. Patenen," is unsurpassed by any untrained horse in the Those of our readers who have seen "Paten- advancing every day, not in consequence of any and the famous trainer of the celebrated United States. He has trotted his mile, to Lev, Jr., will agree with us when we say that casual or temporary caprice, but is attributable "Eclipse," in his renowned race with "Sir wagon, in private, in 2.32; and one-fourth of Mr. Marson, the artist, has given us a faith- to the growing perception of the fact, among Henry," in 1823. In 1860, Mr. Bnekley sold a mile in 35 seconds. "George M. Patchen, Jr." to B. D. God- George M. Patchen, Jr. is a direct descend-FREY, Esq., of Milford, Mass., his present own-fant from the best blooded stock of England er, who bought him for a stock horse, with the and America; he was sired by the celebrated sole view of improving the breed of horses in trotting stallion, George M. Patchen; George New England, by making a cross with the M. Patchen was sired by Cassius M. Clay; he Morgan and Black Hawk stock. This experi-by Henry Clay, out of the dam of the celebratment has been eminently successful; and some ed John Anderson; Henry Clay by Andrew of Patchen's colts have been sold at high Jackson, out of the trotting mare Surrey; Andprices. Last year, Mr. Godfrey sold a pair of rew Jackson by Young Bashaw, who was by four years old colts for \$1,500; and he has a imported Grand Bashaw; the dam of Andrew pair now, three years old, which trot inside of Jackson was by the well-bred horse, Why-not, three minutes. For one of these, "Tommy and Why-not by Old Messenger; the grandam self an ass. In no country in the world, per-stances, these conditions are only compatible Patchen," Mr. Godfrey has refused an offer of of Andrew Jackson was also by Old Messen-haps, is such an argument less needed than in with the highest form and highest physical \$2,000.

"George M. Parchen, Jr.," is now ten ished by a son of the celebrated running horse, i horses for the purposes of pleasure as well as years old. His color is a dark mahogany, the Sir Henry: his grandam by the thorough-bred of ntility is more largely disseminated among done so, but from an accident in entting his ground, both in town and country. Among

> ful representation in the above picture. It was all horse-keepers, that it is not only as cheap, drawn from life, and engraved under Mr. Mars- if one keeps a horse at all, to keep a good as den's personal superintendence. As a work of to keep a bad one, but in reality much cheaper. art, it is worthy of preservation.

> anthorities on the horse, speaks as follows on ness of working; power to move or carry

the nineteenth century, to show that the horse crease of pace; to come again to work day stock of any country is a material item in the after day, week after week, and year after year, account of the national wealth, strength and with undiminished vigor. And it is scarcely greatness, would be to admit the arguer him- needful to say that, under all ordinary circumger. The dam of Geo. M. Patchen, Jr. was our own, where, certainly, the keeping of health of the animal."

of the profit to be derived from them, which is

Now, as to what constitutes value or excel-.William Henry Herbert, one of our best lence in all horses. It is, indisputably, quickthe value of this noblest of domestic animals: weight, and ability to endure for a length of "To enter into an argument at this day of time; to travel for a distance with the least de-



REMEMBER—That scrimping the feed of fattening hogs is a waste of grain.

That over-fed fowls won't lay eggs.

That educating children is money lent a hundred per cent. That one evening spent at home in study, is more profitable than ten in lounging about country taverns.

That cows should always be milked regularly and clean.

REMEMBER—It is worth while for all farmers everywhere, to remember that thorough culture is better than three mortgages on their farm.

That an offensive war against weeds is five times less expensive than a defensive one.

That hay is a great deal cheaper made in the summer than purchased in the winter.







## The Field.

## BENEFIT OF ROTATION OF CROPS.

Written for the Farm and Fireside, BY WM. H. WHITE, SOUTH WINDSOR, CONN.

It is found in experieuce, where the same soil is continually cropped with one kind of crop, that in time it fails to give a return at all commensurate with the expense of production; and also that variation, or rotation of different crops on the same land, give more satisfactory returns. In our system of culture heretofore pursued, it was found that much land would grow good crops of grain only once in two or three years without manuring; it then became necessary to let the land rest, or work it by only plowing, etc.; that is, adopting a system of fallow, exposing the soil to the action of the atmosphere, that it might absord therefrom water and gases to assist in the natural decomposition, and rendering available as plant-food the accumulations in, and pulverizing, the soil. Why this failure to produce a crop regularly? In order to the right understanding the why and wherefore, it is essential that we understand the constitution and requirements of plants, their means of taking up their food, and the offices the soil performs in relation thereto. All plants are composed of certain elements which they extract, principally from the soil, and take into their structure. The office of the soil is to hold and yield these elements, or prepare them as food for plants .-Some plants require a certain amount of one kind, and another an amount of a different element. These elements must be furnished by the decomposition of compounds which are found in the soil. Now, if the soil become deficient in any one element, it is very evident that it cannot supply that element to any plant demanding that one in particular; and thus we cannot grow that plant; not because the soil is worn out, hut merely deficient in this element. If we take plants of a different class, demanding an excess of a different element, we find that such plants will thrive and produce ahundantly. The reason, then, why one kind of plant fails in a soil in which it has been grown successively is, that it has drawn from the soil all the excess of the most important element entering into its composition. These elements may he restored hy adding manure, but the quantity must be considerable. Wo find that this amount can he greatly economised hy some system of variation, if not a proper rotation. In practice we find that whether we apply the dung of animals, plow in green crops, apply mineral manures, or depend upon the fertility of the soil alone, we realize much better returns by this means, for the labor, time, and fertility expended. Some crops rapidly exhaust fertility hy appropriating the most available supply of substances essential to their growth. Others cither use less, or have the ability to collect them more readily.-Some root crops remove from the soil a comparatively small quantity of certain substanccs; which, if ahundant in an available form, promotes their growth, and increases the yield entirely disproportionately; whilst straw, or grain crops, demand an available proportion of draining is often a necessity. Sandy soils may other crops which remove more from the soil. The growth of one crop in a measure fits the composed, and their elements arc frequently not entirely obviated, in a rotation. To realize sandy soils. the greatest possible benefit from the application of manure, crops should succeed each these consist of as many classes or families of itable husiness.

plants as possible-repeating each class at the greatest convenient distance of time. A rotation consisting of the following variety: -oil plants, roots, commercial plants raised for the plant itself—as tobacco; leguminous plants, grain and grass,-will give an illustration of what is here meant hy different classes or families; this will give the variation, although not arranged with any particular order to the succession; this can only he arranged to conform to the difference in soils, etc., in different localities. The longer time intervening between two crops of the same kind, or species, the hetter the soil is prepared to furnish the elements which enter into their composition; it having replenished itself from the atmosphere and suhstances added, or having had certain substances detrimental to the plant dissolved and washed away by the action of the elements .-The English farmers, by close observation and long experimenting, have slowly worked out a system of rotation, which, to their climate and soil, is well adapted. Our American climate being quite different, and our country so extended and cmhracing every variety of soil and climate, no one set of crops can he adapted as universally suitable for all varieties of soil; and even if so adapted, our markets are so constituted as not to afford the requisite demand for that amount of such variety of products. Our country, embracing this extent and variety of climate and soil, the farmer finds that his calling is made more profitable and sure in being able to produce a greater variety of crops; he thus finds a ready market for all his productions; and as a nation we are less dependent upon the resources of other nations than if we had a less diversified soil and climate. There are yet other crops of which, as a class, our farmers grow too little; and which, as we advauce in our agriculture, we shall find advantagcous. I refer to the leguminous plantspeas, beaus, clover seed, &c. These plants furnish some of our richest food for stock, and from it a more enriching quality of manurc is derived. Would we but devote a larger area to the growth of these crops, and adopt a regular system of rotation of such crops as are particularly adapted to the soil and market of the locality of the production, our farms would improve; we should be able to keep a larger stock, and hy feeding these crops on the farm, an immense amount of the richest manure would be made, which, judiciously applied, would induce still larger crops; while, at the same time, our farms would be increasing in value. Let us then, hrother farmers, add to our possessions, hy improving our system of culture; remembering that the value of these consists, not in the number of acres we own, but in the production to he derived therefrom

### SOIL FOR A VINEYARD.

The Northern Ohio Grape Growers' Associatiou in its late report says:

Contrary to the idea entertained at the comnencement of grape culture in this country, it s now the opinion of a majority of vignorens that a dry soil produces the best wine, especially with the Catawba grape. Stiff clay is preferred. The soil should he dry, hence undera very different element, greater than some produce as fair clusters, but the quality of the wine is inferior. Gravelly soil is probably the next best. Clay crests that crop out of gravelsoil for another; the excrementitious matter ly or sandy districts are excellent. Manuring thrown off hy the first crop enters the soil and is also discarded. Most experienced growers the object of production. The vine will bear emies, growing successively in the same soil; may spoil a vineyard. We remember a notatransformations, enter the soil, and hy the time herger, situated on the Rhine. A proprietor thrive and multiply rapidly. Frequently the ing, though the yield was increased. The wine

The man who takes no pains to make or

# Correspondence.

AGRICULTURAL COLLEGE of PENNSYLVANIA

To the Editors of the Farm and Fireside:

The criticisms in regard to the Agricultural College of Pennsylvania, which have appeared in various agricultural journals, indicate very clearly that there is a great difference of opinion among those interested in agriculture, as to the mode in which such institutions should he conducted. There seemed to be no way of settling these differences hy argument, and it was necessary to adopt one of these systems, and to try it fairly in the College. The Trustees employed, as its President, a gentleman admitted to he eminently qualified for the post, and have always been ready to receive and the institution, as the funds would allow.

The College building was finished hut quite eudowment was in 1865. The institution has therefore started with a half-finished huilding, hy skilled workmen, it contrasted very unfathat want existed, no system could succeed. -Congress recognized the necessity of an enjust commenced. There are four hundred acres of very fine land, in the healthiest region of what will he some day a respectable endowment. The farmers of the State should see, therefore, that it is properly conducted and made available for the purposes for which it is intended. Every agricultural society is entitled to send delegates, who elect three trustees. Let them see to it, that the evils (if evils there are) are remedied. This is much hetter than calling it a humhug, or a failure. Too much money has heen spent on it to pass the matter by with a sneer.

I desire to make no argument in favor of the present mode of conducting it. I do not desire to refer to the few public-spirited individuals who have devoted their time, and their money, and their increasing labor to make it a success, and to ask lenieut criticism on that account. What I desire to say is, that it suhserves no good purpose to regret that it had uot been located at some other point, or that the building had not been differently constructed, or the land of some other quality. The thing is done, and, in the opinion of many, well done. Be that as it may, these points cannot be altered, but there are many points which are uot as fixed as those, and which every friend of there is not one of us who would fail to find a great deal of good about it, and would recognize that an immense deal had heen done in forms new combinations, which in turn are de- now consider manure an injury when wine is the matter, in the face of every disadvantage. let it remain until quite warm—some say until It was impossible in a new enterprise to avoid those most required for the nutrition of the ahundantly a long time, and remain healthy on mistakes, but we have the hest evidence, in to rise. Another mode is to add a teaspoonnext. Almost all plants have their natural en- a soil too poor for common farming. Manuring their acknowledgment, of the sincerity of the ful of salt to a quart of cream when skimmed. desire to correct them. Let us all give, not Cream thus prepared generally comes in a few they increase more than where only a single hle instance of the truth of this in the vine- only our advice, but our cordial assistance, to minutes when churned. It is thought the salt crop is grown; for they live and complete their yard which produces the far-famed Johannis- make it what it is capable of being, an honor acts upon the butter-globules and makes them of the following crop, they come forth, and once had it heavily dunged, and the quality It was never hoped, expected, or designed, that when churned.—Boston Cultivator. finding their natural, most desirable food, was perceptibly injured for many years follow- it should he self-supporting. And its friends never ceased to contend against all ideas that case happens that crops thus grown contract makers state that the most of grapes grown on it must have the donation it thought itself entry years ago there appeared a statement in Gov. disease from some cause not as yet satisfactori- the upland clay soils is richer than that from titled to from the Congressional Gift to the Hill's Monthly Visitor, that worms in the head ly accounted for; this liability is diminished, if the flatter lands of the Lake islands, or from State. No College in the State ever dreamed of sheep could be cured by simply taking whale

in every way from not being as astute, they tried to go on without the endowment, which the other Colleges were too wise to do. They have suffered for their error, which was a vital one, but, as it is now corrected, we shall look with great hope for the highest success.

Philadelphia, Dec. 27th, 1866.

# The Barn-Yard.

BREWERS' GRAINS FOR MILCH COWS.

MR. X. A. WILLARD, in the Utica (N. Y.) Herald, says that the value of hrewers' grains for milch cows, depends entirely on their cost in particular localities, when compared with other kinds of food. They increase the quanadopt such measures to ensure the success of tity rather than improve the quality of the milk, and when other kinds of food are given, combined with the grain to make up those recently, and the first dollar received from its qualities which are lacking, they may be used with good results. Cows, however, which are fed largely on hrcwers' grains, are weakened in a revenue derived from students alone, strug- constitution, and hence it becomes an imperagled through the war, and given, with every tive necessity to find some highly nutritious disadvantage, a cheaper and hetter education food in conjunction with them, if regard he than could he easily ohtained elsewhere. All had to the health of the animal, to say nothing the farm work was done hy the hoys, and when of adding to the inferior quality of milk resultit was compared with model farms, managed ing from their use. Experiments show that distillers' grains do not contain substances vorahly. The boys, too, were forced to do yielding an ahundant supply of caseine, but kinds of work which taught them very little, are hetter adapted for butter and sugar of milk. and which should he done hy hired lahor; hut They may be regarded as useful in keeping up this did not arise so much from the defect of a flow of milk, and where this is sought, they the system as from want of funds. As long as will be found perhaps more valuable than their nutritive qualities would seem to warrant.-Cows arc sometimes disposed to run to fat, and dowment in its gift of land to the States, for it fail in milk, when fed on highly nourishing expressly provided that the revenues arising food. In such cases, a moderate supply of from it should not be spent in the crection of brewers' grains will be found to correct the the huilding, but in the support of the Collego. difficulty, and thus they prove really valuable. The experiment may be said, therefore, to have The art of feeding to effect certain results, is not very closely studied by our farmers. By understanding the nature of foods and their the State, a large and substantial huilding, and economic use, one man will reach the same result at much less expense than he who has no definite idea of the material in his hands, hcyond placing it before his stock. The question of food is at all times an important one, and especially to those who are looking to the most profit from their use.

> STOCK FREDING-RAW AND COOKED FOOD.-The question as to which is the most profitable for feeding stock, raw or cooked food, still engages the attention of the agricultural press.-The majority of voices are in favor of the cooking process. A Kentucky farmer fed raw corn for a given time to his hogs-weighing them at the time of commencing the experiment, and again when a change was made to cooked food. The result was  $5\frac{1}{2}$  to  $17\frac{1}{2}$ —a large balance in favor of cooked food after deducting the expense of preparing the latter .-Even one-half of the above difference would justify the feeding of the cooked material in preference to that in a raw state.

BUTTER-MAKING IN THE WINTER, -For some unknown reason, cream skimmed in cold weathagriculture should interest himself ahout. If er does not come so quickly as that from the we would forget our individual preferences as same cow in warm weather. Perhaps the litto where it should he, and what it should be, the sacks of butter in the cream are thicker and tougher. There are two methods of obviating this: One is, to set the milk on the . stove, or some warm place, when strained, and a hubble or two riscs, or until cream begins to our State, and the cause which it represents, tender, so that they will hreak more casily

CURE FOR WORMS IN THE HEAD.—Some thirof paying any attention to the claims of agri- oil, and with a feather put it up the nostrils culture, except as connected with a claim in two or three times. It should be done in the that fund. They, therefore, recognized the spring, or whenever the symptoms of the disother in the order of their dissimilarity; and save manure, will not find farming a very prof- fact, which we assert, that it was a necessary ease make their appearance. It is said hy preliminary. The Agricultural College suffered those who have tried it to be a sure remedy.



A T a recent railroad dinner, in compliment to the fraternity, the toast was given: "An honest lawyer, the noblest work of God." But an old farmer in the back part of the house rather spoiled the effect by adding, in a loud voice, "and about the scarcest."

THREE hundred Scotch farmers are on their way to settle in Texas.

The Board of Agriculture of Upper Canada has made arrange-ments by which a six weeks' course of instruction in the theory and practice of agriculture, and the breeding, diseases and treatment of farm animals, is given gratuitously to all who choose to attend.

A SCRIBBLEE says life is too short to drink poor whiskey for to make love to ugly women.

 $\Lambda$  improvement in smelling fron has been made in the founding of the Philadelphia navy yard. By this improvement where it occupied before three bours in smelling a few hundred pounds of iron, it is now accomplished in one hour.

A SON of General Robert E. Lee has just been elected Professor of Mathematics for the Maryland Agricultural College at Bladenshurg.





# The Marse.

### HOW TO CHOOSE A HORSE.

A writer in the London Spectator gives some advice about the selection of a good family horse, which 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. Practieally, therefore, a horse is not likely to do more hand, may prove very troublesome. than one thing well. This extends even to its paces. The high action of a good trotter is often accompanied by a slow, rather mincing walk; but a horse that gallops well is pretty certain to cover ground rapidly in walking. We agree with a 'knowing hand' that 'a man who is a tolerable horseman, had better choose a high-couraged horse.' A baldy-bred horse may often be a strong, hardy animal, but it will knock up if it is pushed, while the thoroughbred will go on till it drops. A thorough-bred ought not to be chosen for pounding along turnpike roads, as its legs will not stand constant hammering. A cob 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. With such a one a reliable guaranty of age can be procured, whereas the horses that are just aged, that is to say, just eight when they come into the market, occur in numbers that might baffle a Quetelet. Again, norses are so badly used and so overworked in England, that it is quite uncertain how much strength an eight or nine year horse may retain. As a rule, no animal that has been hacked at such places as Brighton or Oxford ought to be bought .-After a year or two of such work the mouth is generally spoiled and the sinews of the legs go. Some persons consider color an indication of temper, and distrust a bright chestnut. We believe the rule is sound, but the exceptions are numerous. The ears and eyes of a horse, when its mouth is handled, when a whip is shaken near it, and when it is backed, are much better criteria of anger, no les than of fear, and are easily recognized. Irth horses, execllent as fencers, are apt to be f difficult temper. A horse sometimes overhags its fore legs, so to speak. This is a dangebus fault, as the centre of gravity being too. fal forward, the beast is likely to stumble. A orse with its belly 'tucked in,' as it is called that is to say, going np backwards, as in a grifp—a fault more common in carriage horses tan in hacks—feeds and fattens badly, and will wear out rather sooner than another. Lads and cockneys are a little apt to admire the ehested, spindleshanked horses. Of coursothis is a mistake. A deep, broad chest is indisensable for wind, and a thin-boned leg will be asily knocked to pieces. We have mentione only the points that an inexperienced purchase can remark for himself, and that do not enternto a warranty. As to positive vices or diseas, he can only guard against them by buyin through a respectable veterinary or from a honest horsedealer. We believe the comon opinion about the especial rascality of the trade to be a mistaken one, and we would soner buy ourselves from a dealer than from a fivate owner, who is apt to form a fancy esmate of his property, and is often ignorant ofmsoundness or tricks."

S

## SPLINT.

sometimes develope suddenly, appearance in a slow and gradual anner .shank bone, and they not unfrequely arise from a blow on the leg by the oppositiont .-Where a splint is situated near the kie-joint, it is more likely to prove detrimental the when predisposed to exostoses, and that, consuently, bony tumors may form in other regus of

flammation, and a little blistering oint at end of the time paid for.

may afterwards be applied. By these means, though the splint is not removed, it ceases to occasion pain, and consequently to occasion lameness. It is chiefly in young horses that splints prove troublesome, as in old horses they usually have become consolidated, and occasion no practical inconvenience. The operation of cutting away the splint is occasionally performed, but it is an operation attended with no advantage, and its results, on the other

FASTEST TIME OF HORSES.—The following record, said to be correct, is worth preserving. Doubtless the "fastest time" will be beaten before long. Our horses are so greatly improved in blood, endurance and training, that we shall not stop here.

The fastest time on record: 1 mile, pacing, Pocahontas, 2.17<sup>3</sup>; 1 mile, trotting, Dexter,  $2.18\frac{3}{8}$ ; 2 miles, trotting, Flora Temple,  $4.50\frac{1}{2}$ ; 3 miles, trotting, Dutchman, 7.321; 16 miles, trotting, Prince,  $50.00\frac{3}{4}$ ; 20 miles, trotting, Capt. McGowan, 59.351; 100 miles, trotting, Conqueror, 8.55.53; 100 miles, double, Master Burke and Robin, 10.17.22; 1 mile, running, Gladiator, 1.39½; 4 miles, running, Lexington,

HINTS.-Look out for having horses well shod and caulked as soon as icy weather comes. The best application for bruises and sprains is usually cold water and thorough rubbing. If very painful, put on rum, and a little tieture of arnica, but not on raw spots. Cuts, or bruises, when the skin is broken, are best treated with greese and pine tar, melted together to a soft

A Profitable Investment.—A farmer in Westboro, Mass., was induced, 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; this ground was plowed and trenched eighteen inches in depth, and well manured. Upon a portion of this ground, he set his dwarf pears, in a perfect square, six feet apart each way this occupied about one-teuth of an acre. The ground has been cultivated and well manured. For the first year some hoed erop was grown among the trees, which more than paid for cultivation. The past season two hundred and icle. ten dollars worth of pears were sold from these trees, besides what was used in the family.-Five barrels of Duchess de Angouleme sold for one hundred dollars. Such farming will

PRIOR OF FARM PRODUCTS.—The condition of agriculture, in all sections of the country, was never more flourishing than now. High prices, in the past three years, have insured good profits; and farmers of ordinary industry and skill have been enabled to add to their farm stock, to improve their buildings and lands, perhaps pay off mortgages or invest something in government funds. But we cannot anticipate a permanency of present prices, for the tendency of all merchandise is downward. But if farm products decline, so will all descriptions of goods and necessities which we cannot raise on the farm. We know that the agriculturist works harder for a dollar, generally, than men in other professions. Yet we have nothing to discourage us; fine horses and A splint is a small, bony tuor, which cattle, good poultry, well fattened beet and very various and conflicting. The more intelforms on the inside of the shank r cannon pork, dairy products, grain, wool, truit, &c., ligent estimates, or those that are made by will always command fair and remunerating and in another class of cases they ake their prices. We shall endeavor to keep our readers well posted on the fluctuations of the markets, They are usually situated on the iuse of the and in all things tending to promote their in-

The Philadelphia Society for the Promotion of Agriculture, meets on the first Wednesoccupying a lower situation. When algebone day of each month, at their rooms 702 Walproceedings.

Special Notice.—In ordering our paper, Treatment.—Where there is much heapand state the name of the Post Office, County and tenderness over the seat of splint, it is adsa- State. Payment in advance will be strictly ble to apply a wet bandage to reduce thin- adhered to. All subscriptions will stop at the

# Mints to Ladies.

#### TASTE IN ARRANGING FLOWERS.

Or all the various mistakes which are made by persons in arranging flowers, the commonest is that of putting too many in a vase; and next to that is the mistake of putting too great a variety of colors into one bouquet. Every flower in a group should be clearly distinguishable and determinable without pulling the nosegay to pieces; the calyx of a clove pink should never be hid by being plunged into a colors may look together. Sweet peas never look so well in the hand as they do on the boughs over which they climb, because they cannot be carried without crowding them; but put them lightly into a vasc with an equal number of pieces of mignonette, or rather ornament a vase half full of mignouette with a few blooms of sweet peas, and you get a charming effect, because you follow the natural arrangement by avoiding crowding of the blooms, and putting them with the green foliage 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 piece of calceolaria, scarlet geraneum or blue salvia would ruin it effectually. Such decided colors as these require to be grouped in another vase, and should not even be placed on the same table with the sweet peas; they also require a much larger perponderance of foliage to show them off to advantage thau is wanted by flowers of more delicate colors. There is no kind of foliage so generally useful for all purposes of deeoration as that of ferns; and next to those must be ranked the smaller kinds of the fir tribe, such as arbor vitæ, yew, cypress and juniper.

In the selection of these for use amongst flowers, there is great scope for taste and judgment. The stiff-growing ferns, such as blechnum, and osmunda, and the branches of thuja and taxus, go best with spikes of tail flowers. More delicate flowers are best set off by elegant and finely divided species of pteris and dayallia. and by pieces of juniper and eypress, while the climbling ferns and selaginellas come in where scarely anything else can be used, and give a charming and tasty finish .- Gardener's Chron-

A Lady correspondent furnishes the following "hint to lovers of flowers"; "A most beautiful and easily attained show of evergreens may be had by a very simple plan, which has been found to work remarkably well on a small seale. If geranium branches, taken from luxuriant and healthy trees, just before the winter sets in, be cut as for slips, and immersed in soap water, they will, after drooping a few days, shed their leaves, put forth fresh ones, and continue in the finest vigor all winter. By placing a number of bottles thus filled in a flower basket, with moss to coneeal the bottles, a show of evergreens is easily secured for the winter. All the different varieties of the plant being used, the various shades and color of the leaves blend into a beautiful effect. They require no fresh water.

THE COTTON CROP.—The estimates of the amount of the cottou crop of this year are still tunities for giving an intelligent opinion, place the amount at between 1,500,000 and 2,000,000 bales. Both Southern planters and Northern buyers are of the opinion that there will be an advance from the present ruling prices when the amount of the crop becomes tinally known. Those of the planters who are not compelled to sell their cotton at once, in is also present, it indicates that the rese is nut street. Hereafter, we shall report their order to obtain money for the payment of their laborers and other expenses incident to the raising of the crop, are shipping their cotton North for storage until the prices improve.

> The Camelia is a native of Japan, from whence it was introduced into England about

#### PURE AIR AND SLEEP.

Dr. Arnott, in his Physics, states that canary birds suspended near the top of a curtained bedstead where persons are sleeping, will generally be found dead in the morning, from the effects of earbonic acid gas, generated in respiration. He sets forth this as a fact, to show the necessity of breathing pure air in sleeping apartments, and a sweeping argument against the old-fashioned, high-curtained bedsteads.-A healthy man respires about twenty times in a minute, and inhales in that period about seven hundred cubic inches of air; this he exhead of white phlox, however well the two hales again in the form of carbonic acid gas and water, which vitiates the atmosphere .-Three and one-half per cent. of carbonic acid gas in the air renders it unfit for the support of life; this shows how necessary it is to provide a supply of pure air for the support of respiration.

> There are also certain facts which go to prove that more danger exists—that there is a greater proneness of disease-during sleep than in the waking state. In Turkey and Hindosstan, if a person falls asleep in the neighborhood of a poppy field, over which the wind is blowing towards hlm, he is liable to "sleep the sleep which knows no waking." The peasants of Italy who fall asleep in the neighborhood of the Pontine marshes are invariably smitten with fever. Even travelers who pass the night iu the Campagua du Loma, inevitably become more or less affected with the noxious air, while those who pass through without stopping escape the marsh fever. Those who have traveled in tropical climes, and who have been attacked with bilious fevers, uniformly aseribe the cause of their sufferings to night exposure iu the open air.

An English traveler in Abyssynia has asserted that he could live in health in that sickly climate, by a proper selection of the situation where be slept every night. There is abundant evidence, it would appear, which goes to prove that by proper attention to the place where, and the circumstances under which persons sleep, many diseases may be avoided,

THE ENGLISH CATTLE PLAGUE.—For the last week reported, 32 animals were attacked with the eattle disease in Great Britain. The total number of animals thus far attacked have been 253,771, and 52,450 healthy cattle have been slaughtered to preveut the spread of the dis-

AGRICULTURAL PROGRESS.—Rev. Dr. Osgood, of New York, in his Thanksgiving sermon, thus alluded to the "influence of mind" on the productions of agricultural wealth:

"Before the war more than eight millions of our people were bringing out their powers and dispositions in various ways, and supporting by their labor and skill the remaining twentythree millions who depended on them every day; the world was carried forward by their work, and character as well as wealth grew under their fostering hand. The nation was beeoming rich to an enormous extent, and in the years from 1850 to 1860, the eash value of farms under cultivation had risen from \$3,271,-575,426, to \$6,645,045,047, an increase of 103 per cent, in ten years. The amount of capital invested in farm implements and machinery in 1860 was \$246,118,131, being an increase of over \$94,000,000 in ten years, or more than 63 per cent.; while in the same time our population increased only at the rate of 353 per cent. We show how the American mind was bringing thought as well as labor to bear upon the production of wealth, when we learn that the mannfacture of farm implements in 1860 amounted to \$17,487,960, an increase of 160 per cent. over the amount in 1850, and in the Western States an increase of 425 5-100 per.

The consumption of cheese in England, yearly, amounts to the enormous amount of 821,250,000 pounds.

## HOW TO OBTAIN THE FARM AND FIRESIDE.

SEND Two Dollars to the Publisher, by mail; or, if there he a news-dealer near you, order it of him. The FARM AND FIRESIDE will be sold at all News Offices. Single copy, 5 cents.



WISDOM FOR THE NEW YEAR—ep out of debt. Pay as you go. Buy nothing except the one yis in your pocket. Have no account current at the grocol or butcher's. Go without new clothes till you can pay for bm. Give your note of hand to nobody. Eschew credit. De or cash only.

THERE are now wanting only eight indred and fifty miles of wire to connect New York with kin.

THE gross revenue of the Stephen Girard estate, for 1867-8, is estimated at \$350,000—nearly fifty cent, increase over that for the last year. Most of the property is in real estate, the value of which is constantly increasing. It is expected that the income will soon be sufficient for the support of 1,200 orphans.

T HE salmon fishing season, which has just closed in England, was the best experienced for many years.

The cash in the U. S. Treasury amounts to about \$96,000,000, of which \$80,000,000 are gold.

THERE is a brisk demand, in England, for steamships to load grain for the Battle and Sweden.





# The Farm.

### HOW TO MAKE FARMING MORE PROFITABLE

Written for the Farm and Fireside, BY WM. CLIFT, NEW YORK.

Does farming pay? This question was dis cussed with a good deal of warmth, some years ago, iu the New England Farmer, and a wiseacre proved, to his own satisfaction at least, that the tilling of the soil was a losing business. Yet our farmers have kept on plowing and sowing ever since, and the nation has been growing richer all the while, notwithstanding the waste and ruin of a four years war. As husbandry is the basis of all other kinds of wealth, it is difficult to reconcile this theory with the graud result. The mechanic, the manufacturer, the merchant, the professional man, can only prosper as the farm prospers. The daily bread of all must come from the tillage of the soil. As the country is bearing its enormous burdens well, and paying up its debts at the rate of two hundred millions a year, it is quite manifest that farming has paid somebody, if it has not paid farmers.

Yet there is a wide-spread conviction, more largely shared in the rural districts than in the cities, that labor is not as well rewarded upon the farm as in other eallings. The young, especially, graduate from the farm in the older States at a very early age, and in large numbers. 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 son to the best academy in the country, or even to college. -The youth grows ambitious in the new atmosphere, learns to despise the plow, and runs to the city to seek his fortune. He sends his daughter to the best female seminary he can hear of, at an expense of five or six hundred dollars a year, where she learns much that is valuable, but grows shy of rustic lovers and almost any other handicraft or trade. Almost cowhide boots. She has an eye for kid gloves, and Congress gaiters. Through the farmer's prosperity his older children are lost to the farm, and it is only by dint of much persuasion and liberal offers, that he keeps the youngest at home, to be the stay of his declining

And if he be not prosperous enough to send away his children to school, his inability is taken as the best of all reasons 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 for themselves, as clerks or apprentices. Nothing is ever returned to the farm for the expenses of childhood, and the farm is by that much poorer. Whether true or false, the opinion is general, that husbandry does not pay as well as other callings. Everywhere in the older States, and in some of the new, the towns and cities are gaining iu population at the expense of the agricultural districts. Hardly an exclusively farming town in New England can they now take advantage of the ignorance of a show as large a population as it had fifty years large class of farmers and secure profits that ago. In some there has been a serious decline, and churches, ouce strong and able, have now ceased to be self-supporting.

show that a better husbandry is called for, prosecuted by the same methods.

brains must be invested in it. The day has of his calling. The best of these journals, into a ten acre corn-field and hoe all day alone. gone by wheu brute musele will win in human contests. Even the pugilist has his training, what they might be with a larger patronage; and it is the training that makes the victor .-The well cducated Prussian soldier and his than their cost to the man who will read and needle gun, conquered Austria in a month's digest them. They are mainly the records of campaign. Ideas nurtured in the Northern the experience and observation of practical ing, and they are just as anxious to lend on school house, crushed the Southern aristocracy, and broke the manaeles of four millions of to give their reflections to the public. Every bondmen.

We want more thought applied to farming. is needed. The indications of a change are success is the direct result of thought applied money, as in wanting it. Farmers must have bers ve us a better remedy?

nual fairs, and lively competitions. We have muscle in all their farm operations. The slug-thrive by it. our Agricultural journals and farmers' clubs, gards must imitate their example, or lose the with neighborhood meetings and farm visits.-We have a large number of books published on Agriculture and kindred topics, and the into our magazine literature. We have a few live farmers and rural improvers, in almost every town, who are showing their faith by their works. They invest liberally in barns chards. They execute plans, deliberately formed, and spend as much brain-power upon their business as the merchant or mechanic does upon his. Their minds are wide awake to every new invention, or process, by which labor may be saved, and the earth coaxed to yield her increase at the least expense.

But these men are still the exceptions in our agricultural towns. There are multitudes of routine farmers, who are earried along iu their improvements, if they make any, simply by force of example. They have no well digested plan of farm operations. They have no rotation of crops, and eannot tell whether a given erop is raised at a profit or loss. They buy a new style of tool only when they eannot find the old in the market. They do not believe in mowers, reapers or threshers that go by horsepower. They swing the seythe and the eradle, frosty morning of winter. They will not give up the old tools and the old familiar sounds, though the new are a hundred fold better,

These meu, who cling to the old ways, are to be found in almost every township, and will probably die in their present faith and practice in husbandry. They learn nothing in a business that calls for more varied knowledge than every one of the natural sciences is immediately useful in the tilling of the soil. The farmer should know something of geology and mineralogy, and ehemistry, that he may understand the constituents of the soils that he cultivates, and remedy their defects. Botany and zoology will aid him in the selection of the crops and the stock that he can raise most profitably. If he carry on any large business, he must necessarily buy and sell continually, and needs to watch the markets as closely as the business as the trader and speculator from the city, who comes into the country to buy his produce and forestall the markets. It is mainly for lack of this kind of intelligence that these middle-men multiply so rapidly and make such enormous profits in forwarding the farmers' products to the city, where they find their market. Almost everything goes through their hands, from the fat beeve of two thousand pounds, to the egg of two ounces,-from the big tree of the forest, sawed into lumber, to the blade of grass packed in the hay bale. Middlemen are no doubt a necessary class, but the farmer would gain if he studied the markets

To stimulate thought and keep up with the These are dark shades in the picture, and times, farmers should read more upon topics connected with their business. The day has rather than that farming is necessarily a poor gone by when the county political newspaper, rect five or more. And we think it will be business. As many conduct it, it does not pay with its gross personalities, love stories and adfound that two men pay better than one, and Butters, in te part of the town called Somervery well, and no other business would pay, vertisements of quack-medicines, will afford five better than two. It looks and feels a good ville, and hown as the Butters apple, also sufficient mental pabulum. Agricultural and deal more like business, and more is accom-To make husbandry more profitable, more horticultural papers and books are a necessity plished. It is disheartening to any man to go perhaps, are not what they ought to be, or but the poorest of them are worth much more farmers who have sufficient leisure and culture man will find in their pages snggestions that will iufluence his own practice iu husbandry There has been a great change for the better and make it more profitable. Our best farmers within the last fifteen years, but a still greater are now reading and thinking men, and their

profits.

Then we must have more capital invested in the business. A large part of what we have he have capital enough remaining to work it folder, and come out thriving in spring. or so much as he needs, to the production of ception. Every man has a strong eraving for better. If he has capital, the probabilities are that he will invest it in bank-stock, or more land, rather than in more manure, or more stock and grain, to make manure with.

If we could trace the history of every individual farm, as we do the history of a town, or of a State, we should find it a long struggle with iusufficient capital. The farm was origineven on smooth meadows, and the thud of ally carved out of the forest, by a man who their flails is heard on the barn floor, with the had little else than his two hands and a few tools to work with. With his axe he made the first clearing, and with the help of a neighbor's team, he did his first plowing and put in his first crops. The virgin soil was in his favor and yielded bountifully for a few years, and furnished him with the means to put up his frame dwelling, his barn and other outbuildings. It took one generation to get the land cleared of stumps and the buildings paid for. It took another to accumulate a little eapital; but that, anfortunately for the homestead, was either spent in more land, or in educating children 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 business, and is willing to invest in it, and to live by it. He wants capital to drain the swamps and swales, which are now the richest parts of merchant. He needs to be as competent for the soil; to work his muck mine, and add to his compost heap; to seeure the best farm implements and the best stock; to use all the labor and manure that he needs for the most eeonomical raising of erops.

And this brings us to the last element of a more profitable husbandry that we shall touch upon in this article. Most of our farmers are sadly deficient in labor. It is not uufrequent to find a two hundred aere farm worked with a force of one hired man and a boy, with the aid of the proprietor, and a little extra help in the having season. As a consequence, very little is planted or sowed, and that is but half 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. It might as well be in the bottom of the sea. A farmer who is competent to direct the labors of one man and make it pay, may just as well di-

But where are we to get the capital from, that will furnish the conditions of a more profitable husbandry? Just where the merehant and mechanic get theirs. There are monied men and banks who make their profits by lendgood security as the business man is to borrow. What better security can they have than the farm, which does not run away; and which, with skillful management, pays as uniform divideuds as any other business? The trouble, we apprehend, is not so much in getting the the dses are gone. Can any of our subseri-

every where apparent. We have State and to husbandry. They have the best papers and faith in their business, must invest their all in County Agricultural Societies, with their an- books that treat of their art, and brain guides it as the merchant does, and then they will

### FEEDING STOCK.

A CORRESPONDENT says, with regard to feedaroma of plowed fields and orchards is breathed is in the wrong place-in the land itself, rather ing stock in winter: With good care and atthan in the stock, tools, manure and labor to tention, stock coming iuto winter quarters in make the cultivation profitable. It is well fair condition may be brought through the winenough for the cultivator to own his farm, if ter on the coarser and less valuable portions of with cellars; in the best farm implements; in with; but if he have not, let him sell a part or erally there is a large growth of corn fodder. rock-lifters and tile-draining; in good stock mortgage the whole, to raise it. In our New and if this has been saved properly, it will furnand manure; in ornamental trees, and in or- England husbandry we need from thirty to ish a large amount of valuable feed. Cut fine fifty dollars for every aere under the plow, to and mixed with the different qualities of meadmake the crops pay fairly. Farming with in- ow hay, straw of the different varieties of sufficient capital has been the eurse of the grain, all eut, moistened, and a little salt added business from the beginning. In England, as and allowed to be in bulk a few hours or days, a rule, the farmer does not own the soil, but according as the weather may be, to soften behires on a long lease, and applies all his capital, fore feeding, it will be eaten nearly or quite clean, and do as much good as the better qualithe crops. He spends more upon the soil, and ty of hav fed whole. Especially if a small makes it pay better. Here leasing is the ex- sprinkling of meal or any kind of grain, or a few pulped roots are added, we have a feed more land, rather than to make what he has which stock will thrive upon in a remarkable degree.

> If the farmer has both hay and grain, it is better to leed a portion of the grain in this way, ground into meal, than to sell it-selling a portion of his hay instead, if either must be disposed of The more concentrated the food the more fattening material is furnished, and the richer and better the manure. Corn fodder, eoarse hay and straw cut and mixed as above, with a little meal to give a flavor to the taste and smell, will be eaten cleau, with the exeeption, perhaps, of a few pieces of the hard butts and joints. Fed three times a day regularly, 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 same quantity of graiu. A ton of sweet corn fodder prepared as above, and fed, is worth nearly as unueh as a ton of hay.

LIBERALITY IN FARMING.-In this art, and almost in this art alone, 'it is the liberal hand which maketh rich.

Liberality in providing 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 pefeet in their kinds are ever the most profitabe.

Liberality in good hrns and warm shelter is the source of health, strength, and comfort to animals, causes ther to thrive on less food, and secures from datage all sorts of crops.

Liberality also in he provision of food for domestic animals is he source of flesh, muscle

Liberality to thearth, iu seed, culture, and compost, is the ource of its profit.-Josiah

ORIGIN OF FAIOUS APPLES.—The original tree of the Nevown Pippin, of world-wide repute, was a cedling, which grew near a swamp in Newtwn, Long Island, about 1700, on the estate o'Girsham Moore, and the fruit was called the Girsham Moore Pippin for a long time. The tree lasted over a hundred years, and finely died from excessive cutting, it having been uch resorted to for seions to graft with.

The Baldwi, New England's favorite apple, originated ir Wilmington, near Boston, more than a centive ago; it grew on the farm of Mr. known as te Woodpecker's apple (the Woodpecker's hing perforated the tree); being disseminatedly Col. Baldwin & Sons, it was called the aldwin apple.

WHITE DAISIES.—The Germantown Telegraph sas the white or ox-eye daisy can be extermited by cultivating your land to corn or potates for two years in succession, and not allciug a weed to grow. Or, if you will plow yir land in April, and drag it twice a monthill July 1st, and then sow three pecks or a bihel of buckwheat to the aere, when the crop harvested, you will, probably, find that



THE FARM AND FIRESIDE, a new journal of Agriculture, Quarto Form. Beautifully illustrated. Terms \$3 per year. S. S. FOSS, Fublisher. Patriot Office, Woonsocket, R. 1.

THE BIDDIES.—By warmth and judicious feeding a hen may der ordinary circimstances in three; and every one knows, or ought to know, that a fowl fatted at two years old is much more tender and palatable than one that is older.

Dialined land is generally ten to twenty degrees warmer in summer, than that in which water stands stagnant.



# FARM AND FIRESIDE.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JANUARY 12, 1867.

#### TO OUR FARM FRIENDS.

An early love for rural life, an attachment to the domestic animals of the farm, au associatiou with the houest workers of the soil, and an appreciation of the vast and rapidly inercasiug importance of American Agriculture, are the main reasons for publishing the Farm and FIRESIDE. It has been our wish, for many years, to conduct just such a journal as is now before the reader; and, with long experience in journalism, and a practical knowledge of what the agricultural class desire, we commenee the New Year with the determination to make as good a farm journal as adequate capital, patient industry and untiring perseverance

The followers of Agriculture in this country, as a class, are more intelligent, are better read and more thrifty than are the agriculturists of other lands. Besides, they have the iudustry, the pride, the determination to excel in the noble profession they have ehoseu, and which has contributed more to our national wealth, stability and greatuess, than any other distinct professiou. Yet, in turning up the mellow glebe, in the cultivation of diversified crops, in the rearing of stock, in the propagation of fruit, and in the general and ecouomic mauagement of the farm, they generously aeknowledge that they are not correct in all things, and that they are not "too old to learn." We do not propose to educate them; but we shall use our humble talents, with the ability and experience of a large corps of paid contributors, to make the FARM AND FIRESIDE the best, most practical, as well as the cheapest Agrieultural journal 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 emineutly practical, we invite farmers, in all sectious of the Republic, to contribute to our columns. We invite them to send in their experience, success or failure, in the cultivation 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, anything which may interest 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, praetical and valuable.

The expeuse attending the publication of a journal or a magazine, is more than twice what it was before the Rebellion. Paper, printers' wages, the cost of engravings, and the price of first-class agricultural articles, are in the same ratio of expense. Yet we put the price of our paper exceedingly low, eonsidering the style and eharacter in which it is produced. In order to meet a generous outlay of capital, and to give the FARM 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 him in its success. We pledge ourselves to make a journal worthy of the great agricultural community—a valuable comof their manifold interests. Let us help each other.

CHANGE OF DATE. This number of our journal is dated the 12th of January, instead of the 5th, as advertised. This change is to give us time to perfect our arrangements, typographieal and otherwise. Our friends will also have time to aid us in obtaining subscribers. As the FARM AND FIRESIDE will be valuable enough to bind at the year's end, back numbers, to com- elubs of ten, to one address. we will accept plete files, can be obtained. Subscriptions should begin with the first number.

#### FARMING IN THE UNITED STATES.

Although Agriculture gives employment to more eapital and a larger number of persons thau any other pursuit in which the people of this country are engaged, it is nevertheless true that there is no calling in which the Geuius of Improvement goes forward, from year to year, with such an uncertain and moderate pace.

While the intellectual activity of the last quarter of a century has originated labor-say ing machinery, adapted to nearly all the work of the farm, giving double, and in some cases quadruple force and effectiveness to the work of the farmer's hands, he has been slow to avail himself of those other facilities which scientific research, and practical skill combined, have brought to light for increasing the productive eapacity of the land itself. Improved plows. harrows, horse-hoes, hay-tedders and mowingmachines, we have in abundance; and we farmers are not slow to avail ourselves of anu mechanical contrivance calculated to lighten the labor of making and harvesting our crops. hut, as a class, we are not disposed to adopt any new methods of cultivation, even when the experience of the most successful farmers has eonfirmed the teachings of science, that the productive eapaeity of all soils can be very largely and economically increased thereby.

The immeuse extent and surprising fertility of our national domain; the cheapness of land; and the facility with which food can be produced, are perhaps among the chief causes of our indisposition to adopt, in this country, a better system of husbandry than that which now prevails. But, whatever may be the eause. there cau be no doubt of the fact that agricultural pursuits will never be so remunerative as they should be, unless those who engage in them are willing to bring to the cultivation of the soil the same habits of investigation and the same earnestuess of purpose which characterizes the successful inventor, manufacturer or merchaut.

As yet, the science of farming is in its infan-With rare exceptions the cultivation of the soil in the United States is wasteful, negligent and uusystematic. Our cultivated lauds are, in many sections, passing through a course of general deterioration, of which the owners seem quite uneonscious, because the causes which produce that deterioration are not at once apparent 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 moisture from an indurated sub-soil, which has never been seratched, even by plow or spade, checks vegetation coutinnally, at the very season when the atmospheric ageucies are most favorable to the development of vegetable growth; and noxious weeds are permitted to dispute successfully for the possession of the soil which ought only to sustain the life-sustaining plants which the farmer has planted.

In thorough draining, deep tillage aud liberal manuring, the American farmer cau find employment for all the time and money at his command; and he cannot afford to neglect these three great essentials of good farming, if he would maintaiu a sturdy independence, enjoy a sereue and comfortable old age, and leave something beside a good name as a legacy to his children. He who depends upon mother earth for his support, cannot afford to iuvest any portion of the increase which she affords in stocks or speculative euterprises of any kind. Even the savings bank is a poor place of dependium of rural intelligence, a pleasant com- posit, if he has a muck bed, a peat meadow, panion to the farmer, gardener or stock-raiser; or a marl bed in his neighborhood. Let him an instructor of their families and a defender 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 been done by those who have expended upou their lands, in a single season, an amount equal to the value of the land itself.

> Clubs.—In answer to many inquiries, we would state that our paper is offered so low that elubbing is almost out of the question. But to \$17.50—making the price only \$1.75 to each subscriber.

#### INTERNATIONAL CATTLE EXHIBITION.

We are informed it is in contemplation to hold a grand International Cattle Exhibition at Stanstead, Canada East, in September next .-This exhibition, it it takes place, will be under the joint auspices of the United States and Canadian Agricultural Societies. We cordially endorse this proposed exhibition, believing it would be of great interest and benefit to our agriculturists.

Typogramically viewed, we think the Farm and Fireside" is no discredit to the 'black art." The publisher, while not aiming to gratify an eccentricity of taste, has endeayored to present a journal that is unique in appearance. A critical eye, he it that of a printer 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 respects peculiar. Such page, column aud advertising rules, dashes, etc., were never before used in a newspaper. They were made to order by Messrs. Conner & Sons, New York. The "head" of our journal was engraved by S. S. Kilburn, Esq., of Boston, after an original design by the publisher. We think it as pretty as appropriate. The type is 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, Warden & Co., Boston. The fine engraving of "Patchen, Jr.," which adorns the first page, was drawn from life by Theo-DORE MARSDEN, Esq., the well-known eattle painter. The little cuts, iu the page corners are suggestive, and we think uot unsightly.

We submit to our brethren of "the art preservative of all arts," that, despite Kiug Solomon's assertion, we do present, in the FARM AND FIRESIDE, "something new under the sun;" and that something not uncomely.

#### THE CROPS OF 1866.

The Monthly Report of Agriculture for December, contains a final estimate of the corn crop of 1866. The total result is 880,000,000 bushels. In the 11 States not hitherto 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 1865, showing a decrease of 25,000,000, while the decrease in quality is equivalent to 75,000,000 bushels, 100,000,000 bushels. The cottou estimates are also completed, showing a total product of 1,-750,000 bales of 400 lbs. cach. As the actual bales are now nearly 500 fbs. each, this is equivalent to a milliou and a half of such bales.-The estimates are made up as follows: North 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

Loss of Thorough-Bred Horses.-Thirtynine head of thorough-bred horses were shipped from Englaud, last month, on the steamer Helvetia. When the steamer arrived at New York, only five of these animals were livingthirty-four having died on the passage. They were owned by a Mr. Cameron of England.

To Advertisers.-We ask the attention of all persons engaged in the manufacture of agricultural implements, or fertilizers; all who are in the seed business, in stock-raising, in the in every village, town and city in the United nmrsery trade, or who have farms or farm States. Apply to the publisher, at once. lands for sale, to our journal as a medium for advertising. Having a large eirculation, almost exclusively among agricultural readers, uo paper offers greater publicity.

NEW ENGLAND LAVE STOCK MARKET.—The whole number of cattle, sheep, and swine, sold at the Brighton and Cambridge Markets in 1866, was 647,125. Of cattle there were 118,-083; sheep, 400,546; swine, 123,496.

This copy of our paper is sent to many personal friends, also to others with whom we display. The Publisher holds the right to reject any advertise-have no acquaintance. All sneh may consider ment not suitable for these pages.

All letters, remittances, &c., should be addressed to it an invitation to subscribe.

#### RE-ORGANIZING THE AGRICULTURAL DEPARTMENT.

Congress has many important duties before t, but none of greater interest to the people than the proposed re-organization of the Agrieultural Department. Not that it has not been of eminent service to us, since its establishment; but how to make that Department more practical and valuable, is the question to be cousidered. And, when we contemplate the signifieance and influence of such a bureau, under the guidance of scientific agriculturists, under the support and protection of the Government, commanding the talent and experience of the entire country, and laying contribution upon all our vast resources, we only see its value foreshadowed in the future.

The eost of the present Agricultural Department has frightened the moles of Congress, aud some of them have made efforts to undermine it by their lunar wanderings. We will not say that the Department has been always managed with judicious conomy, nor can we affirm that its efforts have been invariably in the right direction. But we assume that when properly organized, when suitably officered, and all its scope, force and amplitude are developed, that it eannot cost too much, expend all the eapital we may. Congressmen, generally, are not prone to strict economy in national appropriations; and we hope no exceptions will be made against the interests of Agriculture.

The bill iutroduced for the re-organization of this Department, provides a chief executive, to be termed the Commissioner, to be elected for four years, with a salary of \$3000; an assistant eommissioner, a chemist, and other subordinate officers. We notice the bill provides that all foreign seeds shall be purchased in foreign countries, and not from importers here; also, that oue-third of all seeds, enttings, roots, &c., purchased or raised, are to be sent to the various agricultural and pomological societies of the United States. This is a good feature, and it should be adopted.

THE MARLS OF NEW JERSEY .- One of the most valuable and inexpensive fertilizers known in modern agriculture, is the sand-marls of New Jersey, which have added immensely to the fertility and wealth of that State within the past quarter of a century. these marks have been applied, vastly increased productiveness has been the unfailing result; making a loss in feeding value equivalent to and many sections which were considered, a few years since, of little value, have become the most profitable lands in the State. The marl deposit of New Jersey is worth millions to her agriculture, and the value of this great and inexhanstible fertilizer can scarcely be estimated in dollars and ceuts. We have engaged an able writer on agricultural chemistry to give us a series of articles on the marls of New Jersey, which we shall commence puhlishing in a few weeks.

> REPORT FOR 1865.—We have received the Annual Report of the Commissioner of Agriculture, and cousider it a very creditable document; in fact, far superior to the Reports issucd within the past five or six years. The artieles are mainly original, and seem to be written by men who understand what they are about. The agricultural press has been rather severe on Commissioner Newton, for some eause or other; but this last Report. from his department, is worthy of all praise.

LOCAL AGENTS. - We wish to employ a local ageut, to eanvass for the FARM AND FIRESIDE,

Specimen copies of our journal will be forwarded on the receipt of a stamp, to any

### The Farm and Fireside.

PUBLISHED EVERY SATURDAY

\$2.00 PER ANNUM, STRICTLY AND ALWAYS IN ADVANCE.

ABVERTISEMENTS .- A Emited number of agricultural adcertisements will be published. Price, FIFTEEN CENTS a line, each insertion. Special advertisements, at the bottom of the lages (see page 4), TWENTY-FIVE CENTS per line each Inser-tion. No cuts are allowed in advertisements, and no unusual

S. S. FOSS, Publisher, Woonsocket, R. I.



RE-APPEARANCE OF THE CATTLE PLAGUE.—The London Times, of Dec. 22d, expresses new fears of the cattle plague, which has re-appeared in three shires of England, and is increasing in Eastern Europe. I ISTEN!—The prophecy, "Many shall run to and fro, and knowledge shall he increased," is believed to refer to the "FARM AND FIRESIDE."

CHIOAGO LUMBER TRADE.—There are forty firms in the lumber-trade in Chicago, Ill., employing 2000 hands, making up 21,000,000 feet per month into doors, surfacing, flooring, siding, billnds and boxes.

A MICEOSCOPE has lalely been completed, in England, with double the power of any similar instrument previously constructed. It magnifies 15,000 diameters.

LUMBER IN MAINE.—A firm at Skowhegan own 400,000 acres of land on the Kennebec river, which is equal to four townships. This firm will cut 25,000,000 feet of logs this winter—employing 228 ozen, 152 horses and 800 men.





# Paetic Gems.

### WINTER.

He comes! the Winter comes! I hear his footsteps through the nights! I hear his vanguard on the helghts March thro' the pines with muffled drums

His naked feet are on the mead; The grass blades stiffen in his path.
No fear for child of earth he hath! No pity for the tender seed!

The bare oaks shudder at his hreath! A moment by the stream he stays— Its melody is mute! A glaze Greeps over its dimples, as of death!

Here is your mission! Ye who feed Your lavish fires! Not afar, But at your doors your heathen are ! God's poor—your creditors! Take heed!

The path is long to Pagan shores! Their skies are sunny—God o'er all The Winter's deadly harvests fall Around you! Beal your Master's stores!

# Fireside Tales.

### 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 one morning, busily netting a purse: "I do think it is one of the most perplexing things in the world to choose a wedding present."

"Yes," replied her cousiu Ellen, as she assorted her worsteds; "especially where the bride has a fortune of her own; Kate has had everything her fancy or taste could wish for all her life long, and she is to marry a man who is ready to lavish thousands 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 yet I don't feel like spending a great deal for a present which, after all, she will care so little about."

"What do you think of me, then? If I were as independent as you are, I could make magnificent presents; but papa frets more and more every day about our expenses, which he says are really enormous; I quite dread to ask him for a dollar now, and he has forbidden me to get trusted."

"Really, cousin Ellen, I didn't dream of your being so poverty-stricken," said Fanny laughing. "Will you go down with me and see what can he found? I must go this very morning; I am afraid it will be difficult to fix upon anything, for as I said before, it must be something rare or peculiarly tasteful that will suit Katc's fastidious taste.

"I will go Fanny, but not to make any purchase to-day.

"If I were you, Ellen, I wouldn't think of giving Kate anything very expensive; some little trifle will show your kind feeling, and of the day. There rose before her again that please her just as well.

To But then, you know, the presents will be paraded before everybody; and all sorts of comments made, I can see now the carl on Joanna Cushing's lip, as she says, 'so that England. They hoth died before Fanny was was from Ellen Chester; it is singular what taste some people have!' Oh, dear, I must try to give her something decent."

It was a wearisome, unprofitable morning which the cousins spent in hookstores, printshops and jewelry establishments. Such quantities of gold and silver plate of every imaginable variety, such glittering jewelry, such a pro Assion of enticing knick-knacks of all conce rable shapes and uses passed in review bef re them, as fairly made their eyes ache and years. That beloved mother's pale face, her the crimson drapery, shone out, and the notes freads grow dizzy. Yet to all some objections had arisen; this was common; this is inelegant others, very many others, Kate already had. The shopkeepers were unwearied in their endeavors to please their fastidious customers, and placed before them new piles and genas and trinkets, making the task of deciding every moment more impossible.

"I believe I shall take this," said Fanny at little watch-stand of most exquisite design; " even Kate's taste must be satisfied with anything so unique and beautiful as this.'

The little watch-stand was of alabaster; the principal figure upon it was a sleeping Cupid, wrought into such symmetrical proportious, wrought into such symmetric properties, fluence. Like a golden thread these recollection of the who had said, "Inasmuch as ye have done it

at it with fresh delight. It gratified her artistic blending with its varying texture, almost im- disposed now to lavish money for the mere taste as nothing else had done through the perceptibly, yet imparting to it a bright, fresh morning; the only objection to it was the hue it would otherwise have lacked. price-seventy-five dollars.

"It is much more than I designed to give," added she, "but it is the only really heautiful dying hours. Never could she forget the sickthing I have seen this morning, and as you room with its darkened windows, or the awe say, Ellen, one must give her something which crept over her young soul as she stood decent."

you," answered Ellen, "it is so lovely, so exquisite!"

But there was "a still small voice" in Fanny's breast, which remonstrated; true she had dear,"-nothing but silence and desolation, a large fortune entirely at her own disposal, hut that very morning she had resolved to woman should; and there now rose before her lieved and fed and brought home to virtue; and 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; Monday morning, then, if you will reserve it till that time."

It was getting late when Fanny and Ellen hurricd to the next square to reach their carriage. As they were rapidly threading their way in the crowd, Fauny chanced to brush rather rudely against a poor woman who turned toward her a face of such extreme pallor and sadness that she involuntarily paused an instant, but the crowd pressed between them, the face was lost, and Fanny hurried on. It was hut a glimpse, yet that face haunted her; was sure some uncommon grief must have fallen upon its owner. Fanny longed to confort her, to speak at least a word of sympathy and kindness to that forlorn and desolate woman, "Ah," thought she, "how many different kinds of sorrow there are in the world; how many are wretched and miserable around me, while I am wrapped ahout with luxuries, and can gratify every wish. Yet I too might have been born in poverty, and he now returning cold and langry, toilsome and desolate to rushed incoherently through her hrain, saddening her more than she would have aked to acknowledge to berlight-hearted cousin Ellen, who was gaily chattering away about persons and things around them, till they reached home just in time to dress for dinner.

That luxurious messi over, Fazny escapedito her room, glad of a little quiet after the bustle sad, pale face, and a series of self-reproachful thoughts passed through her mind-

Fanny Talbot was am orphan, whose parents had lived in a heautiful country village of New ten years old, and from that period she had found a home in New York with Mrs. Chester, her father's sister. Being an only child, she had inherited her father's fortune, which was a handsome one, so that ima pecuniary point of view she was entirely independent of her

relatives. Fanny had no recollection of her father, but she had most sweet and tender memories of her mother, who had survived him several windows opposite, a bright gleam, softened by and in bad taste; another too expensive; and which disease had laid its hand, were all indelibly impressed upon the heart of the explan child. She remembered, too, the pleasant passing to and fro-a mingled mass of human walks they had taken on the banks of the little stream; the hymns her mother had sung to her at twilight, and the prayers she offered as they many sonls does the Great Father keep his and I felt sure that if I could find you, I could knelt side by side in Steir quiet home. There were sweet pictures painted on her memory of last in a despairing tone, laying her finger on a green fields with yellow dandelions and red clover-blossoms; of hills covered with tall, dark pines; and of the little brook which wound in fanciful curves through the old pasrisen before her with a calm and refreshing in-

that Fanny had turned again and again to look tions had run through the web of her life, morning and the wedding gift. She was little

But Fanny's character had been still more influenced by the remembrance of her mother's by the bedside and watched the pallid cheek, "Oh, I shouldn't mind the price if I were and the fitful, laborious hreathing; nor the morning when she found that room was vacant, when no mother's loving face was there; no soft, low voice to whisper, "Good morning, such as only death can bring.

Many years had passed away; Fanny had spend that fortune as a true-hearted Christian received an expensive education, and was now entering society with all the advantages which visions of suffering mothers, of hungry chil- youth, cultivation of mind and clegance of dren and wandering outcasts, waiting to he re- manner give. Her aunt had heen affectionate aud kind, almost as her own mother, but she differed widely in one respect; she was a fashionable, worldly woman, who attached great importance to outward show, and had never her I have not forgotten her; and as for others, felt the constraining power of religious priuciple. But the last wish and the last prayer of the dying mother's heart had been answered, and amid the temptations to a different course which had surrounded her, Fanny had been led to love holiness and to conscerate herself cheerfully and fully to the service of the Savior. But she was far from perfect. Naturally gentle and yielding, she too often glided thoughtlessly with the current, and found it very difficult to do what her conscience dictated; and very often she mourned bitterly over her deficiencies, and resolved to make new efforts for progress in the heavenly life.

On the evening to which we have referred there was in it such an expression of heart as she sat alone in her luxuriously furnished broken sorrow and utter hopelessness that she room, a train of self-reproactful thoughts passed painfully through her mind. She saw she was wasting life, frittering it away to no good purpose. "I am perpetually husy," thought she, "but what do I accomplish? Whom do I make better or happier? What except selfish entertainment or enjoyment do I aim at or achieve? Yet I have health, time and some little portion of wealth at my command. Oh, it ought not, must not he so! Bitter and repentant tears filled her eyes; the image of her mother rose before her, and she some filthy hovel. Such, and similar thoughts, felt that if she had lived, it would have been easy for her to be good. "But all this is weakness," she said at length, rising and going to the window; "I am old enough to know my duty and to do it, without leaning on any earthly arm. L must learn to surmount difficulties, and gain some character and independence." And she resolved, alas, not for the first time, that she would be more decided, would save time, would seek out objects of charity and relieve their want, would be selfdenying and thoughtful of others in all her daily life.

She was conscious of having spent a large proportion of her income foelishly; not on herself entirely, but certainly to no available purpose. She had often given impulsively, but she had been too indolent to adopt active and systematic measures for the relief of suffering. Now, she resolved to give time and labor as well as money to the woes and wants of her fellow-creatures, and to practice selfdenial in their behalf. She raised the curtain and looked out into the night. From the sweet voice, all the sweeter for the touch of of a piano fell on her ear; beyond were insorrow in it, and her deffeate, slight figure, on mumerable roofs and chimneys, peering one above another, till all were lost in the darkening distance. Below, the crowd were still Fanny you cared for twenty years ago." beings, each with his own burden of care and toil, of crime and sorrow. "Ah, over how forgotten me. I know you were in New York watch," said Fanny, as she gazed upon the moving host, "and none is forgotten or uncared for. What fearful spectacles of woe and feeling heart." crime does his eye now behold;" and she gazed fearfully at the little patch of sky overhead, where the stars were shiving as calmly ture; and often when surrounded by brick and screnely as if there was no such thing as helping her mother's friend in the hour of need.

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 woman I saw to-day, while Kate would never spend two thoughts upon it."

But there rose before her, grim and threateniug, that phantou which has frightened multitudes from doing what their better judgment sanctioned, the opinion of the world-of her world. "What would everybody say if she were to make no present? What would Kate herself think?

Seldom had Fanny Talbot thought so seriously about her duty, and the distinction between right and wrong as ou'that evening, and the result of all her meditations was as follows:

"I will give Kate that crayen sketch I took at the White Mountains last summer; she liked it very much, and I know will value it, because it was done by my own hand; this will show why, I will not care; I will for once do what I think is right; I must gain some firmness, and I 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 would see and approve, and that perhaps her mother's sainted spirit might he bending lovingly, joyfully over the child who was striving to do right.

The Sabbath, with its sweet hours of stillness and heart communion, and of saured worship in "the holy place of prayer," strengthened Fanny's new formed 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 crossing, just before her, the same pale-faced, poorly clad woman who had interested her so much the day beforc. She hastened to join her, yet, fearing to seem rude, hesitated how to accost her. At last she said: "I passed you on Saturday, and thought you were looking ill. May I ask you f you are not an invalid?"

"My health is not quite good, ma'am, but I am able to go out on all pleasant days.

'In what part of the city do you live?"

A hright flush passed over the pale face, and vading the question, she replied, "in the lower part, since I came to the eity.

"Then you are from the country."

"Yes, ma'am, I lived in Greenbrook, Conpecticut, till two years ago...

In Greenbrook, the dear, sweet home of Fanny's childhood, the spot where her mother had died, and where her precious dust now slum-

"Did you ever know there a Mrs. Talhot?" she asked hurriedly, without stopping to think how unlikely it was she ever did.

"Mrs. William Talbot, who died there several years ago?"

"Yes; did you know her?"

"Know, her?" answered the poor woman, her face lighting up with a glow of pleasure, Yes, indeed; I nursed her when her little Eanny was horn, and she was always the truest, kindest friend a poor woman ever had! It was a sad day for Greenbrook when she passed away. If she were but living now!"

"What would you wish of her? Tell me." The stranger lifted a quick, earnest glance to the speaker's face, and exclaimed, "No, it cannot be, and yet there is just the look ahout the eye. Can you he a relative of hers?

"Yes, she was my mother. I am the little

"Then," said the woman with streaming tears, "my prayer is answered; God has not tell you all my troubles; for I was certain your mother's child could ucver have a hard or un-

Fanny's eyes glistened with tender emotions, She felt as if God had indeed hlest her desire to do right, by giving her this oportunity of walls and crowded streets, these pictures had guilt and breaking hearts in all the world below. It was almost like helping her, and a thrill of While in this hushed and softened mood, her joy ran through her soul as she remembered



STRANGE BEQUEST.—The late Mr. R. Garrett, a rich agricultural implement maker in England, hequeathed in his last will to three hundred of his employes a great-coat each. The distribution of the coats has been made.

MAINE boy armsed himself some years ago planting apple seeds. The result is a net profit of seven hundred dollars m a fine orchard this season.

The Pennsylvania Steel Company are erecting extensive works near Harrisburg, for the manufacture of Bessemer steel. They will commence with an annual capacity of 15,000 tons. Steel will soon supersede iron for many purposes.

THE oldest of the John Smiths, claiming 117 years, is said to live at Pleasant Mills, N. J.

PARMERS should remember what Robert Hall says—"No man can ever become eminent in anything, unless he work at it with an earnestness hordering on enthusiasm." WILLIAM HENRY JAMES, the inventor of the tubular boiler for locomotives, is living in poverty, in London, aged 77.

FINE, fresh strawherries are announced in the city of Savannah.





nuto me."

Mrs. Reed promised to call ou Fanny in the some sewing to an employer; and they parted, Fanny going on her errand of mercy with a light heart.

Mrs. Reed's story, though a very 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 city several years; 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 eame to New York, he had reached the lowest state of degradation. His wife, searcely hetter than himself, had died, leaving four litlie children motherless.

It was a sad change from the beauty and greenness of her sweet country home to the elose, filthy street where Robert lived, from haud to mouth, in the most wretched way. But a mother's love and courage triumphed over all that was 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 children had sickened and died; and Mrs. Reed, with shattered health and weary heart, was now watching 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 contrive to support them there, and the poor little things would then grow strong and healthy; but it takes money to travel, and I really ean't do more than get shelter and daily bread for them; aud such a home as it is-oh. Miss Talbot, I never thought to come to this! It was wicked pride perhaps which made une unwilling to tell you where I lived, but I had always a tidy home till I came here; now I am in a garret, and everything about it is so filthy, vilc and wretched. Ab, little do the poor in the country 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 she saw she had in her power to provide for this noble-hearted woman. "That seventy-five dollars," thought she, "will take them all to the blessed country; oh, how much 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 economizing a little the coming summer, giving up the six weeks at Newport and the fashionable dresses needed there, for all which in her lumost 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 herself to Reeds provided for; and instead of her usual free herself from the fetters which had hither- rise above Cedarmere, to bound her to a certain routine of living, and act in accordance with the dictates of her own warm, generous heart, regardless of ridicule or

It is Kate Ellerton's wedding night. Gay and beautiful is the secne, graced by beauty, elegance, and the most refined and cultivated eut, seed leaf finds few buyers at thirty cents. taste; nothing is wanting to the enchantment of the hour. The presents have been exhibited

unto one of the least of these, ye have done it gift too sacred and dear to be paraded. The absence of anything costly from Fanny Talbot was often commented on, according to the inafternoon, being then on her way to return dividual views of the speakers, but these comments never reached her ear, or if they did, had no power to disturb the sweet serenity of her soul.

"Why, if there is n't Fanny Talbot iu that same white silk she wore to Mary Gray's party How ridiculous! I should think she might afford a decent dress, if nothing more."

The gentleman to whom this remark was made turned to look at the lady referred to, and though he did not say it, he thought, as she stood there, in her robe of snowy white, with no ornament save one pure white eamelia in her beautiful tresses, her face glowing with a screue inward light which irradiated every feature, that never before had he seen any woman who was so nearly the realization of his long-cherished ideal of feminine loveliness.

It eost Fanny something, nay much, (for she had a gentle heart, which grieved to annoy or pain her frieuds), to break away from the plans laid for her, and separate herself so entirely from her uncle and aunt for the summer; but in rambling about the shady nooks, and fragrant musical old woods of Greenbrook in the quiet summer hours, she inhaled fresh, vigorous life with every breeze; yes, fresh mental aud spiritual as well as physical life; and she returned to the city, when the leaves were strewing her favorite walks, and the autumn winds singing their wild, sad requiem over the departing beauty of the forests, a stronger, wiser, and nobler woman; a woman living henceforth, a life of self-denying activity for the good of others, and of true allegiance to all that was best and highest in her nature; a noble, happy, serene life, which diffused far and near the blessings of a pure example, as well 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 ealled her blessed; aud to her could be truly 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.

It is just fifty years ago since 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 useful life by watching his habits in these latter days in his own home at Cedarmere. He rises at six in the morning, and exereises 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 carry it with one forever, 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 tea nor eoffee, though they are always offered to others. He writes chiefly in the morning, and devotes the afternoon to outdoor exercises, and the evenings to social enjoyment; for he elear, quiet Greenbrook, board there through is fortunately rich enough to be free from the the summer, and see with her own eyes the necessity of excessive labor. His attachment to his home at Cedarmere is very strong; and

Tobacco. - The Northampton (Massachusetts) Gazette says tobaceo is a dull erop just the contemptuous sneers of her fashionable now. Most of the tobacco raisers in the vicinity have two years' erops on hand, with no more prospect of a ready sale for it now than there was a year ago. At Hartford, Conuecti-

FRUIT-GROWERS SOCIETY. - The annual meetin an ante-room, aud, really magnificent and ing of the Pennsylvania Fruit-Growers Sociesplendid, have been applauded by the admiring ty will be held at Harrisburg, on the 16th inst. guests. Fauny's little drawing, prettily framed The convention will continue in sessiou several by her own hands, and sent with an affection- days, and fruit growing will be amply discussed. ries were gathered on this six-acre eranberry ate note, is not among them; that is a heart We shall give an abstract of the proceedings. patch. A profitable crop.

# The Paultry-Yard.

POULTRY IN FROSTY WEATHER.

There is something exhibarating in frost.-When the early morning breaks on the earth covered with rime, and the hard ground seems spurn the foot that treads on it, and the sun rises like a dise of burning copper, there is something elicerful about it. Nature has donned her masquerade dress of white. Your horse cannot contain himself, and the steady old friend, for some months past content to shake his head or whisk his tail as the only answer to what a granddaughter of ours calls "a good cut o' the whip," now seeks to devour space, and to try conclusions with your strength or that of your reins. In like manner your tried friend, the old dog, gambols, and, in the gleesomeuess of his feelings, he picks up a shred of cloth in the field, and shakes and tosses it for very wantonness. The appearance of real winter, then, is a holiday for many, but (ah! those buts,) not to all. It is none to the poultry. Water is frozen; the ground is so hard they eannot scratch, there is not an inseet of any kind on its surface; and they must depend on their owner for everything they want. See that they lack nothing. First they must have 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 eye 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 becomes brown, and the whole body looks as if it had been suddenly shrivelled or dried up. You must bear in mind they require more food and better than they do in milder weather; and if you can, let them have a greater variety. They want substitutes for the worms and insects. Now, the scraps of meat and fat from the table should go to the fowls. Save the draining of all the glasses, pour them together, and sweep all the erumbs and odd eorners of bread into it. Feed the birds often, and, if there is snow, sweep a clean place and feed there. Never feed any kind of bird in such a feed to the content of the standard of the content of the conten there. Never feed any kind of bird in such a manner that they will pick up snow with their food; it is a strong medicine to them. The lark that fattens in two days on the white hoar

### FROST HELPS THE FARMER.

days' snow .- Cottage Gardener.

frost, becomes a wretehed skeleton after two

In this climate winter rarely sets in until from frequent and heavy rains the ground is pretty thoroughly saturated with water. It would be a misfortune to the agriculturist to have the soil freeze solid and permanently for the season on the heels of a drouth. Wells aud springs would fail in the winter time, and the action of frost could not prove so beneficial to the land as if larger quantities of water were present in it. Few take note of the actual effeet of freezing and thawing upon all kinds of soil, more especially on the heavy and therefore reteutive ones. These most need the action of the frost and nature has provided for them to receive it to a greater extent than naturally light, porous soils. The water is dispersed all through the pores of the soil, and by its expansion when frozeu it eraeks, pulverizes, round of brilliant gaieties would refresh her he interests himself in the concerns of his weigh- lifts apart the particles from each other, to a spirit by communion with the hills and forests bors with a hearty friendliness. May his kind- more minute degree than it is possible to acand bright streams of her native place. Sweet by face, with its flowing, silvery beard and hair, complish by any machinery. While this acpeace entered her soul as she thus resolved to linger long under those beloved trees which tion is favorable to the extension of the roots of plants, it doubtless sets free much plant food which is physically so combined as before to be unavailable as fertilizers. So the looser the soil is left before winter, the better will be the action of frost upon it. On heavy lands, spaded gardens and plowed fields late in autumu are signs of good husbandry .- Rural New

> Cranberries.—Six aeres of meadow in the town of Mansfield, Counceticut, were carefully prepared and stocked with erauberry plants, three or four years ago. Last year, upwards of four hundred and fifty bushels of eranber-

# The Markets,

WOONSOCKET RETAIL MARKET.

Coal # ton\$10 50a12 50	Potatoes		
Oats & bush	Onlong		
GROCER	IFB, &c.		
Flour\$11a17 00	Raisins 20a25c		
Corn Meal	Molasses 22 onl 250420		
F Rye \$1.50	Y. 11. Tea		
Saleratus10a15c	Black Ten £0ca \$1 20		
Kerosene Off	Oil # gal		
Cheese 77 fb20c	Fluid of gal		
Butter & tb40, 42a45c	Candles of the second of a fine		
Codlishec			
Mackerei, new10a12c	Sugar & tb		
мелто, &с.			
Roof Stook 10-07-1	77		

MEAT	re, &c.
Beef Steak 18a25c	Hams
Veal10a20c	Tripe11
Veai	Pork, salt

#### BRIGHTON CATTLE MARKET.

At market for the current week: Cattle, 964; Sheep and Lambs 4,813.

PRICES. - Beef Cattle - Extra, \$12 50@13 00; 1st quality PRIOVS.—Beef Cattle—Extra, \$12 50% 13 to; 1st quanty \$12 00@12 25; 2d do. \$11 00@11 75; 2d do. \$9 50@ al0 50 \$100 fbs. (the total weight of hides, tallow and dressed Beef.)

Country Hides—8½@9c \$7 ib; Country Tallow, 7@7½% \$7 ib.

Brighton Hides, 10c \$7 ib. Brighton Tallow \$@3%c \$7 ib.

Lamb Skins, \$1@1 25 each; Sheep Skins, \$1@1 25 each.

Catt Skins, 12@ a20c \$7 ib.

Caif Skins, 17@a20c 7 1b. The supply of cattle in market is small, there being hat a few Rastern and Northern, which with those left over, comprise all there is in market for sale. There is not much of a demand for Beef, and prices remain unchanged generally, although in some cases the same quality may sell at a slight advance from last

week's prices. Stores—With the exceptions of Working Oxen and Milch Cows there are no Stores in market, most of the small cattle being sold

Working Oxen-Sales. There is hut a few pairs in market.-We quote sales at \$125, 127, 150, 170, 175, 185, 225, 270, 290, 300

Milch Cows-Sales extra \$75@a100; ordinary \$60@70; Storo Cows \$35@50. Prices of Milch Cows depend aitogether upon the fancy of the purchasers; but few in market.

Sheep and Lambs—The supply is small, and there is a good many nice sheep among them. Trade has been active. We quote sales at 5%, 5%, 5%, 6, 8%, and  $9c \oplus 1b$ ; £2.75, 1.50, 2.12, 5.78, 3.26,  $2.62 \oplus head$ . Swine-None in market.

#### NEW YORK CATTLE MARKET.

Beeves-The supply is light, owing to the storms, yet the market declined still further since last week; poor to medium 9@10c # 10; medium to fair 11@13; good 13%@15%c. Prime steers 15%@17c; receipts 3600 head. The market for milch cows remains as last quoted; extra good \$100;b110 per head; good \$60@100; common to medium \$50@75. Veal caives not @ oc dressed; receipts 14,000 head.

### NEW YORK WOOL MARKET.

The market has been agitated by the conflicting views and interests of huyers and sellers, and rumors from Washington with regard to the tariff question. The stock of Western fleece is small, and prices of this description are a shade higher, while the better kinds, such as Ohio, Michigan and Pennsylva-nia, are in ample supply and without improvement. The de-sirable kinds of foreign are firm, with more disposition on the part of manufacturers to purchase. We are indebted to Mr. James Lynch for valuable statistics of the wool trade, Heestimates the clip of the United States, in 1865, at 137,000,000 fts, yielding 68,500,000 fts pure wool. The imports of foreign wool at this port, Boston, Philadelphia and Baltimore, in 1866, aggregate 56,862,284 fbs, of which about 40 per cent, was clean. Thus the aggregate supply of domestic and foreign (pure wool) was 91,244,913 lbs. There are in the United States nbout 1600 woolen mills, containing about 6000 sets of carding machines, capahie of consuming annually 170,000,000 its OLEAN material. The sales are 150,000 lbs domestic fleece at 45@60 cents, as extremes for low to choice grades; 75,000 lbs super and extra pulled, part 44@521/c; some tub washed, 50c; 20,000 tos common California, 18@22c; and small lots fall clip, 25c; 70,000 lbs Texas, 19@ 24c for low, and 28@33c for good to prime; 880 hales Mestiza, In lots, part 26@30c currency; 10,000 fts ecoured do, 200 bales Cspe, and 135,000 ft Cordova Nolls, on private terms. Total amount of Wool in New York, January 1st, 12,300,600

### PHILADELPHIA CATTLE MARKET.

The following is a statement of the Cattle received and sold at

	Beeves.	Cows.	Hoge	Sheep.
January,	9,000	800	12,700	43,000
February.	5,800	675	5,900	27.000
March,	8,600	700	7.100	34,000
April	8,900	805	8,700	27,000
May,	6,100	840		\$8,900
June.	5,300	900	9,200	33,500
July,	6,600	1.000	7,900	40,000
August,	10,200	1.090	9,000	66,000
September,	9,600	990	8,000	36,000
October.	8,900	\$90	11,300	65,000
November.	10,600	1,010	13.600	57,060
December,	10,700	1,100	21,300	36,000
Total, 1866,	100,500	10,830	122,500	512,000

## Advertisement,

MILL RIVER IRON WORKS,

W. A. HENNESSEY, ......PROPRIETOR

Manufacturer of FLUE and TUBULAR STEAM BOILERS, OIL and WATER TANKS, WATER PIPE and PLATE IRON WORK of every description.

Boilers repaired in a thorough manner at short notice.

SHOPAT NORTH END, NEAR HARRIS'S NEW MILL, Refers by permission to

RICE, BARTON & Co., Machinists and Boller Makers, Worces. ter, Mass.

BELLOWS & WHITOOMI, Engineers, Wordester, Mass.

C. W. KIMBALL, FEQ., late Master Mechanic U. S. Attadry,

Springfeld, Mass.

Hox. E. Harris, Whonsocket,



MIGHIGAN crops are good. White wheat and harley are het-ter than ever before; the oat crop exceeded that of 1865 by 1,000,000 bushels. The total value of the crops, this year, is estimated at \$49,000,000.

THERE is one advantage in being a blockhead—you are never attacked with low spirits or apoplexy. The moment a man can worry he ceases to he a fool.

Two oblighter, have heen seized by the Collector of Detroit. They were nwn-d and kept in Canada, but frequently taken to Detroit, nstensibly for pleasure drives, and recently sold without the payment of Juties.

THE fathers of Generals McCiellan, Grant, Sherman, Sedgwick and Mansfeld were horn in Connecticut.

SITH SOAMMON, of Stratham, N. H., has an Ayrshire cow, ten years old last spring, that has given a little over 800 pounds of milk in ten days. In seven days, during the month of June, be made from her milk 28½ pounds of butter.





## Marticulture.

HOW TO RENOVATE AN OLD GARDEN.

Written for the Farm and Fireside, BY ALEX. HYDE, LEE, MASS.

The complaint is quite common that the soil of our old gardens is deteriorated, that it fails to produce the large and healthy roots that it was wont to do in its virgin state. This deterioration is often seen, even when barn-yard manure has been freely applied, year after year. Our Shaker friends, among others, complain of this degeneracy; and surely no one will accuse them of a niggardly application of manure, or of poor cultivation. 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 potatoes are unhealthy, their turnips worm eaten, and their parsnips deformed with fibrous roots. Every effect must have its cause. Let 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 locality, year after year. We well remember that in our father's kitchen garden, the sides of the main walks were as regularly sown with beans as the garden was made, and the same beds were made up for beets and onions. As a natural consequence, the soil became exhausted of the peculiar elements which those vegetables particularly required. The analysis of beets and beans shows varying constituents. In the former, the phosphates 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 succeeding as in the preceding

The first suggestion, theu, I would make, for perpetuating the fertility of our gardeus, is a 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 same erops, however, need not be raised, even in a small garden, for a succession of years, on the same ground. Where eorn grows one year, cabbages may grow the next; and thus the land has an opportunity to recuperate its exhausted energies, by drawing from that inexhaustible source of fertility, the

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 trench plows. The latter is an effective instrument for deepening the soil, and depth is an essential in a good garden, but does not bring to the surface the underlying stratum of earth, like the subsoil plow. This under stratum is often just what the garden needs to restore its ancient fertility. furnishing those very elements of which the surface soil has been deprived by loug cultivation. When the subsoil plow cannot be con-



THE FARMER

How hlest the farmer's simple life !-How pure the joy it yields ! Far from the world's tempestuous strife, Free, 'mid the scented fields 1

When morning woos, with roseate hue. His footsteps brush the sllvery dew. 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 goes, With cheerful steps along.

While noon broods o'er the sultry sky, And sunheams fierce are cast Where the cool streamlet wanders hy, He shares his sweet repast.

The twillght's gentlest shadows fall Along the darkening plain, He lists his faithful watch-dog's call To warn the listening train.

nown the green lane young hurrying feet Their eager pathway press; His loved ones come in joy to greet, And claim their sire's caress

Then, when the evening prayer is said, How sweet reclincs his weary head On slumher's couch of rest l

Nor deem that fears his dreams alarm Nor cares, with carking dln; Without, his dogs will guard from harm, And all is peace within.

O ye, who run in folly's race, To win a worthless prize. Learn from the simple tale we trace, Where true contentment lies!

Holmonarch I flush'd with glory's pride! Thou painted, gilded thing! Hie to the free-horn farmer's side, And learn to he a king !

physical nature, giving it perpetual youth.-Mixed with a little sand, it is just the soil for half baked. This is from the steam or warmth our hot-beds and the pots of house plants .--We were admiring, one day, the thrifty plants and some part of the side-staves been bored so of a Scotch lady, and asked her the secret of her success. "La! there is no secret about it," said she; "my father was a gardener, and taught me that rotted leaves were cheaper and better than manure; and I fill my pots with the virgin soil of forests, selecting some sandy spot, and my plants grow in spite of me."

This was good Scotch common sense, and we 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 accumulated food, to enrich our gardens; but it is man's prerogative to judge where the enriching material is most needed; and besides, these forests are great misers, constantly aecumulating from the air and storing their riches in the earth; and frequently these riches are so great that the trees will not miss a few eartloads. If any one is skeptical as to the effect of this forest soil, let him try a little of it in his pots or hot-beds; and we are greatly mistaken if its use will not be extended to the garden.

## KEEPING FRUIT.

fruit, says a contemporary, have of late become the rage, and while we are disposed to favor every progress in the science of horticulture, either 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 house or any special patent. Recveniently obtained, the same effect may be pro- ords are daily made, and have been for years duced by running a common plow twice in the of the success of keeping apples after being same furrow. Where the soil of a garden is a frozen solid, and hundreds of barrels are yearclay loam, with clay in prepouderance, we ly buried in the earth and brought out in spring have seen wonderful effects produced by draw- as fresh as so many potatocs. The one great covered, the others remained uncovered. In ing pure sand upon it. When a sand bank is feature connected with the preservation of a spring, as soon as cold weather was over, the not within convenient distance, a similar result frozen apple is that it be kept in the dark until thickest of the covering was removed. The may be effected by carting upon the garden the completely thawed out. And the successful plants, covered, started first, and looked best washings of the road-side. If the soil is a feature of keeping apples in ordinary dry cell through the season. The four rods covered sandy loam, the probability is that clay is the lars, is to place them in bins, or boxes, of about ingredient wanted for its invigoration; and a one foot iu depth, and cover them from all load of clay may do far more good than a load light, while at the same time there is kept up a of manure. Muck, also, sometimes acts like a free circulation of air in the apartment. Light charm in restoring fertility to an exhausted and warmth serve to assist the natural process soil; but the most certain of all restoratives of maturation, while shade and a cool temperathat we have ever tried, is the decayed leaves of ture retard it. Shade, again, in a confined atthe forest. In every grove we find places where mosphere, as in the case of apples barreled the wind has deposited the leaves for years, tight, often advances decay rather than retards and perhaps centuries, and their decay has it. This is known to every fruit dealer, and to formed a virgin soil as rich as the garden of most men who purchase their winter's fruit Eden. A few loads of this forest soil, carted from the dealer. Ou opening a barrel of ap-

of the old alchemists would have on man's grow dull looking; and, if a light colored fruit to soon present the appearance of having been moisture of the fruit. Had the barrel-heads 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 requisite to exclude the light, but that free circulation of air, even if it be down to a freezing point, or even below, is also necessary.

#### PEAS AND BEANS.

THESE articles have been found by ehemical analysis rich in nitrogen. The inference has been that they would be specially useful in supporting the waste of the museles of animals, aud it has been suggested that they would be particularly 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 used peas for fattening hogs, consider them worth as much as Iudian coru. In districts where that grain is not grown, very fine pork is produced from peas. Diekson, in his work "On the Breeding of Live Stock," states that a sweep-stakes was entered into between five East Lothian farmers, to be elaimed by the oue who should be pro-Fruit houses and special patents for keeping nounced the best feeder of cattle. Forty eattle of the same breed, and in equal condition, were divided between them, as fairly as possible. They were put up together the second week in September, and killed at Christmas following. The winner of the stakes fed his animals wholly on boiled beans, with hav.

> COVERING STRAWBERRIES.—C. E. King, of Westchester, New York, says, he used to think Selection of B. Rogers, 133 Market Street, Philadelthat covering strawberries was but a waste of Clover, Timothy, that covering 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, were through the season. The four rods covered, produced ouc hundred boxes of strawberries; the remainder of the bed, a few scattering

cisco, at which it was reported that the State would produce during the present season about 1,500,000 gallons of wine.

Time and labor, devoted to the collection of upon an old gardeu, renews its age. It has ples that have been headed up tight for a couple materials to be converted into manure, are the the same effect upon the garden as it was sup- of weeks or more, their appearance is fresh and most fruitful sources of profit in the whole posed the much sought, but never found, elixir good; but a few days' exposure causes them to range of farm economy.

LANDREHI'S RUBAL REGISTER AND ALMANAC is an unpre-tending pamphlet published annually by Messrs. B. Landreh the tending pamphlet published, and having bed annually by Messrs. B. Landreh the tending pamphlet published, and having bed annually of exposed the much sought, but never found, elixir good; but a few days' exposure causes them to range of farm economy.

# Advertising Column.

#### Rhode Island.

GRIGULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wrights and Cylinder Plows and Castings; Shares s Patent Harrows and orse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

ROAD SCRAPERS, made of old Car Wheels, for sale hy
W. E. BARRETT & CO.,
32 Canal Street, Providence, R. I

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the hest in use, for sale hy W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

### Massachusetts.

HAY FOR SALE.—From seven to ten tons of good Meadov Hay. ARNOLD TAFT, Mendon, Mass.

LUMBER FOR SALE.—Twelve to fifteen thousand feet of Chestnut Lumber—most of it two inch Plank.

ARNOLD TAFT,
Mendon, Mass.

(\*2w-1)

## Pennsylvania.

H. A. DREER'S SEED AND AGRICULTURAL WAREHOUSE,

..PHILADELPHIA.

Just published,

NREER'S WHOLESALE LIST, for the Trade only.

NREER'S FARMERS' AND GARDENERS' PRICE LIST. DREER'S GARDEN CALENDAR for 1867, with lists of Seeds, Plants, &c., and with brief directions.

Either of the above will be mailed on receipt of a stamp.

L ANDRETH'S RURAL REGISTER AND ALMANAC, FOR 1867, IS JUST PUBLISHED.

It contains many valuable hints on Rural Affairs, and will be mailed to all who ENCLOSE A TWO CENT STAMP, with their address.

DAVID LANDRETH & SON.

DAVID LANDRETH & SON, Agricultural Warehouse and Seed Store, Nos. 21 & 23 South-Sixth Street, Philadelphia.

GARDEN, AND FLOWER SEEDS.

WILLIAM HACKER, NO. 803 MARKET STREET,......PHILADELPHIA, Importer and Grower of AGRICULTURAL AND GARNEN SEEDS,

TREES, PLANTS, AND BULES. EFF Circulars on application. Country Merchants, Dealers, and Druggists supplied at the lowest rates.

DERUVIAN GUANOBAUGH'S

RAW BONE SUPER-PHOSPHATE OF LIME. BAUGH & SONS, Sole Manufacturers

BAUGH BROTHERS & CO., General Wholesale Agents,

181 Pearl Street,.....New York.

SUPER-PHOSPHATE OF LIME, AMMONIATED FERTILIZERS.

Offices, ( 42 South Belawsre Avenue, ) PHILADELPHIA. Established in 1848.

CLOVER, TIMOTHY, ORCHARD, HERD, and KENTUCKY BLUE GRASS SEEDS GARDEN SEEDS, Imported and American.

### new Jersey.

PURE BRED ALMERNEYS.—For sale, a number of Pure Bred Bulls, fit for service. Also, a few Alderney Cows, Heifers and Calves. C. H. SHINN, Haddonfield, N. J., and 232 Walnut Street, Philadelphia.

berries.

California Wine Production.—During last month a convention of the wide-growers of the State of California was held at San Franchise State.

Tountain Green Farm at Private Sale.—The subscriber will sell at private sele his Farm situate half a mile from Wrightstown, Burlington County, N. J., and directly on the line of the Pemberton and Hightstown Railroad,—the construction of which is about to commence. This Farm construction of which is about to commence, This Farm construction of which is about to commence. This Farm construction of which is about to commence, This Farm construction of the which is about to commence the farm construction of the which is about to commence the farm construction of the which is about to commence the farm construction of the which is about to commence t

MASSACHUSETTS ACRICULTURAL COLLEGE.—The Massachusetts Supreme Court has decided that the appropriation of \$50,000 hy the town of Amherst, in aid of the State Agricultural College is constitutional. The matter was contested by some of the tax-payers.



THE FARM AND FIRESIDE 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 Puhlisher will be to make a journal cuinently 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 its columns this journal will advocate the best interests of the farm and the fireside,

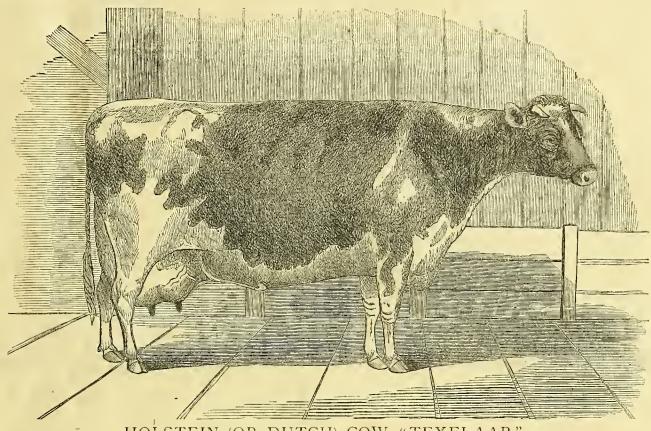


ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1807. BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT FOR RHODE ISLAND

VOL. 1.

## WOONSOCKET, R. I., SATURDAY, JANUARY 19, 1867.

NO. 2.



HOLSTEIN (OR DUTCH) COW, "TEXELAAR."

OWNED BY WINTHROP W. CHENERY, ESQ., HIGHLAND STOCK FARM, BELMONT, MASS.

[SEE ARTICLE BELOW.]

HOLSTEIN (OR DUTCH) CATTLE.

Written for the Farm and Fireside, BY AN AMERICAN BREEDER.

of eattle possess a combination of good qualities which recommend them to the farmers of not desire to keep Jerseys for butter, Short erage three pounds per day. Horns for beef, and Devons for work; it, Not the least valuable characteristic of the ties to a greater extent than other hreeds.

breed is eapable of producing mileh cows that will yield more butter, and incomparably more milk and cheese, than can be produced from eows of any other breed; working oxeu tractable as the Devon. Moreover, experience liar to our elimate.

easy, quiet dispositions, all conduce to dispell mals, and of perusing the statements of their any doubts that may arise upon this point.

It may be said that the Holstein.Cattle have Aside from their peculiar adaptation to the not been imported or bred in this country, in tion, and the committee cannot doubt that elimate and topography of a large portion of sufficient numbers, to warrant an estimate of the United States, the Holstein or Dutch race their value in comparison with other breeds. -It is, however, known that a six years old cow stock of the country. \* \* \* It is claimed labor, with all the best grapes before them, iuof this breed has produced, in this country, this country as superior to any other breed for over thirty-five quarts of milk in one day, and analysis proves it, that it is wonderfully rich in all purposes. They are, doubtless, inferior to eighteen pounds of butter in six days; while the constituents of cheese," &c. And the comthe Jerseys in the production of rich cream chemical analysis of their stilk here, and the and intensely yellow butter; nor are they su- experience of centuries abroad, prove them to perior to the Short Horn in the matter of pro- have no rivals in the cheese dairy. It is, also, 1864, state, in reference to the Dutch cattle on ducing the largest amount of ordinary beef in known that grade Dutch oxen have been raised the shortest time, provided the feed is super- in this country very superior for work, and atabundant; and, in some localities, where small taining to a weight of forty-six hundred lbs. to par excellence;" and that they "would constioxen prove satisfactory, the Devons answer a the yoke at five years of age; and the growth tute an object of prime attraction at any agrigood purpose. But, the general farmer does of calves has been found, by actual test, to av- cultural fair in the laud."

therefore, seems to be a pertinent question for Holstein cattle is the magnificent appearance setts, who is qualified by large experience to his consideration, whether there is not some they present to the eye of the connoiseur. breed of eattle combining these various quali- They rival the Short Horn in size and form; while the striking contrast of jet black and It is claimed that the Holstein or Dutch snow white in their color, render them, when grouped in the field or on the lawn, picturesque and beautiful, beyond comparison with any other breed.

Every interested person who has been presas large, strong, and well made, as the Short ent at the annual exhibitions of the New Eng-Horn, and as high-spirited, intelligent and land Agricultural Society for the last three years, must have been eognizant of the public has proved them to be admirahly adapted to appreciation of the Holstein eattle presented withstand the extremes of heat and cold pecu- for exhibition on those several occasions.— The committee appointed to judge of the mer-As to the fattening properties of this race of its of these eattle at the exhibition of 1864, ground bones, forty pounds of wood ashes, eattle, and their value as feeding stock, there stated their "desire to express the very great six parts of lime, and water enough to mix ean be no question. Their large size, great gratification they have experienced in survey- them well.

imuseular development, early maturity, and ging the fine proportions of these noble animilk-producing capacities. Their presence here has been a marked feature of the exhibitheir importation and infusion is to have, in the future, a most beneficial influence upon the for the milk of these animals, and chemical cluding the Iona and other new and highly apmittee on herds of eattle, at the fair of the Middlesex (Mass.) Agricultural Society, in exhibition: "They are eattle worthy of the land of their nativity-the land of the dairy

> One of the oldest and most respected farmers and stock-breeders of Eastern Massachube a discriminating judge, sums up the merits vey's Seedling among strawberries—the most of the Datch eattle in a published statement, in these words:

"After forty years experience, and trying almost every breed of cattle that eame within my knowledge, I think the Dutch breed excel all other breeds in three points; first, for early beef; second, for working oxen; third, for large quantities of milk."

January, 1867.

As a good food for plants, a Russian chemist recommends the use of forty pounds of made with the grape?"

# THE CONCORD GRAPE.

The committee appointed by the Horticultural Association of the American Institute to award the Greeley prize of \$100 for the best grape for general cultivation, have bestowed it upon that old aud well known variety, the Concord. This has been done after two years' planded sorts. In speaking of this decision, Mr. Hovey, in the December number of his Magazine of Horticulture, writes as follows:-

"No doubt this decision will have the hearty concurrence of the majority of grape growers throughout the eountry. That there are better grapes, viewed simply as to quality, few will deny-but that any grape possesses so many excellencies, neither will any deny; and for hardiness, vigor, productiveness, freedom from mildew and general quality—it stands among grapes where the Baldwin does among apples -the Bartlett pear among pears-and the Hodesirable variety, adapted to all soils and situations; ripening its fruits from Maine to Georgia, and finding its way to the market in such abundance, and at such reasonable prices, that all who love grapes can have their fill. The Concord is, in fact, the only perfectly hardy, good grape that has yet been produced. Upon this subject we shall have something to say in a future number. It is time that the term hardy should be defined. A pear tree or an apple tree that requires protection in winter we should not eall hardy; shall any difference be

THE eotton erop of Egypt the past year is estimated at 100,000,000 pounds.



QUINCES.—The best variety of the quince is the Orange, of which there is a large and a very fine sub-variety known as Rea's Seedling, which may be had Ounces.—The best variety of the quince is the Orange, of which there is a ringe add a very line day through the distance of the best time for planting is in the autumn of spring—the distance asunder will be about ten or twelve feet, which will be found near enough for full grown trees, on a deep, rich, and well treated soil. The quince needs judicious pruning by thinning out crooked, needless or crowded shoots, and leaving a well distributed, symmetrical head, on a short, single stem .- Country Gentleman.







# Fireside Suggestions.

#### FARMERS' CLUBS.

Written for the Farm and Fireside, ALEXANDER HYDE, LEE, MASS.

For the intellectual culture of the farmer and his advancement socially, as well as in his calling, we estcem "Farmers' Clubs" as of the first importance. We have long felt convinced that it is the isolated mode of life of the husbandman, that is the great drawback in his efforts to attain that great social position to which he is entitled by his moral worth and intellectual strength. Plodding alone in his field day after day, and coming in contact only with his hired men, generally of capacity and acquirements inferior to himself, how is his mind to be polished? Diamoud alone can polish diamond; and it is mind alone that quickens and stimulates mind. Books may go far to enlarge and strengthen intellect, but have been cultivated; and the result has heen, hooks alone do not put on the polish. Man must come in contact with man, and if views better farmers. We commend the "Club" as clash and differ, all the hetter for the polishing process. The intellect of the solitary farmer is much like his axe before it is ground. It 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 remark 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 made into the needle of the mariner's compass; but in order to do this, it must come in contact with other iron; must be tried as by fire, hammered, filed and polished. The farmer thinks as he follows the plow, but the current of his thoughts runs sluggishly. We are all thinking, all the time, awake or asleep; but how dull, dry and prosy our thoughts arc if we habituate ourselves to solitude day after day. The farmer sits before his kitchen fire of a winter evening and his dog stretches himself at his feet, both silent, both musing while the fire hurns, and the plodding wife may sometimes wonder whether the musings of the one amount to more thau those of the other. Let a ueighbor come in, and the man wakes from his reveries and begins to think with some acuteness; and if the neighbor has life and warmth, it is sure to be communicated, for caloric has no greater tendency to equilibrium than has mental vigor. Whenee comes the keenness of the city newsboy? He has bad poor opportunities for education, but has been acted upon by the salt. he is bright, quick at repartec, and if he does not fall into the slough of vice, pushes on to distinction in the world. His keenness is solely the result of mental contact. Just what the farmer wants, the newsboy abounds in. The one is educated by cattle, crops, brooks, trees, a weekly newspaper and the Sabbath sermon -all excellent 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 swer to the question. Whirled and tossed for tained. an indefinite period among its fellow-sands, it had finally assumed this symmetrical form .-Quartz had polished quartz. The stone might The simplest method of sharpening a razor or have been whirled and pressed among books other edge tool, is to place the blade for about for centuries, and it would not have received this form and polish. Now the "Club" is just of its weight of sulphuric or muriatic acid. the place for the farmer to get this rubbing.-Let him compare notes and observations with his fellow-farmers, and his mind will be ex-

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 kindled into a glow quiekly. If elashing views are presented, sparks of truth are sure to flash out. All wisdom is, fortunately, not in one head. The wisest man in the country can learn something from common folks. It should be the duty of every member of the Club to communicate his share of knowledge. Let every man come with his gun loaded, and take aim as he fires; and ignorance, prejudice and narrow coneeit cannot 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 operations 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 head been benefited, but the heart has been made better. The sweet charities of life with than barley and maize meal, mixed tobetter neighbors and better citizens, as well as one of the means of modern eivilization.

January, 1867.

#### PRESERVING MEATS.

THE following is the Knickerbocker Pickle, as given by Judge Buel in the Albany Cultiva tor for October, 1865. We have tried it ourselves several times with good success, using, however, only about half an ounce of saltpetre instead of three ounces, as recommended.

Take six gallous of water, nine pounds of salt, three pounds of coarse brown sugar, one quart of molasses, three ounces of saltpetre, and oue ounce of pearlash-mix and boil the whole well, taking care to skim off all the impurities which rise to the surface. This constitutes the pickle. When the mcat is cut, it should then be laid ou, and a weight put on it, in order to keep the meat at all times covered pickle must be turned off, boiled with some adcold returned to the cask.

not be salted the day the animals are killed, but kept until its fibre has become short and ten-

SALMON HATCHING IN EASTERN RIVERS. We learn from the Manchester Mirror that the salmon spawn deposited in Baker's River, N. H., some time 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 hatching had commenced.-A peculiarity noticed by Mr. Clement is that ia, or rather, there it first secured an acquaintas soon as they hatch they work down through ance with eivilized man. Onions, too, are onthe pebbles on to the sand, and that it requires polished minds can only come from intercourse careful searching to find them. There is now hoped that in poetic justice, research would with meu. We were shown, recently, a only oue question to be settled before the theo-prove this pathetic bulb to have sprung from quartz stone, picked up in a gravel bank, ry of stocking our rivers with salmon shall be the land of Niobe. But no; Egypt stretches and the question was asked, "how could this established as a certainty, and that is in regard forth her withered hand and claims the onion hard stone have had its rough corners rubbed to the fishways. If they shall be so construct as her own! Maize and potatoes, thank Heaoff, and be fashioned and polished in this man- ed as to make it practicable for the fish to find ven! can mock us with no foreign pedigree. ner?" We could only point to the sand and and pass over them, but few years will elapse They are ours—ours to command, to have and cles to a bushel may be of interest to our readgravel from whence it was taken, for an an- before the object in view will have been at- to hold, from time's beginning to its ending, ers:

EASY MODE OF SHARPENING EDGE TOOLS.when its thoughts are finding vent in speech. are often improved by it.

#### FEEDING AND FEED FOR PIGS.

Mr. S. G. STEARN, a celebrated English breeder of pigs, describes his management of 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 wetted with cold water, and then scald it with boiling water, and sprinkle it with salt. What is mixed one day is used the next, thus giving sufficient time to allow the food slightly to fermeut and cool sufficiently to feed with. This is my winter plan, but in the summer I mix all with cold water, and feed with cold food. Between meals I give them whole maize, and mangold wurzel or swedes cut small, a little eoal and soil occasionally, and allow them plenty of clean water. When pigs are put up gether 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 certain that the eottagers would find their pigs fatten a great deal faster if they would wash and brush them, and feed them with warm food, iustead of with food all ice; and that they would he well paid for any little extratrouble it might cause them. They should also be fed two or three times a day. Goodbred and well-fed store pigs will always consume the refuse which a bad-bred one would refuse."

#### ORIGIN OF VEGETABLES.

GARLIO came from Sieily, where, for my part, wish it had stayed. Beaus blossomed first within sight of embryo mummies, in the land should be slightly rubbed with fine salt, and for the Sphinx; and the egg plaut first laid its suffered to lay a day or two, that the salt may glossy treasures under the African sun, and extract the blood; it may then be packed tight Southern Europe gave the artichoke and the in the cask, and the pickle, having become cold, beet. To Persia we stand indebted for peachmay be turned upon and should cover the es, walnuts, mulberries and a score of everymeat. A follower, to fit the inside of the cask, aday luxuries and necessities; to Arabia we owe the cultivation of spinach; and to Southern Enrope we must bow in tearful gratitude with pickle. The sugar may be omitted with-for the horse radish. At Siberia the victims of out material detriment. In the spring the modern intemperance may shake their gory locks forever-for from that cold, unsocial land ditioual salt and molasses, skimmed, and when came rye, the father of that great fire-water river which floated so many jolly souls ou its For domestic use, beef and pork hams should treacherous tides, and euguifed so much of humauity's treasure. The chestrut, dear to squirrels and young America, first dropped its burrs der, as these changes do not take place after it on Italian soil. Who ever dreams, while enjoying his "Bergamotto," his "Flemish Beauty," or his "Jargonelle," that the first pear blossom opened within sight of the Pyramids? Aud what fair school girl of the pickle-eating tribe, dreams of thanking the East Indies for cucumbers?

> Parsley—that prettiest of all pretty greens, taking so naturally to our American soil that it seems quite to the manor born-is only a sojourner among us. Its native home is Sardiuly naturalized foreigners in America. I had though England and Ireland hluster over "corn" aud "praties" till they are hoarse.

How to KEEP MEAT FRESH. -As farmers are half an hour in water containing one-twentieth at a distance from meat-markets, the following directions for keeping meat may be of use to pounds; beans, sixty pounds; hran, twenty Upon taking the razor out, wipe it off lightly those that try it:—Cut the meat in slices ready pounds; clover seed, sixty pounds; timothy on a piece of soft rag, and in a few hours after- to fry; pack it in a jar, in layers, spriukliug ward "set" it on a strop. The acid supplies with salt and pepper just enough to make it pounds; hlue-grass seed, fourteen pounds; panded and brightened in spite of himself. — the place of a whetstone, by corroding the en-palatable; place on the top a thick paper or dried peaches, thirty-three pounds. He must attend the Club, not mcrely as a pastire surface uniformly, so that nothing hut a cloth, with salt half an inch thick; keep this sive listener and receiver, but as a speaker; good polish is afterwards needed. This pro- ou all the while. I have kept meat for three and it is wonderful how fast the mind operates cess never injures good razors, while poor ones weeks in the summer, and the last was as good has lately ripened a second crop for the year. as the first. A FARMER'S WIFE.

#### WHAT A CUMBERLAND FARMER IS DOING

RUMOR having told us that there were some very large and very fine cattle to be seen at the barn of Mr. Renselaer A. Jillson, about two miles from Woonsocket, we went over there on Wednesday to see them, for we are an admirer of the bovine race. For once Madame Rumor spoke the truth. We saw fifty-five head of steers in his barn, all in the process of being made into marketable beef. Some of them are the finest cattle over seen in this section of the country. There are five from Ashland, Kentucky, the homestead of Henry Clay, the statesman who, like Daniel Webster, was too great to be President. Three of these steers are monsters in size, averaging two thousand pounds each, live weight, and five years old. They are perfectly white and comely as any horned animal that we rememfor fatting, I find nothing better to feed them ber to have seen. We regret to say that they are doomed to an early death, two of them having been engaged by Messrs. Hall & Rankin, of Blackstoue; and the other by Mr. Benj. Phetteplace, of Provideuce.

Mr. Jillson, who is one of our best and most enthusiastic farmers, has gone into the cattle trade for two purposes: 1st, he wants to enrich his farm with manure, of which he will have one hundred and fifty cords next spring; 2d, he designs to furnish butchers with first quality beef. He slaughters and dresses the animals on the premises, having recently erected a model slaughter house, 44 by 28 feet. The hutchering is under the direction of Mr. Augustus Addlington, who hrings to the work long experience. We saw twenty-five beef eareasses hanging 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 weather. We noticed that all the various departments, including the barn (80 by 40 feet), were exceedingly neat and orderly.

Mr. Jillson commenced this cattle trade in September last, and he has had over three hundred head on the premises siuce that time. He designs to make the fattening and butchering of first-class beef a specialty, and we trust he will receive patronage sufficient to make it remuueretive. The business must greatly enhance the productiveness of his farm, of which we shall speak particularly on some future oecasion, - Woonsocket Patriot.

HINT TO MILKERS.—If you have a cow that annoys you by whisking her tail in your face, while milking, as some do, I give you a simple

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 hold 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 over the cow, or a little to her left, having the string short enough to raise the brush of the tail about a foot. The same hook can be used for any number of cows that have this disagreeable

This is a simple but effectual remedy, and well worth knowing by any milker, who would keep his temper and his clean collar. -Country Gentleman.

What Makes a Bushel.—The following table of the number of pounds of varie

Wheat, sixty pounds; corn, shelled, fiftysix pounds; corn, on the cob, seventy pounds; rye, fifty-six pounds; oats, thirty pounds; barley, forty-six pounds; buckwheat, fifty-six pounds; Irish potatoes, sixty pounds; sweet potatoes, fifty pounds; onions, fifty-seven seed, forty-five pounds; hemp seed, forty-five

A MARYSVILLE, Cal., early June apple-tree It blossomed for it in October.



Commercial Value of Insects.—Great Britaiu pays annually \$1,000,000,000 for carcasses of that tiuy insect known as cochineal; while another, also peculiar to India, gum shellac, or rather its production, is searcely less valuable. More than 1,500,000 human beings derive their sole support from the culture and manufacture of the fibres spun by the silk worm, of which the annual circulating medium is said to be \$200,000,000. In England alone, to say nothing of other parts of Europe, \$500,000 are spent every year in the purchase of honey, while the value of that which is native is not mentioned, and this is the work of the bee. Besides all this, there are gall nuts used for dyeing and making ink; cantharides, or Spanish fly, used in medicine.







# Riverside Papers, Na. 1

#### HOW TO IMPROVE FARMING.

Written for the Farm and Fireside. BY A RIVERSIDE FARMER.

Riverside, Jan. 15th, 1867.

WE read of a Riverside Park, a Riverside Press, and a Riverside Magazine; why shouldn't there be Riverside papers, on Riverside themes, by a Riverside correspondent? Of course there should; and as we happen to enjoy a paternal home in a famous valley, and fancy we have a correct rural eye, if not cyrie, we venture a few observations, promising that whenever the editorial intimation comes of "nuff-ced," we shall suddenly "dry up," it not disappear alto-

For such a necessary business as agriculture, there is a great deal of waste and neglect and in 1866 may he estimated at 180,000,000 bushignorance about it. The best informed make els. The crop of 1859 was 173,000,000, and egregious blunders, and the most experienced often grope for the wall. It isu't to be wondered at, therefore, that uovices flutter, singe their wings, get hewildered, and occasionally perish. Farming requires multifarious wisdom, skill, taet, industry, foresight and prudence; and the more thoroughly these are wrought into the farmer's life, the higher is his development, attainment, and pecuniary success .-There are those who think any farm a paradise, every farmer a king, and wonder why all those who can cultivate a rood, can'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-life is monotonous?—that the farmer is literally slavish?—and that, all over the country, it is an exceptiou rather than a rule, for a farmer, from the profits of his farm, to pay an income tax? Such is the result of our observation, but such should not 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, docsn't pay. Deduct taxes, labor and interest ou investments from a crop, and in very many cases there is nothing left. Even tohacco, onee the pet source of profit, is not an exception, for the two last crops have been slim and dull of sale.

What can he done for the improvement of our agriculture?

Our first suggestion is, don't waste anything. The commou farmer 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 nothing edible trampled under foot? When these, and numerous other questions can be answered in the affirmative, one important step is taken in the path of improvement. Secondly, don't neglect any thing. Whatever is worth doing at all, is worth doing well. He who keeps a little ahead of bis work, is most truly forehanded. Shiftless management is always demoralizing. Lastly, read, write, and reflect more. "Keep posted," at bome and abroad, and attend closely to your own business. Take an inventory once a year. Count up all the tools, and fix values upon every thing. Keep out of debt, and beware of paying interest money. The difference hetween paying six per cent. and receiving it, is twelve per cent.; and there is no known method of farming that ean long withstand such a pressure. Informaaud experience are what the farmer wants aud these, with care and prudence, will be the stepping-stones to success. The culture of the man in farming, is often lost sight of by looking at grosser and more material objects; 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

A CAREFUL examination of all the laborfact that the days of hard, life-destroying lahor bury. on the farm are about being uumbered, and that in rural life there are to be greater opporment and practical progress.

#### AGRICULTURAL COMMISSIONER'S REPORT.

The following statistics are from this report u relation to crops east of the Rocky Mountains, and north of Virginia, Tennessee and

The wheat erop of 1863 in the twenty-two States reported was very large; in 1864 the estimate was, in round numbers, 13,000,000 hushels less, or 160,000,000; in 1865, 148,000,-000; and the present estimate is still further reduced to 143,000,000. Returns from the eleveu Southern States, so far as received, warraut an estimate of 170,000,000 for that seetion. Texas has produced a large crop; the other Southern States less than half the average product. The erop of the Pacific States is very heavy, leaving a far greater surplus for export than the entire amount of the erop of 1860. From all the data received in the department the total amount of wheat produced that of the present year, at the ratio of increase from 1850 to 1860, should have reached 242,-000,000. The supply is about five bushels to each inhabitant, or half a bushel less thau in

The corn crop is unoderately large in quantity but deficient in quality, and may be estimated at \$80,000,000 hushels, ahout 40,000,000 more than that of 1859. It would have been an excessive product but for the retarding influence of eool and rainy weather, and the consequent damage by frosts. In some Sonthern States the injury from early frosts was severe. While there will be a sufficiency of food for man, the supplies for the domestic animals will be unusually abundant. The hay crop, slightly deficient in some sections, is large in heifer calves should be abandoned; "must be, gardens and the yield of potatoes and other value roots are also in excess of former years.

Of the cotton crop the Commissioner says: The cotton crop has suffered from labor derangements, alternate rains and droughts, inseets, and the previous neglected condition of the lands. Before the picking commenced, somewhat more than one-third of the erop of 1859. Ravages of insects and other causes have since rendered probable a reduction to 1,750,000 bales of 400 pounds each.

Farm stock, as estimated in the eleven late Confederate States, for 1866, as compared with 1860, gave the following results:

Of horses, 68 per cent; mules, 70 per cent; eattle, 65 per cent; sheep, 80 per cent; hogs, 56 per eent; showing a decrease, consequent on the war, of 32, 30, 35, 20 and 44 per cent. respectively. The total number of these domesticated animals of the cleven States as above, is reported as follows: Horses, 1,183,-488; mules, 518,076; cattle, 6,950,408; sheep, 4,009,736; hogs, 8,822,240.

In the Western States the numbers are given as 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 inerease in average of crops is shown from 1863 to 1865 to be 2,471,000 acres, with an increase in ecreals and potatoes of 228,501,280 bushels, and a decrease in the total value of these produets, of \$359,301,854—a nominal decrease, as supposed, though the Commissioner makes no reference to this fact.

### VERMONT AGRICULTURAL SOCIETY.

The annual unceting of this Society was held at Rutland ou the 2d inst., when the following board of officers were elected for the year ensuing, viz: President-John Gregory of Northfield. Vice-Presidents—Henry Keyes of Newbury, Henry G. Root of Bennington, Springfield. Secretary—Henry Clark of Rutland. Member of the National Wool Grow-

It was voted to change the name of the Sotural Society and Wool Growers' Association." through the season easier than they. Their place, and preserved for use on the crops.

more protection to the business of wool-growing, and a memorial on the subject of the tariff, as affecting agriculture, was adopted.

The address at the next annual meeting will, by invitation, be delivered by Joseph W. Colburn, the retiring President of the Society.

# Stock Raising.

#### FARM STOCK REPORT.

From a late number of the monthly Report of the Commissioner of Agriculture it appears that there is much less farm stock in the country than in 1860, in proportion to the population, and prices are much higher, and probably will remain so for some years, on account of the searcity throughout the country, particularly at the South; and the increased foreign demand for our salted meats and the products of the dairy. There is no exception to this but in relation to sheep. They have increased from 28,647,269 head in January, 1865, to 32,-695,797, in Fehruary, 1866, and are cheaper uow than they have been for years past. The increase has been in the loyal States.

The statistical tables as to farm stock point out the direction which the market demand for it must take for some years to come. The great scarcity of all stock used in the South, particularly mules and hogs, will guarantee profitable prices for a long time. No farmer can mistake his interest in giving increased attention to the improved hreeding of horses, cattle, and especially cows. The improved blood introduced will add 25 per cent. at least to their market value. The practice of killing others, and of more than average quality; and says the commissioner, if we expect to meet the estimated total product of oats is sixty per the demand which Great Britain and our home cent. greater than in 1859. The products of market make for butter and cheese. The total

te or rarin	SLOCK III 1	e enruary,	1000, was:
Horses			.\$326.885.813
Mules			25,039,839
Cattle and ox	en		210,778,136
Cows			
Sheev			146.425.697
Hogs			120,673,158

Surely, these figures show that greater attention to the improvement of our breeds of eatthe indications, from official data, pointed to the and other stock is a matter of vast moment, and should be earnestly pressed upon the con-

### PROFITS OF VERMONT SHEEP HUSBANDRY.

sideration of farmers.

A correspondent of the Springfield Union, writing from Cornwall, Vt., says:

Henry F. Dean has a 300 aere farm, and 140 Spanish merino sheep, valued at \$40,000.-Rollin J. Jones has a farm of 600 acres. His flock is 125, valued at \$40,000. F. H. Dean. 350 acres; 150 breeding ewes, valued at \$500 each, \$75,000! Don't doubt it, for he has been offered \$1000 each for five of them and \$7000 last year for a four years old buck, wbieh has since earned him \$4000. California gold unines can't compare with that. Merrill Brigham, 400 aeres; flock, 300 thoroughbreeds, valued at \$51,000. Simon S. Rockwell has a flock of 300, valued at \$30,000 in the last four years. Joel Randall 500 acres, and 250 "the best of blooded sbeep," value not stated. He sold a two years old buck reeently for \$3000. These men think it most profitable to stick to Vermont themselves, and let their sheep migrate to the West, to the South, to California, and to every other country that can raise gold enough to pay for the These are the wise men of Cornwall.

### WINTERING COLTS.

A save shed or stable is best for wintering eolts, provided they be halter-broke, which they should be before winter sets in. They will eat all sorts of coarse food, but should the benefit of ourselves and our fellow-men. agriculture be improved, elevated and made to Henry S. Moss of Shelhurne, Victor Wright of have a little grain or meal, according to their Middlebury. Treasurer—Jos. W. Colhurn of size and age. They should, if convenient, run out a part of the day. They love to forage on a eattle dung-heap, and piek out the waste saving agricultual machines, establishes the ers' Association—Edwiu Hammond of Middle-liliter. Let them have all they want of it, as it is a healthy variety for them. A dry pasture, when snow is off the ground, is a good change eiety, in accordance with the act of the Legis- for them also. We have wintered many colts ashes and lime sprinkled over the floor every tunities for leisure, for intellectual improve- lature, to that of the "Vermont State Agricul- in our farming, and found that nothing got week. Let the manure be put away in a dry

Resolutions were passed asking Congress for hair gets long and sometimes rough. No matter, there is a close fur under it, and it keeps them dry and warm, and they are all the better in the spring. Enough to eat, with good shelter, is all they want to keep them healthy and growing. But they should not run out with the cattle, as they are liable to get hooked, while they, in turn, drive the cattle from their food. Every one to his own kind in the farmyard, as in other appropriate places.

# The Paultry Yard.

SINGULAR FACTS IN THE FORMATION OF THE CHICK IN THE EGG.

Scarcely has the hen sat upon the eggs twelve hours before some lineaments of the head and body of the chick are discernible in the embryo; at the end of forty-eight hours the heart begins to beat, but no blood is to be seen. In a little over forty-eight hours, we may distinguish two visieles with blood, the pulsation of which is evident, one of them being the left ventriele, the other the root of the great artery; soon after, one of the auricles of the heart is perceptible, in which pulsation may be remarked as well as in the ventricle.— So early as the seventh hour, the wings may be distinguished, and, on the head, two globules for the brain, one for the beak, and two others, for the front and back part of the head. Toward the end of the fourth day, the two aurieles are distinctly visible, and approach nearer the heart than they did before; ahout the fifth day, the liver may be perceived; at the end of one hundred and forty-eight hours, the lungs and stomach become visible, and, in a few hours more, the intestines, the veins, and the upper jaw. On the seventh day, the brain begins to assume a more consistent form; and in one hundred and ninety bours after incubation the beak opens, and flesh appears on the hreast. In two hundred and ten hours, the ribs begin to form, and the gall bladder is visible. In a few hours more the bill is of a green color, and if removed from its covering is seen to move. The feathers begin to shoot about the two hundred and fortieth hour, and, at the same time, the head becomes cartilaginous; in twenty-four hours more the eyes appear; at two hundred and eighty-eight hours the ribs are perfected; and at the three hundred and thirty-first hour the lung, stomach, and heart assume their natural appearance. On the eighteenth day of incubation, a faint pulsing is heard. It then increases in size aud strength till it emerges from its prison. By so many gradations does the wisdom of God conduct these creatures into life. All of their progressive evolutions are arranged in this perfect order. If the liver is formed on the fifth day, it is from the preceding state of the chiek. No part of its body could appear sooner or later without some injury to the embryo, each of its members appearing at the most convenient moment. How admirable is that principle of life, the source of a new being contained in an egg, all parts of the aminal being invisible until they become developed by warmth.

Another remarkable fact is that the chick, when it breaks from the shell, is heavier than the egg was at first, and that all of these forms of blood, feathers, and muscle, are seemingly one liquid body, until heated to a proper temperature and to a certain time, to make their organism perfect. So much for microscopie investigations of the curious. Much might be asked concerning the formation of animal bodies, which at present is impenetrable. Let this not discourage us, but let us make good use of the knowledge we are permitted to acquire, and by this we shall discover the wisdom of God, who employs us for

FOOD FOR CHICKENS. - After crumbs of bread and egg, feed oat-meal or barley-meal, slightly moistened with new milk or water, and eurd chopped small, for some days.

POULTRY Houses should be kept elean, and



The Cattle Plague in Holland.—90,000 Animals Attacked—40,000 Dead.—The Dutch Minister of Internal Affairs has presented his second report on the cattle plague to the king. It appears from it that since June, 1865, when the plague first appeared in Holland, 90,469 head of cattle have been attacked by it. Of these 39,595 died, 17,460 were killed, 32,080 recovered, 1,403 remaining under treatment on December 3, the date of the report. The total of losses accordingly amounts to 55 1-5 per cent. of those seized. Nearly two-thirds of the whole perished in the province of South Holland, nearly one-third in Utrecht, and the small remainder in North Holland.







## The Farm.

#### WINTER MANAGEMENT OF MILCH COWS.

Written for the Farm and Fireside, BY II. THAYER, BLACKSTONE, MASS.

With the prevalent high price of dairy products, as well as the extremely high prices of all feeding materials, farmers are, more than ever, interested in any system of feeding or management, that will economize feed, or increase the products of the dairy. The quantity and quality of food must, principally, regulate the yield of milk. But there are other influences-although they may be said to be secondary—that will exert no trifling influence in regulating the yield of milk. The care and general management of the cow, will have more influence than many would imagine.-The business must be reduced to a perfect system, if we expect to make it profitable; have a stated period for every operation, -feeding, watering, milking and carding—and never allow other matters to draw you from your purpose. If, by proper management, the milk can be increased, it is very unwisc, in these times of high prices, for the farmer or dairyman to ignore the fact. That these influences are efficacious, no one eau doubt after having given them thorough thought.

#### FEEDING.

Feed liberally and at regular hours. A cow soon learns when feeding time comes, and will be restless and uncomfortable until her appe tite is gratified. Few are aware of the importance of regularity in feeding. The cow, to yield her greatest quantity, must be kept quiet and comfortable; this cannot be done without observing the strictest regularity. Cows that are fed only at set hours, eat their feed, and then lie down and take their rest, until the next feeding time arrives. Their full udders, at milking time, is evidence that they enjoy regular feeding. Cows that are fed upon the hap-hazard system are never quiet. Whenever a person enters the barn, they are npon their feet; for they are always looking for food at the sound of every footstep; restless and dissatisfied, is it reasonable to suppose that such cows will answer the owner's expectation at milking time?

Hay alone, although regarded as the most essential food for all neat stock, will produce but a limited flow of milk. Hence, in order to bring a cow up to her full capacity, she must be fed with some more concentrated or milk-producing food. It is uo economy to feed npon hay alone; without question, a cow can be kept at less expense upon a variety of food, as grain and roots, with hay, than upon hay alone; besides, a cow would be more healthy, in better flesh, and more valuable.-The dairyman must determine for himself what quantity of food his eows require-as eows vary greatly in their capacity for food. What would be moderate food for oue cow, might soon rnin another. We will not attempt to specify, in this article, the kind of feed most valuable; that point can be easily determined by the feeder. Our object is chiefly to strive to couvince cow-keepers of the vast importance of system in the management of milch

### WATERING.

Cows in milk require an abuudance of water. morning, ucon and uight-is not too often .crease their milk, at least four quarts. Refeeding.

### MILKING.

the quantity. A slow, carcless milker will ob- may be kept in milk two or three months.-

kindness than by severity.

#### CARDING.

the care of cows. When accustomed to it, they are almost as anxious for an application of the eard or brush, as for their feed. Have you not seen cows cease eating at the sight of the eard, and stretch out their necks to receive the welcome stroke? An operation so pleasing must be beneficial; besides, it keeps the cow clean and sleek, which well repays the owner for his labor. Twice a day is none too often to use the card, when confined to the baru in the winter. Cows that are frequently carded, will keep in better condition and yield more milk than cows that go uncarded.

#### SHELTER.

Protect from cold and wet. The last consideration is a most important one in the management of milch eows. You may feed liberally, water regularly, and do all else that you can to promote their comfort and welfare, and yet, if you neglect to provide warm and comfortable stables, your cows will never thrive, and yield as liberally of their treasures. Provide stables for your cows where you can milk, in the coldest weather, without any inconvenience from the cold, or where you might, yourself, pass a night with comfort.— Keep your cows stabled night and day, in severe weather, only letting them out long enough to drink, one at a time, immediately returning them to their quarters. Never allow a current of cold air to fall directly upon them -keep the stable clean and tidy. Of course, a close stable should be well ventilated; but in such a manner as not to permit the cold current to reach the eows. Kept in such a stable, cows will consume much less food than when kept in a stable where a chicken could ereep through the cracks. They require no extra food to sustain the fire within to resist the outward cold. Every observing farmer knows that his eattle consume much less fodder in warm than in cold weather; but perhaps he never thought that the extra food was demanded to sustain the greater animal heat. The farmer who provides the comfortable quarters we have described, and otherwise cares for his cows, will make the business profitable. But the farmer who treats his cows as though they were iuanimate things, and without system or regularity, will find it an up-hill business; and the sooner he disposes of his cows and quits the dairy business, the better for his own inter-

## DRY COWS.

In your greater attention for your fresh milkers, do not neglect your summer eows.-They now begin to wane so much in their milk, aud your fresh-milkers consume so much food, you feel you cannot afford to feed cows giving so little; so you send them off into some obscure corner, and feed on your poorest fodder, and you think it of little consequence whether they are ever carded, watered or stabled. You allow them to stand around your barns, exposed to the cold winds and storms, pay even the cost of their miserable winter's a colder retreat, sufficient to freeze it, the The manner of milking will materially affect feed. If these cows are well cared for, they worm will never emerge from the ball. tain less milk than the rapid, energetic milker. Give them the same treatment recommended balls of earth which contain the worm, while Always milk as rapidly as possible, and at reg- for your milkers,—observe the same regularity passing through its chrysalis state. They are ular hours. A cow with a full udder suffers in milking, feeding, watering and carding-

tions; for no well-trained cow, when milked sleek and plump, so that you will not feel by a kind milker, will change her position till ashauned to take a neighbor to inspect your the milking is over although she may suffer eows; and, in the Spring, they will be in a much from her eramped position. Milk clean, condition to afford you a profit. Roots are but do not get the cow into the habit of strip- more suitable for cows in ealf than grain alone. ping. Always speak kindly, and treat gently, No farmer who makes dairying a specialty, for it is easier to control the gentle cow by should be without a supply of roots; some one or all of the varieties used for feeding purposes,-mangolds, carrots, parsnips, turuips or Carding is a duty, too much neglected, in potatoes. These are all excellent food, as they are laxative, cooling and milk-producing .-Says some onc: "These things sound very well, and may be important, but who can take so much pains?" Friend! if you cannot afford to take such pains with your cows, you had better not keep them; for there will be no profit, especially in winter. Every department of farm labor can be reduced to a perfect system; and the farmer that adheres the closest properly performed, very few worms will to system in the care of stock, will be the reach the surface, but few eggs will be hatched, most prosperous.

January, 1867.

#### FALL PLOUGHING AS A REMEDY FOR THE CUT-WORM.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

For the last three months onr agricultural journals have devoted more or less of their pace to the discussion of the above subject.— All the correspondents seem to agree in the ppiniou that the good effects of Fall plowing, iu the destruction of the cut-worm, or prevention of its ravages, is due to the action of prevent the ravages of the cut-worm, some frost; and, as far as my notice has extended, no other cause for the good effect has been ad-

Having for the last three years given considerable attention to the habits of this pest, I have thought that a small space in the Farm and Fireside might not be misapplied when occupied by the thoughts of a practical farmer.

The supposition of the above-mentioned correspondents seems to be that the egg is deposited at a considerable distance from the surface; and hence, when the furrow is turned over, they are brought nearer the surface. A little examination into the habits of the fly which produces the egg, or embryo cut-worm, will show that it is not adapted to seek this kind of deposit; on the contrary, it will be found, upon careful investigation, that the fly deposits its eggs very near, and sometimes on, the surface of the ground; and hence, when the furrow is turned over, the egg in reality becomes more deeply buried, instead of being brought nearer the surface.

The egg is deposited at or near the surface during the Fall, and remains dormant during the Winter; but, if undisturbed, is hatched by the early, warm days of Spring. Now, all know that air and heat are necessary for the hatching of the egg, and if turned under a deep furrow, it can obtain but little of either; and will not produce the worm as it would have done had it remained at or uear the sur-

We seldom or never have a Winter during which the frost does not penetrate much more than "furrow deep;" and hence, the frost vitality of the egg at the depth of one inch as found that if the eggs are removed to a warm overlooking his district, "There," said he, As it is desirable that they should drink but or to wander over your fields, striving to draw room, or a box of earth, in the window, they "wherever you see those patches of white sparingly at a time in cold weather, they a little nutriment from the faded grass, or else will hatch in from two to three weeks after mist I have frequent illness, and if there is a should be watered often. Three times a day—shivering in some fence corner. It requires their removal. The worm, if fed on cabbage cess-pool or other unisance as well, I can recklittle sagacity to predict the consequence of leaves (of which it is passionately fond), will on ou typhus every now and then. Outside Never water immediately before milking, as it such negligenee. By the middle of December in the course of three or four weeks reach its these mists I am rarely wanted." will sensibly diminish the milk. In severely they entirely fail in milk, become pinched up full size, barrow about two inches under the cold weather, it will pay well to take the cold and hide bound; and by the first of April look soil, and after forming a ball of earth (from a chill from the water. A kettleful of boiling more fitting for the bone-man than for the secretiou from the surface of its body), will go water will warm drink for eight cows, and in- farmer's dairy. Brother farmers, such treat- into its chrysalis state, occupying about one ment of our summer cows is not economy. If month in a room with the temperature of about member, regularity is as important here as in we cannot treat them otherwise, we had better sixty degrees. If allowed to remain in the give them away, for such skeletons will not room for a week or two, and then removed to

In plowing in the Fall, I have often found the usually from three-quarters to an inch long, from delay, and her milk will be sensibly dim- give them a few roots daily, and occasionally a and from one-quarter to three-eights in diameinished. See that the cow stands in a comfort- feed of Indian meal, and they will give you ter. Their upper surfaces will be found to be Fire side will be sold at all News Offices. Single copy, 5 cents.

able position hefore you commence opera- milk enough to pay for the extra feed, look impervious to water, but a small spot, about one-half an inch long, on their under surface, will be found not to be water-proof. When I have removed these chrysalis from the field to my experimental box, I have always found that when they were placed in the position in which they were found, the process went on as usual, and an occasional soaking of the soil did not seem to produce the least effect on them; but when their position was reversed, and the teuder spot brought uppermost, it put a complete stop to all further development.

> This furnishes as with another reason for the success of Fall plowing, viz: by the operation of plowing we reverse the position of the sod, and, consequently of the chrysalis and egg, bringing the nou-water-proof part uppermost, and allow the water free access to it .-If the operation of plowing is carefully and and the worms from these few will seldom be able to reach the surface; for when young, they are very teuder and soon perish unless nourishment is close at hand.

> The opponents of Fall plowing agree that they produce the same effect by their Spring plowing. So they do; they turn the egg under (if not already hatched), but also turn under the proper food for the young worm, close by the side of the egg; this furnishes the young worm with strength to work its way to the surface in time to finish off its existence with the young corn shoots.

That Fall plowing, if properly done, will who have imperfectly tried it, will deny; but whether I have alighted upon the proper reason, or canse, or effect, must be judged by other practical farmers.

January, 1867.

### DRAINAGE.

WE have often urged this much needed improvement upou the readers of the Plonghman, but we fear its advantages are too little appreciated. There are but few localities where drainage would not be beneficial. Even in soils with an open subsoil, where deep drainage certainly is not required, some shallow drains may be nseful to carry off or to husband surplus water. Many a farm house is so located that a good deal of drainage is required to secure perfect health. Except in cases of diseased lungs, a dry atmosphere is more healthful than oue loaded with moistnre, and the air that passes over stagnant moisture will not long remain pure and healthy. So that in a sanitary point of view drainage often becomes of vast importance.

The Metropolitan Sanitary Commission of London states some interesting facts about drainage. For every inch depth of water drained off, and which would otherwise pass into the air as vapor, they say as much heat is saved per acre as would raise cleven thousand cubic feet of air one degree in temperature.-A recent Parliamentary report on the subject says, a farmer was asked the effect of some new draining, when he replied, "All that I know is that before it was done I could never get out at night without an overcoat, but now would have as great an effect in destroying the I never put one on to me. It just makes the difference of a coat to me." A doctor took it would at a greater depth; in fact, I have one of the Sanitary Commissioners to a hill

> It may not be generally known that dampness in the atmosphere gives double energy to bad odors of any kind. If everybody could live on a hill side, with a good gravel subsoil, we should find the average health of the community vastly improved. Much may be done by thorough drainage, not only to improve the sanitary condition of the locality, but to warm up and improve the soil. Try it. - Massachusetts Ploughman."

### HOW TO OBTAIN THE FARM AND FIRESIDE.

SEND Two DOLLARS to the Publisher, by mail; or, if there



Curing Lamb Skins.—A correspondent recommends the following method: As soon as the skin is taken from the animal, stretch it tightly on a board, flesh side out; then, before it begins to dry, I apply an equal mixture of fine salt and alum, thoroughly pulverized together, until the skin is slightly whitenened by the mixture. I then take no further notice of the skins until I want them for use, (which is always a few weeks from the time of applying the mixture.) I then take them and thoroughly wash them in warm soap-suds, let them dry moderately, and just before they are fully dry, rub them soft with my hands. After rubbing they are soft and pliable as a kid glove, and will continue so.







# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JANUARY 19, 1867.

#### FARM LIFE.

Some one asked the cynical Doetor Johnson "who is the happiest man?" and he replied, "the man who can content himself with a book on a rainy day." There was certainly a great deal of truth in the reply of that morose old philosopher; for, notwithstauding educatiou is almost universal, and hooks are popularized for every taste, there are very few men who can happily speud a rainy day in the perusal of even the most versatile and agreeable author. Braius to appreciate the brain work of others, taste to affiliate with the subject treated, mind to congenialize and mingle with the author, and philosophy snfficient to look beyond the storm of rain and tempest, would perhaps make the happy man of Doetor Johnson's choice.

If the same question was asked us, we should say that the mau who owned a really good farm, located in a pleasant and intelligeut neighborhood, and near a good market, with the farm well stocked with choice animals, himself and family enjoying good health, and exempt from an average of earthly ills, why, that man ought to be the very happiest of his race. The character of his labor contributes to the perfection of physical health; he inhales the purest atmosphere at all seasons of the year; he subsists on the best and purest food, both auimal and vegetable; he is not harrassed and hauuted with the perplexities of commercial life; he retires early, and rises when "the morning red has colored the margin of the earth, and variously formed the covering of Ster. The foremost man of his age and counthe clouds," and witnesses all the rural heauty try had goue home to die. The noblest orator, and scenery that God has so lavishly seattered the greatest statesman, the largest intellect, ou hill-side and valley, on forest and river

It is Wiuter now, and the snow covers up the fields; the orchards are all bare; the frost has cougealed the brook that recently laughed and dauced through the meadows; the woods look sad and desolate; the winds sigh and roar along the highway, and people generally consider it a lonely time in the country. But it is not so. Nature is never inactive, and rarely lonely: she keeps ou the great work of the Omuipotent; and frost and snow, tempests and clouds, storms and sunshine, make a panorama beautiful and magnificent to all who have the taste aud culture to appreciate them. We pity the man or womau who gets weary and lonely of a country home, of farm life, and of rural scenery aud associations. It argues a senility of heart, a want of mental resources, and a deficiency of that love and appreciation of Nature that should belong to every member of the human family.

Let us visit, in imaginatiou, some old farmhomestead, such as can be found in every town in our great Republic. The house may he modern, with every improvement for convenience or taste; or it may he an old fashioued, unpainted, gahle-roofed structure that has stood the storms of three-fourths of a century, and under which have heen reared two rely upon when the mercury sinks down to for another harvest. zero and the stars glimmer and sparkle in the miduight sky.

We knoek on the door of the old mansion, and a modest voice (country folks are invariahly modest) iuvites us iu, and welcomes us to the great kitchen. Here we find a geuuiue this grand old kitchen, with its hig wood-fire, building. A gentleman who visited this instisettee. In the corner is a long table, loaded hands, and that its future is full of promise.kin-pies-real, bonafide bread and pies, too; ceutre of the State.

for they were baked in a brick oven, such as city people rarely see or dream of. Peep iuto the pantry or cupboard, and see that long row of hright paus filled with milk-a real lacteous fluid, that has never been baptized at the pump, or sprinkled at the well. There, too, are baskets of eggs, sides of bacou, sundry hams, and cheese; euough, in fact to feed Falstaff's army, although each officer were an epieure aud all the privates gluttons-"savage and bearded like the pard." If we go down cellar, we find it a store-house of fruits and vegetables; an under-ground cornucopia, overflowing with plenty. There are barrels of apples and eider, kegs of butter and lard, bins of potatoes, carrots and beets, and a regiment of it was finally unanimously agreed to maintain eahbages in double platoons around the entire the State Society, and to elect officers for the

We must now visit the barn, and inspect the cattle, horses aud sheep; also the stock of fragraut hay in the deep mows, that made the men sweat (aud may be swear) when they pitched it over the great beams last Summer. There are the swallow's nests plastered up against the rafters, but uo birds darting in and out over the great double doors, as we saw them six months ago. But a finer sight is here now. See that row of uohle, stately cattle, feeding from the racks, their graceful white horns tossing up aud down like gnomes in a fairy dauce. This is a seene we remember 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 and yet intelligent and eompauionable do they appear, as they bauquet on the sweetest and most fragrant red-top and clover that the old farm affords.

By the way, this cattle-seene reminds us of a tableau at Marshfield, held a few days previous to the death of that great mau, DANIEL WEBwas about leaving this world, and bidding adieu to all that was dear to him. On his farm he kept a noble herd of eattle, many of them imported from Europe, and for which he had great pride and attachment. On a calm, sunuy afternoou, but a few days hefore his death, he requested that these fine cattle might be driven up to the house, and then, propped up in his hed, the great man gazed from the window upon them for the last time. There was a wonderful pathos, teuderness, affectiou in that dying wish of Webster; and he prohably derived more sympathy and pleasure from "a last look" at his domestic animals, than he could from a visit from all his cotemporary political associates.

Farm life in Winter has many pleasing and genial attractions; yet more in Spring, when, as Thompsou says—

"The penetrative sun, llis force darting to the dark retreat Of vegetation, sets the streaming power At large, to wander o'er the vernant earth. From the moist meadow to the wither'd hill, Led by the breze, the vivid verdure runs, And swells, and deepens, to the cherish'd eye. The hawthorn whitens; and the juicy groves Put forth their buds, unfolding hy degrees, In full luxuriance to the sighing gales."

The old orchards again put forth their rose and pink blossoms, just as they have done for forty or fifty years before. The blne-bird and robin build their nests in the pendant branches; and the bees make every bud aud hlossom

(Reader, we are now three months ahead of planting time, and shall write no more in this vein until Spring actually arrives!)

NEW JERSEY AGRICULTURAL COLLEGE. - We luxury in an open fire-place, with a huge fire learn that this institution is progressing favoraspreading its arms of flame up the chimney, bly. The State exhibited wisdom in putting and radiating a healthy, genial heat throughout the College fund iuto practical use at once, inthe room. Bless us! here is comfort, here in stead of expending it in a large and costly its large, easy, cushioued chairs, and capacious tution recently, informs us that it is in good hoth as to quantity and quality that was scarcely with loaves of wheat and ryc hread, and pump- lts location is at New Brnnswick, ahout the little to the exhibition. The New London TRAVELING AGENTS FOR THE FARM AND FIRESIDE.

#### CONNECTICUT.

THE STATE AGRICULTURAL SOCIETY AND THE STATE BOARD OF AGRICULTURE.

THE annual meeting of the Connecticut Agricultural Society was held at New Haven, on the 9th inst., Hon. E. H. Hyde, of Stafford, u the chair. The Treasurer's report exhibited only \$11.90 in the Treasury, with no available assets. The Executive Committee made a report, giving the history of the Society since its origiu, in 1852, and submitting the questiou: its work be surrendered to the new State Board of Agriculture?" A discussion followed, and ensuiug year. It was conteuded that the State Agricultural Society should continue in existeuce, because of the prohability that the New England Agricultural Society would hold its Fair for 1867 in Connecticut. The Executive Committee were ordered to make the proper arrangements for such Fair, and several gentlemen pledged themselves to contribute a guarantee fund for that purpose. As a word of eucouragement to keep alive the Society, it Society, in Vermout, last Antumu, Conucetieut

The following board of officers was theu ehosen:

Presideut—Ephraim H. Hyde, of Tolland. Vice Presidents—Rohhins Battell, of Nor-folk, H. L. Stewart, of Middle Haddam. Corresponding Secretary-T. S. Gold, of

Coruwall. Recording Secretary—Burdett Loomis, of

Windsor Locks.

Treasurer—F. A. Brown, of Hartford.

County Directors.—New Haven County, Dr.

Charles B. Whittlesey; Hartford County, C. M. Poud; New London County, James A. Bill; Fairfield County, Charles Hough; Wiudham County, Benj. F. Sunner; Litchfield County, George C. Hitchcock; Middlesex County, P. M. Augur; Tollaud County, S. F. West.

Chemist—Prof. S. W. Johnson, of Yale College

The Presidents of the several County Societies, and one Director appointed by each County Society, are also officers of the State So-

STATE BOARD OF AGRICULTURE.

This organization, which was created by the Legislature iu May, 1866, held its first meeting iu August last, and its second meeting on the 8th iustant, at New Haven. The President (exofficio a member) is the Governor of the State; the Vice President is Hon. E. H. Hyde, of Stafford; and the Secretary is T. S. Gold, of Cornwall. The members appointed by the Governor, and confirmed by the Scuate, were Hon. Mr. Hyde, Howard Collius, Esq., of Canton, Prof. S. W. Johnson, of New Haven, and Mr. Gildersleeve, of Portlaud. Each county society, or society receiving State aid, is entitled to name a member. At the meeting last August, a tabular list of questious was ordered to he sent to each society, that the character and value of its Fall Exhibitions or Fairs might be accurately known. And, to visit every Fair, a member was selected from some county other than that which held the Fair.

The Hartford Press, from which we make up this report, says that at the meeting on the 8th iust, the visitors to the County Fairs made or three generations. The door-yard is alive a music-hox-in fact, every old tree in the or- their report. In five of the counties sneeesswith miscellaucous poultry; ducks, geese, chard is an orchestra, and the atmosphere for ful and useful Fairs have been held. New Hahens and turkeys, all assembled in convention. rods around is loaded with fragrance. Now ven county held none. In Middlesex the Fair about 100 acres, twenty of which yielded last An immense wood-pile looms up near by, a the farmer takes hold of the plow and "looks was practically a failure. In Tolland it was ecrtain indication of energy and frugality of inot hack" until the mellow glebe is turned up but partially successful. The Hartford county the farm proprietor, and very comfortable to to the warm sun-light, and the seeds are sown Fair was reported excellent in all its departthe show of potatoes was excellent, and they dar swamp, five years since, at \$10 per aere, form the sole agricultural export of the county furnishes a ready home market for nearly all and amounted to \$7,200, at \$4 per bushel. other productions. The Wiudham county Fair was excellent in fruits, vegetables, hutter, cheese, and cattle. Windham county raises for the Provideuce or Hartford markets a surplus of hutter, cheese, pork and hay; and in the first two articles named claims eminence expected. The manufacturers contributed very

cattle of various breeds were excellent, and were shown in great numbers. The eastern portion of this county exports something to the Rhode Island markets, but imports much more largely from New York and elsewhere, to feed its people. The excellence of Litchfield county in butter, cheese and cattle, is well known. At the Fair were 741 head of stock of all descriptions, of which over 300 were working oxen. The Fairfield county Fair gave a good exhibition of the resources of the county. Horses for farm work are coming more into use there Shall the organization be continued, or shall than in most other sections, and were duly

The Board held afternoon and evening sessions. At the former, the fact that Connectieut does not raise enough on her own soil to feed her own people, was a subject of conver-Prof. Brewer gave a lecture upon "Irrigation in California," with glances at its usefulness in the east, and an instructive interchange of information took place concerning the effect of flooding and irrigation. In the evening, Prof. S. W. Johnson delivered an extrenicly interesting and instructive lecture npon "Recent investigations concerning the source and supply of nitrogen to crops."was stated that at the Fair of the New England He showed that nitrogen is absolutely indispeusable to the growth of plants; that the took twice as many premiums as any other supply does not come directly from the atmosphere; that the recognized great value of ammonia is due to its eighty-two per cent. of nitrogen; that a direct application of uitrogen is not so uecessary sometimes as the application of fertilizers ealenlated to develop the nitrogen already in the soil.

> On the second day, 9th inst., an instructive discussion upon drainage took place in the hall of the Scientific School. Mr. Gold read a very interesting letter from John Johnston of Geneva, N. Y., the veuerable pioneer of drainage iu this country.

At the evening session Prof. Brewer lectured upon "Diseases of plants caused by fungi."-He said that plauts, like animals, were attacked with diseases, and often as incurably. That farmers were observant men iu agricultural pursuits, but that they had no time to reduce it to a scieuce. He then spoke of the formatiou of plants, their growth, and propensities to nurture the different growths of fungi, mnshrooms, toadstools, puff balls, which lived only upon dead matter, but confining himself to those which produced disease in growing, plants, especially wheat, corn and oats. He said that the season or soil had nothing to do with the growth of fungi further than its tendeney to spread the disease. That different kiuds of fungus matter extended through a field of wheat in from teu to twelve days; that in Russia, that which lived upou decayed matter grew sometimes two feet high in a single night.

### THE CRANBERRY CULTURE IN NEW JERSEY.

AT a recent unceting of the Pennsylvauia Horticultural Society, William Parry read a paper containing some interesting facts respecting the culture of the eranherry iu New Jersey. He thinks there is at least one million dollars invested in the culture of cranberries in the county of Ocean; and iu Monmouth and Burlington counties, the culture is still more extended. At Shamoug, portions of bog have yielded at the rate of 220 bushels per acre, which, at the price last fall, would amount to \$1,250. W. R. Braddock of Medford, has year an average of 100 bushels per aere amounting to \$3 per bushel, clear of all expenses, or \$6,000 from the 20 acres in herryments, It was noticed in Tolland county that ing. T. and A. Budd purchased a tract of ecfor which they have since heen offered \$600 save the tobacco raised in small sectious in the per acre. Last year 28 acres of it yielded 1,western towns. The manufacturing population 800 hushels of fruit, or 67 bushels per acre,

> The Twenty-first Annual Meeting of the Burlington County, N. J., Agricultural Society, will be held at Mount Holly, on the 26th of January. This is one of the most prosperons and influential Agricultural Societies in New Jersey.

county Fair was in all respects good, but the respect of Daller of County Fair was in all respects good, but the respect of Daller of County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good, but the respect of the County Fair was in all respects good.



The Rose.—The trade in roses, as is well known, is of considerable importance in Frauce. Rose trees are cultivated in different parts of the country in open fields, just as turnips or cabhages. Thus there are 500,000 rose trees near Orleans, 200,000 near Metz, 1,000,000 near Angers, 1,500,000 near Lyons, 2,000,000 near Paris, and 2,000,000 in the thirteen communes of Bri-Compte-Rohert. The varieties called Rose-The, the Bonrhon, and Monsseuse, flourish, particularly in the environs of Paris and Orleans. These flowers are raised for distillation into extracts, used in perfumery as rose water and as a constituent of Eau de Cologne. The ottar of rose is manufactured mainly in the East, and is exceedingly valuable.





# Fireside Tales.

#### "SENT BY EXPRESS."

MARIAN HARLAN 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 firmness far beyond her years. For after all she was scareely seventeen, and sir!" so Deacon Gray was telling her, as he sat by the fire spreading his huge hands over the tardy blaze and asked:

"But what are you going to do to 'arn your bread and butter, child?"

"I don't know-I haveu't thought-mamma had an uncic in New York who—

"Yes, yes—I've heern tell about him—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 him into her secret meditations; but she did not, and the Deacon went home, to tell his wife that "that Harlan girl was the very queerest creature he had ever come across.'

In the meanwhile Marian was packing her few seanty things into a little carpet bag, by the weird, fliekering light of the dying wood

"I will go to New York," she said to herself, seetting her small, pearly teeth firmly to-

"My mother's uncle shall hear her cause pleaded through my own lips. Oh, 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 must 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! Minnie Harlau sat in the corner of an express office, under the flare of gas lights, surrounded by boxes, and wondering whether the people ever went erazed in this perpetual din and tumult. Her dress was plain gray poplin, with a shabby, 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 sat there two hours, and was very, very

"Poor little thiug," thought the dark-haired youngest clerk 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 accounts.

"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 noticed that young woman sitting here for some time—how came she here?"

"Expressed on, sir, from Millington, Iowaarrived this afternoon.

As though Miunie Harlan were a box or a pareel.

"Who for?"

"Consigned to Walter Harrington, Esq."

"And why hasn't she been called for?"

"I sent up to Mr. Harrington's address to notify him some time ago; I expect an auswer every moment."

"Very odd," said the grey-haired gentleman, taking up his newspaper.

"Yes sir, rather."

Some three-quarters of an hour afterwards, Frank Evans came to the pale girl's side with indescribable pity in his hazel

"Miss Harlan, we have sent to Mr. Harrington's residence—

Minnie looked up with a feverish red upon her cheek, and her hands clasped tightly on the handle of the faded carpet bag.

"-And we regret to inform you that he 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

"Can we do anything further for you?" questioned the young clerk, politely.

"Nothing—no one can do anything now."

Frank Evans had been turning away, but something in the piteous tones of her voice appealed to every mauly iustiuct within him.

"Shall I send you to any other of your friends?'

"I have no frieuds!"

"Perhaps I can have your things sent to some quiet family hotel!

Minnie opeued the little leather purse and showed him two ten eent pieces, with a smile that was almost a tear.

"This is all the money I have in the world,

So 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- ncss in the wire cage, under the circlet of gasallel ease to this. He bit the eud of his peu in light. dire perplexity.

"But what are you going to do?"

"I don't know, sir. Isn't there a work-house or some such a place, I could go to, until I eould find something to do?"

"Hardly." Frank Evaus could scarcely help laughing at poor Minnie's simplicity.

"They are putting out the lights, and preparing to close the office," said Miunie, startiug to her feet. "I must go somewhere."

"Miss Harlan," said Frank, quietly, "my home is a very poor one-I am only a five hunwill receive you under her roof for a day or two, if you can trust me."

"Trust you?" Minnie looked at him through ime! violet eyes obscured in tears. "Oh, sir, I should be so thankful!"

"How late you are Frank! Here, give me your overcoat-it is all powdered with snow,

But Frenk interrupted his bustling cherryeliceked mother, as she stood on tip-toe to take off his outer wrappings.

"Hush, mother! there is a young lady down

"A young lady, Frank?"

old Harringtou, the rich merchant. He sailed est Frank; but he obeyed iu silence. for Europe this morning, and she is entirely alone. Mother, she looks like poor Blauche, and I know you wouldn't refuse her a corner here until she could find something to do."

Mrs. Evans went to the door and ealled eheerily out:

"Come up stairs, my dear-you'r welcome as flowers iu May! Frank, you did quite right; you always do."

The days and weeks passed on, and still Minnie Harlan remained au inmate of Mrs. Evans's my children," said the old mau, doggedly.humble dwelling. "It seems as though she had taken our dead Blanche's place," said the house is as lonely as a tomb." cosey little widow; and she is so nseful about the house. I dou't know how I managed with- and pretty Minnie moves in velvet and dia-

"Now Minnie, you are not in earnest about leaving us to-morrow?"

have been here two months to-morrow; and sunshine of his declining life. the situation as governess is very advantage-

ous."
"Very well, I shall tell Frank how very obstiuate you are.'

"Dearest Mrs. Evans, please don't! Please keep my sceret."

"What secret is it that is to be so religiously kept?" asked Mr. Frank Evans, coolly walking into the midst of the disenssiou, with his dark hair tossed about by the wind, and his hazel Hurd & Houghton: brown eyes sparkling arehly.

"Secret!" repeated Mrs. Evans, energetically wiping her dim spectaele glasses. Minuie is determined to leave us to-morrow.'

"Minnie!"

trespass on your kindness."

the honse has been a different house since you ginning again to whirl their flight closer to our 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, Minnie?"

"No." She shook her head determinedly.

can suspect me!

sure the article is in your possession."

" My heart, 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, according to the programme, married the dark-haired elerk in 'Ellison's Express

They were quietly married, early in the morning, and Frank took Miunie home to his mother, and then went calmly about his busi-

"Evans!"

"Yes, sir."

Frank, with his pen behind his ear as of yore, quietly obeyed the behest of the grayheaded official.

was expressed on from Millington, Iowa, two months siuce?"

"Yes, sir—I remember her."

A tall, silver haired gentleman here interposed with eager quickness:

"Where is she? I am her unele, Walter dred dollar clerk—but I am sure my mother Harrington. I have just returned from Paris, where the news of her arrival reached me! I want her; she is the only living relative left

"Ah! but sir," said Frank, "yon can't have

"Can't have her? what do you mean?-" Has anything happened?"

"Yes, sir, something has happened: Miss Harlan was married to me this morning."

Walter Harrington started.

"Take me to her," he said, hoarsely. can't be parted from my only relative for such a mere whim,"

"I wonder if he ealls the marriage service "Yes, mother; expressed on from Iowa to and wedding rings mere whims," thought hon-

"Minuie," said the old man, in faltering accents, "you will come to me and be the daughter of my old age? I am rieh, 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 leave my husband, Uncle Walter-I love him!"

"Then you must both of you come and be "And you must come now, for the great

Frank Evans is no longer an express elerk, monds; but they are quite as happy as they were in the old days, and that is saying enough. Unele Walter Harriugton grows older and fee-"I must, dear Mrs. Evans. Only think-I bler every day, and his two children are the which said:

## From New Books.

### ARCTIC EXPLORATIONS.

We present our readers with a few extracts "The Open Polar Sea," now in press by Messrs.

BIRD-CATCHING IN GREENLAND.

much interest, my companion was intent only away to the satisfaction of my savage com-"Not right, eh? Minnie, do you know that panion, the sport began. The birds were beheads-so elose, 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 flock of unusual thickness was approaching; and, in a moment, up went the net; a half dozen birds flew baug into it, and, "Tuen you must be made to stay," said stunned with the blow, they could not flutter Frank, "I've missed something of great value out before Kalutunah had slipped the staff lately, and I hereby arrest you on suspicion of quickly through his hands and seized the net; with his left hand he now pressed down "Missed something!" Minnie arose, and the birds, while with the right he drew them turned red and white. "Oh, Frank, you never out one hy one; and, for want of a third haud, he nsed his teeth to crush their heads. The keep them from fluttering away, and with an \$80,000,000.

air of triumph the old fellow looked around at me, spat the blood and feathers from his mouth, and went on with the sport, tossing up his net and hauling it in with much rapidity until he had caught about a hundred birds; when, my euriosity being satisfied, we returned to eamp aud made a hearty meal out of the game which we had bagged in this novel and unsportsmanlike manner. While an immense stew was preparing, Kalutunah amused himself with tearing off the birds' skins and consuming the raw flesh while it was yet warm.

BRILLIANCY OF THE ARCTIC SUMMER.

The sun reaching its greatest northern declination on the 21st, we were now in the full blaze of Summer. Six eventful months had passed over sinee the Arctic mid-night shrouded us in gloom, and now we had reached the Aretic mid-day. And this mid-day was a day "Do you remember the young woman who of wonderful brightness. The temperature had gone up higher than at any previous time, marking, at meridian, 49°, while in the sun

scape.

A more calm and lovely air never softened the Arctic land-

Tempted by the day, I strolled down into the 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 patch of the winter snow yet nudissolved—an emerald carpet, fringed and iulaid with silver and sprinkled over with fragments of a bouquet-for many flowers were now in full bloom, and their tiny faces peeped above the sod. A herd of reindeer were browsing on the plain beneath me, and some white rabbits had come 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 patches 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 and silence of the Aretic uight,—the death-like quiet which reigned in the endless darkness-the absence of every living thing that could relieve the solitude of its terrors—it was not possible to see, without surprise, the same landscape eovered with an endless blaze of light, the air and sea and earth teaming with life, the desert places sparkling with green, and brightening with flowers,—the mind finding everywhere some new object of pleasure, where before there was but gloom. The change of the Aretie 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

"She is not dead, but sleepeth,"and the pulseless heart was made to throb again, and the bloom returned to the pallid

RUNNING DOWN A POLAR BEAR.

While bounding along, logging 10 knots an liour, we almost run over an immense polar bear, which was swimming in the open water, from Dr. Hays's forthcoming work, entitled making a fierce battle with the seas, and seemingly desirous of boarding us. He was evideutly much exhausted, and seeing the vessel approach, doubtless had made at her iu search While I was watching these movements with of safety. The unhappy beast had probably allowed himself to be drifted off on an icenpon business, and warned me to lie lower, as raft which had gone to pieces under him in the the birds saw me and were flying too high heavy seas. Although these polar bears are "I must, Frank, I have no right further to overhead. Having at length got myself stowed fine swimmers, I much fear that the waves would in the end prove too much for this poor fellow, as there was not a speck of ice in sight on which he could find shelter. As we passed he touched the schooner's side, and Jensen, who seized a rifle, was in the act of putting an cud to his career, when I arrested his hand -The beast was making such a brave fight for his life that I would not see him shot, more cspecially as the waves were running too high to lower a boat for his carcass, without a risk which the circumstances did not warrant.

British Exports.—The exports of British manufactures to the United States this year are double what they were last year. For eight months of 1865, twenty-one principal articles "But I do suspect you. In fact I am quite wings were then locked across each other to came to \$40,000,000; this year they amount to



Deep vs. Shallow Milk Pans.—Mr. M. A. Richardson, of Sherman, N. Y., says:—"Whether more cream can be obtained from deep or shallow pans, is an easy matter to settle, without even an experiment. It takes time for cream to rise; therefore, it will rise in a shallow pan soouer than in a deep one, and consequently, in warm weather, when milk will thicken in a few hours, shallow paus should be used, or the cream will be caught in the thickened milk and the skimmer won't fiud it. But in cooler weather, when milk will remain thin long enough for the cream to rise, deep pans are preferred by some. Even then, sweeter butter can be made from shallow pans."





# Rhade-Island Society.

#### ANNUAL MEETING.

THE annual meeting of the Rhode Island Soeicty for the Eucouragement of Domestie Industry was held on Wednesday morning, 16th inst., at its hall in Providence, the first Vice-President, Henry W. Lothrop, Esq., iu the

The Standing Committee presented their annual report, which was read and accepted.

The Treasurer presented an abstract of his accounts for the year, which was read and accepted. The receipts were \$1,887 59, and the expenses \$1,977 66.

The Secretary presented his necrological report for the year, which was accepted, and he was authorized, by consent of the Standing Committee, to add to his report biographical sketches of members deceased, which he had not completed. The names of the members deceased during the past year are: Charles H. Childs, Thomas J. Stead, Daniel Paine, Isaac Thurber, Byron Sprague, Edward F. Miller, Peter Church, Esek W. Dexter, Geo. M. Richmond, Martin Stoddard and Wilkius Updike.

It was voted that the thanks of the Society RECREATION AND AMUSEMENTS OF FARM be tendered to the proprietors of the Providenee Daily Journal, Daily Post, Evening 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:

Whereas, Samuel S. Foss, Esq., publisher of the Woonsocket Patriot, has issued the first number of a weekly journal, devoted to Agri-eultural and Domestic pursuits, and of a high-ly creditable character in its literary and typo-graphical departments; it is therefore

Resolved, That this Society greet with much casure "The Farm and Fireside" in its introduction to the agricultural community, and the social life of the hearthstone, congratulating its enterprising publisher and proprietor on the very flattering auspiees under which his publication has been issued.

Resolved, That this Society iu its recognition of, and sympathy for, this first Rhode Island effort exclusively devoted to the promotion of In the summer, when the fields require his at-the interests of agriculture, by the means of tention, little time can be spared for amnse-the Press, tender to Mr. Foss its assistance as ment, although a day's relaxation occasionally far as may be done, by adopting his publica-tion as the means of disseminating such facts and information as may from time to time be deemed worthy of attention, and in this re-eommendation of his journal to the patronage and favor of the members of this Society and the community at large.

Resolved, That the Secretary of this Society transmit a copy of these resolutions to the publisher of the "Farm and Fireside."

Voted, that the printing of the transactions of this Society in the year 1866, be referred to the Standiug Committee, to take such order about the same as they shall deem expedient.

Voted, that a committee of five be appointed by the chair to nominate officers of the Society for the year ensuing.

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

The foregoing committee, after consultation, asked leave to report at some subsequent day, and proposed an adjourned meeting of the Soeiety on the first Wednesday in February next,

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. Chadsey and John Holden, to report at the adjourned meeting.

The Society then adjourned to the

have been the annual meetings for many years

PRESIDENT LINCOLN used to tell this story of himself: He was riding one day on the stage- benefit will accrue. eoach in Illinois, when the driver asked him to treat. "I never use liquor," was Mr. Lincoln's reply, "and I cannot induce others to do so." "Don't eliew, neither?" "No, sir." "Nor smoke?" "No, sir; I never use tobaeco in with no small viees; I've allers noticed they make it up in big ones."

#### UNDER THE VIOLETS.

Her hands are cold, her face is white, No more her puises come and go; Her eyes are shut to life and light; Fold the white vestures, snow on snow And lay her where the vloiets hiow.

But not beneath a graven stone, To plead for tears with alien eyes; A slender cross of wood alone Shall say, that here a maiden lies In peace beneath the skies

For the morning choir will sing Its matins from the hranches high, And every minstrel voice of spring, That thrills beneath the April sky Shall greet ber with its earliest cry.

When turning round that dial track, Eastward the lengthened shadows pass, Her little mourners ciad in black, The cricket sliding through the grass, Shall pipe for her an evening mass.

At last the rootlets of the trees Shall find the prison where she lies And hear the huried dust they seize In leaves and blossoms to the skies; So may the soul that warmed it rise.

If any, born of kindlier blood, Should ask what maiden lies below, Say only this: "A tender bud, That tried to blossom in the snow,
Lies withered where the violets blow."

# ERS AND THEIR FAMILIES IN WINTER.

FARMERS, as a general thing, labor more with less relaxation, than is for their own comfort. Many of them toil early and late, summer and winter, and by a proper arrangement of their work, have as much to do on a rainy day as any other. As a bow always bent loses its elasticity, so a laborer whose system is always exerted to its utmost eapacity, will beeome prematurely old, and will be worn out with toil when he should be in his prime. If a man is dependent for a living on the work of each particular day, if he is compelled to work one day to procure food for the next, he must labor more unremittiugly than he who has enough of property to be comfortable, and labors more to increase it than eujoy it.

But what recreation shall the farmer take? ment, although a day's relaxation occasionally is refreshing. But in the winter, when his crops are gathered, and comparatively but little to do, he should relax his exertions, and recruit for the next season's work.  $\Lambda$  chauge 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 feeding trough or other useful or ornamental articles, will relieve the dulness of the season and keep him out of idleness. Let him keep a record of his operations during the summer, of his erops, and the labor bestowed on them, and study it over in the winter evenings, and arrange it in a form convenient for preservation and future reference. Let him write his experience to his agricultural paper, and meet and discuss his views with his neighbors. A farmer's elub should be established in every neighborhood, and should have meetings at least weekly during the winter evenings. Let each one prepare a paper to read at the meeting, on any partieular subject. It will afford both pleasure and profit. Let the relative profits of the different productions of the farm, the best modes of eulture, feneing, draining, and a dozen other topies be disenssed.

The writer derived much satisfaction from attending the meetings of a debating society, and remember the longest." the past winter. Such an one might be estab-Wednesday in February next, at 10½ o'clock lished almost everywhere. It gives those who are unaecustomed to speak in public a chance The meeting was more fully attended than to overcome a natural diffidence, and to all an opportunity to improve oratory. Let plain questions be selected, such as any farmer can advise something for or against; and every one connected with it do the best he can, and some

The family of the farmer should also have some provision made for their pleasure. If horses are put out to the sleigh and a ride taken oceasionally, they will be none the worse for it. Let them visit their neighbors and spend an any form." "Well," replied the disgusted evening in eheerful conversation, or a few Jehn, "I haint much opinion of you fellers amusing games or other amusements; have athusing games of other athusements, have her reasonable and their neighbors visit them, and thus by friendly intercourse keep up a spirit of mutual friending one and dipping him in red paint. He then let him loose, and the other rats, not liking his looks, left immediately.

ship throughout the neighborhood. Take a load of young folks to the singing school at the neighboring church or school-house; it does one good to hear and take part in such exereises.

The lot of the farmer, if he chooses so to make it, is the most delightful of all pursuits, while on the other hand it may be made the most tiresome, 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 occupation, 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 home, had he had proper relaxation, and home had heen more thau merely a place to eat and sleep. And how many eitizens retire to spend their evening of life upon a farm! They have found out the value of occasional relaxation from toil, and hence we find those envying the farmer's lot, not knowing how often the farmer makes his lot burdensome by unceasing toil.

THE BEAVER.—At a recent meeting of the Natural History Society of Halifax, N. S., Col. Hardy, a well known sportsman and naturalist, read a paper on the beaver, whose habits he had elosely observed. The dams built by beavers, 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 structures, plastered with mud and rounded off, but mere eollectious of good sized sticks and branches twined together with roots. A perfect model of one of those houses, resting by the lake side, and several elaborate sketenes illustrating the habits of the animal, accompanied the paper. The house, constructed of small twigs, roots, &e., was divisable iuto two parts; the upper on being taken off revealed the curious arrangement within, a good sized hall having a raised eouch at the back, comfortably lined with grass. A bleached pine stump rose behind the house while in front lay the miniature lake, formed of plate glass with water-lilies resting upon it.

LITTLE THINGS.—The preciousness of little things was never more beautifully expressed than in the following morceau: "Little martin-boxes of homes are generally the most happy and eosey; little villages are nearer to being atoms of a shattered paradise than anything we know of; and little fortunes bring the most content, and little hopes the least disappointment. Little words are the sweetest to hear; little charities fly furthest and stay longest on the wind; little lakes are the stillest, little hearts 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 love 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 perfect 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 put his wife in his heart and have room for other things beside; and what was she but little? Multum in Parvo-mueh in little-is the great beauty of all we love best, hope for most,

The Secretary of the Woreester County Horticultural Society is preaching a crusade against the robins. He thinks they eat more fruit than worms, and are altogether too expensive warblers to be eneouraged. They fatten upon Northern fruits, and then go South to tickle the palates of Southern gourmats.

A negro boy was driving a mule in Jamaiea, when the animal suddenly stopped and refused to budge. "Won't you go, ch?" said the boy. "Feel grand, do you?. I s'pose you forget your fadder was a jaekass."

### The Farm and Fireside,

PUBLISHED EVERY SATURDAY. \$2.00 PER ANNUM, STRICTLY AND ALWAYS IN ADVANCE.

ADVERTISEMENTS .- A limited number of agricultural advertisements will be published. Price, FIFTEEN CENTS a line, each insertion. Special advertisements, at the bottom of the

pages, TWENTY-FIVE OENTS per line each insertion. No cuts are allowed in advertisements, and no unusual display.—
The Publisher holds the right to reject any advertisement ot suitable for these pages.
All letters, remittances, &c., should be addressed to

S. S. FOSS, Publisher, Woonsocket, R. I.

### Brevities.

Prussia's late war cost her \$42,000 000, to cover which, with a afe margin, she has levied a contribution of \$56,200,000 upon

Gosslp reports the speedy return of Gen. McClellan from Euope, and that he will reside at his country house, in Orange,

The big mastodon which was recently discovered at Cohoes, Y., has been transported to the State geological museu Alhany.

The wheels of the large ocean steamers make about 200,000 revolutions in crossing the Atlantic, between New York and Liverpool.

The arming of the whole Austrian army with breech-loading rifles is resolved upon. The modification of the existing muskets will extend to 580,000 weapons.

Civilized man drinks \$200,000,000 worth of champagne every

After Fred. Douglas had finished his recent lecture in New York, an exuberant white woman went up to the platform and klssed hlm. Fred, received the token without blushing,

A principal agent of a prominent life insurance company re cently died and had no insurance upon his life. This is almost as had as the hald-headed man selling his ointment for restoring the hair.

Pork is dull at six cents n pound in West Virginia.

Losses by cattle disease in England are summed up at \$17,-65,000 in gold.

Last year 286,496 persons arrived in the United States from foreign countries of whom 29,000 went West.

Five thousand men will be thrown out of employment in Pittshurg on the 15th of this month, by the stopping of the Iron

Lynn, Mass., has 220 boot and shoe manufacturers. Annual production, \$12,000,000 worth.

America has 90,000 miles of telegraph and 36,000 of railway. The Portland Argus states that Mr. Bingham of the House has purchased of James Keegan of Augusta, his celebrated rotting horse "Johnny Schmoker," for \$3500.

# The Markets.

BRIGHTON CATTLE MARKET.

At market for the current week: Cattle, 2037; Sheep and

Reef Cattle - Extra, \$12 50@13 00; 1st quality \$12 00@12 25; 2d do. £11 00@11 75; 3d do. £9 50@a10 50 and 50 and

Country Hides-81/69c 7 tb; Country Tallow, 7671/c 7 tb. Brighton Hides, 10c 7 th. Brighton Tallow 8@8% Lamb Skins, \$1@1 25 each; Sheep Skins, \$1@1 25 each.

Calf Skins, I7@a20c 73 lb.

There is a large supply of Cattle from the West which are of a better quality than those of last week. Taking quality and shrinkage into consideration we think that the prices are from 25 to 75 cents per hundred lower than they were one week ago. A few of the extra hrands have been sold at 13½@13% € 15.

Stores-With the exceptions of Working Oxen and Milch Cows there are but few Stores brought to market. Nearly all tho small cattle being sold for beef.

Working Oxen—Sales at \$160, 165, 180, 185, 195, 200, 205, 215.

There has been a better demand for Working Oxen for the last

Ix weeks than for any other stock brought to market.

Milch Cows—Sales extra \\$80@a100; ordinary \\$60@.75; Store

ows \$35@50. Prices of Milch Cows depend altogether upon the fancy of the purchasers.

Sheep and Lambis—Sales 61 at 64, c, 97 at 6c, 164 at 5 ½c, 40 at 7 ½c, 104 at 5c, 203 at 6 ½c, 92 at 6c, 80 at 5 ½c, 75 at 6c, 12 at 8c % b, 108 at \$3, 111 at \$3 25, 110 at \$4 50 % head. The trade is ull; many of them are taken at a co Swine-None In market.

### NEW YORK WOOL MARKET.

The market is still somewhat unsettled, though prices have not varied materially. The sales are 150,000 ibs. State and Western Fleece at 45a55c for ordinary to extra choice—the latter price for XX Ohio; 30,000 ibs. super and extra Pulled, 30a52; 100,000 ibs. Texas, 15a22½ for Inferior and ill conditioned, and 24a33 for fair to prime; 10,000 lbs. California 24½; 9000 lbs. Mexican, 17; 16,000 lbs. Black Spanish, 17; 15,000 lbs. African, ln hond, 17 gold and 27½ currency; 60 hales Buenos Ayres Mecurrency; 100 do. Mertiza, 110 do. Donskol, and 150 do Cape, on private terms.

### ALBANY CATTLE MARKET.

Braves-The market opened extremely dull, with but few huyers, but yesterday dealers from the East bought pretty freely, especially for Brighton, and the market grew a little stronger, but except for the best extra, prices were lower.— Freights—To Brighton, Providence, Hartford, New Haven, New London and Norwich, cattle and sheep, Western \$33 per car, State do. 53; sheep 20 per ct. less; swine 10 per ct. less; swine, Western, 16c 79 100 ibs.

BeevesSheep	last year	Jan. 1. 6,800 9,600
Priors— Premium. Extra First quality Second quality. Inferior.	8 50a 9 50 7 25a 7 75 6 00a 6 75 5 25a 5 73	Last week, \$10 00a11 00 8 25n 9 00 7 25a 7 75 6 00a 6 75 5 00a 5 75 4 25a 4 75

SHEEP in rather better demand; sales about 1500 at 6a6 %c 7

heavy .- [Journal.



New England in 1673.—At this period of our history, there were in New England 120,000 souls, 13,000 families, and 16,000 men capable of bearing arms. There were 12 ships between 100 and 200 tons, 190 ships between 20 and 100 tons, and 500 fishing boats under 6 tons. No house had more than 20 rooms, and not above 20 in Boston which had above 10. There were no beggars. There were no musicians by trade, and a dancing solved was set up but not have the room of the property of t school was set up, but put down, though a feneing school was allowed. No cloth was made worth over 4s a yard, and no linen above 2s 6d, and there was not a man worth over \$30,000.





# Paetic Gems.

#### THE FIRESIDE.

Let others seek for empty joys
At hall or concert, ront or play; Whilst, far from Fashion's idle noise, Her gilded domes and trappings gay, I while the wintry eve away: 'Twixt book and lute the hours divide, And marvel bow I e'er could stray From thee—my own fireside!

My own fireside! Those simple words Can hid the sweetest dreams arise, Awaken feeling's tenderest cbords, And fill with tears of joy mine eyes. What is there my wild beart can prize, That dotb not in thy sphere abide: Haunt of my bome-bred sympathies, My own-my own fireside ?

A gentle form is near me now; A small white 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 mother's eyes doth bide; Where may Love seek a fitter shrine Than thou-my own fireside?

My refuge ever from the storm Of this world's passion, strife and care; Though thunder-clouds the skies deform, Their fury cannot reach me there There all is cheerful, calm and fair Wrath, Envy, Malice, Strife or Pride Hatb never made its hated lair By thee-my own fireside l

Sbrine of my bousehold deities! Bright scene of home's unsullied joys; To thee my burdened spirit files
When Fortune frowns, or Care annoys Thine is the bliss that never cloys;
The smile whose truth has oft been tried; What, then, are this world's tinsel toys To thee-my own fireside?

Oh, may the yearnings, fond and sweet, That bid my thoughts be all of thee, Thus ever guide my wandering feet 'To thy beart-sootbing sanctuary ! Whate'er my future years may be, Let joy or grief my fate betide, Be still an Eden bright to me, My own—my own fireside!

## The Field.

#### TOBACCO CULTURE.

Written for the Farm and Fireside, BY WILLIAM H. WHITE, SOUTH WINDSOR, CONN.

Tobacco, as a field erop in New England, has grown from a small, recent heginning, to one of cousiderable importance at the present is wed and fear of frosts are over. Keep day. By the ceusus statistics of 1850 we find that it was grown in only New Hampshire, Massachusetts and Connecticut, of the New England States; and the whole number of pounds produced was only 1,407,920. In 1860 it had risen to 9,366,445 pounds. amount, in 1865, we find by the Report of the Agricultural Department at Washington, still farther increased to 14,039,040 pounds; and hest. The latter part of May the ground amounting in value to \$3,769,671. The number of acres devoted to the erop in 1865 was a fraction over 11,000. As the census returns it should be well harrowed and fitted for setfail to give either the number of acres grown, ting the plants. Mark your rows three feet or the gross amount in value of the crop for either of the preceding years, I am unable to approximate the same. But that the number with a horse, will answer. Into these drills of acres grown was very much less, is evident, strew guano and plaster, mixed, at the rate of and the price per pound was also only a fractional part of what it was for 1865. In Conin 1850 for the best lots was only six or seven hills with a wheel marker, two and one-half clipped a little two or three times, to keep it thirty cents per pound, and many lots that I 15th of June, or as soon as the plants get a firm, compact base, perfectly impervious to know of sold for thirty-five and forty cents per large and strong enough, which will be when the smaller animals and stout enough to turn to diminished production in the Sonthern to-plants, as they are quite hardy and tenacious hedge fifty rods long and seven years old, from average production per acre in 1865 ranged froot, and once in ten days thereafter, till too fed, and the plants were set one foot apart. It from 750 to 1350 pounds, experienced, success- large to go among with the cultivator and has been kept clean with the cultivator, and ful growers in the Connecticut Valley averaged horse. Clean culture is essential in every 2000 pounds; and some that I might name stage. Keep off the cut worm from the young

per acre. You ask why this difference? I bung in the curing barn. It turns a mottled answer, it is all owing to superior culture, su- greeu, becomes tbick, and easily breaks when perior manuring, etc. Tobacco will not be a folded, upon ripening. Tobacco is hung with successful crop without these last esseutials.

of growing an acre of tohaeco. I will give of air among it while curing. It is cured the amount of labor in cultivating and prepar- when the mid ribs of the leaves cease to yield iug an acre of tobacco-as it should be-on turf, in the year 1864. I reduce the labor to mild, moist time, and when the tobacco comes days' work. Number of days, 533; plowing in, case so that it can be haudled without with yoke of oxen and pair of horses, two days; hauling manure two days, ox team; and bulk it, preparatory to stripping. It is harrowing in manurc and fitting with two assorted into two or three qualities, as it may horse team, two days; 10 cords (128 feet to be more or less perfect. The ground leaves go the cord) manure; guano and plaster to put in by themselves for fillers. All imperfect leaves hill, \$7,50; 6000 tobaeco plants; 7 pounds of twine to hang tobacco with; six cases for fect leaves are stripped, and done up for wrapcasing the crop. It must here be borne in mind that sward land requires a much larger the same length of leaf in the same bank, and amount of labor to fit it for setting, than old be careful to do up every hank very nice, land; and that, in this case, the whole of the plants were watered out in a dry time, which took three to four times as long as wheu set iu three hanks to the pound is the right size for a moist time. The product was 2183 pounds of fine wrappers, and 206 pounds of fillers, amounting in value at that time to a little over prevent drying out. A mild day is chosen, afhave been several hundred weight greater.

The foregoing is the actual product of an

acre, most part of which 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 success of growing a good crop of tobacco depeuds much upon having a supply of good strong plants and planting them out early. The plant-hed should bave a sheltered position, 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 heavy coat of fine manure, guano or other fertilizer, free of weed-seed, as early in the spring as the ground will admit of being well worked .-Make the surface very fine with the garden rake, smooth and even. Sow the seed hroadcast, 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 clean of weeds. The best soil for tobacco is a moderately light sandy loam, deep and rich.-The crop will flourish in none except a rich soil, with plenty of manure to feed on. The manure should be hauled on and plowed under five or six inches deep, in the month of April, be well fined when spread. Any good stable mannre is good, but horse, well worked np, is should he plowed again, this time two inches habit (growing from six to ten feet in height), deeper than before, and lie a few days, when eight inches apart, with a suitable marker.-Cultivator teeth, set in a frame, to be drawn 150 lbs. of guano to 250 lbs. of plaster, and cover with a "Shares Planter." This leaves a necticut, if my memory serves me, the price slight ridge, smooth on top; on this mark the ternately to break joints. This hedge has been cents per pound; while in 1865 it averaged feet apart. Transplant from the 1st to the superior culture and greater experience in both weather is best for transplanting, and if care- at one end, where the soil is quite thin. On preparing and marketing the crop; and in part fully done, very little check is given the young our grounds at Oneida we have a barberry bacco-producing States. While the general of life. Cultivate as soon as the plant takes the seed. In this case but one row was plantraised from 2500 to 2700 pounds to the acre. plants, by hunting them out; and also the But few farmers in Connecticut devote more green worm, by hand-picking often, after they than four to six acres to this crop, and a great appear. When the plants get up pretty genermany do not exceed one acre. In Massachu- ally, so as to show blossom buds, pinch the wide, as a temporary guard, until the hedge setts there are a few large growers, growing top off-if a good growth, the point for toptwenty to twenty-five acres, and averaging ping will be about 2½ feet high. The topping 2000 pounds to the acre, as I am credibly in- is necessary to send the growth into the leaves. daily. An important item in regard to this formed; but it is only done by high culture. In a few days, suckers will appear at the ax-Iplant is its habit of sending up suckers from Many will grow that amount, or even more, to ils of the leaves; these must be kept off, for the bottom by which, in a few years, it comes the acre, while their next neighbor, with simi- the same reason of topping. Tobacco should to have a base from six to twelve inches in di-

lar soil, will only obtain 1200 to 1600 pounds be cut as soon as ripe—before dead ripe—and ameter.

twine on poles, or hy spearing, on lath. It Perbaps the reader will inquire the expense should be huug thin, to give a free circulation any sap upon being twisted. Watch, now, a breaking or cracking the leaves; take it down go into another quality; and, lastly, the perpers. In assorting and stripping, pnt that of keeping the hutts even, and winding the baud smooth, and near the end of the butts. About the banks. Each quality is bulked separately, and well covered in and weighted down, to length, inside measure. Tohacco presses, or tal, \$102.50, or nearly \$15 per swarm. levers with follower and blocking, are used for pressing. Tobacco should he stored in a dry room where it will gain no moisture from outside influences. January, 1867.

#### A NEW HEDGE PLANT.

NEARLY all bedge plants in common use hitherto have exhibited some radical defect that has prevented them from being extensively popular. The Walbingford Circular suggests a new shrub, which is common enough, but which has been used very little for hedge purposes, and if what is said for it, is correct, it is just the plant to be set for hedges in New Eng-

A hedge plant to become popular must be perfectly hardy and casy to propagate. It should also be vigorous enough to grow well in ordinary soils without manure. It should be thorny, to keep cattle from hooking it, and strong enough to keep them from breaking through it. Finally, it should be low enough to require little or no pruning. The commou barberry (barberis vulgaris) combines these qualities better than any plant that I am acquaiuted with. The barherry is a native of the northern part of Europe and Asia; but has become thoroughly naturalized, and is now found growing wild in the waste grounds of New England. It is a remarkably hardy plant, thriving in a great variety of soils, and it is said to live for centuries. It has a shruhhy yellowish thorny wood, leaves in rosettes, yellow flowers on drooping racemes, and scarlet, oblong berries, very acid, and making delicious

We have a barberry hedge on our grounds at 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 one foot apart in the row, and set aleven, and is now six or seven feet high, with clipped a little once or twice, and is now five feet high, thick and compact at the base, and already so strong that the fence was taken away last fall, leaving in its place only a slight railing of a single board, six or eight inches can make another year's growth, it being situated on a highway where cattle are passing

Hop-Growing ann its Profits.—A corres pondeut of the Wisconsin Farmer furnishes the following facts and figures on this interesting department of husbandry

Value of land, 7 acres at \$60.  Cost of 12,000 poles, at $6\frac{1}{2}$ cents.  "Hop House. "Pers and Furnaces. "Hop-boxes.	780 00 700 00
Making the total permanent outlay. Charging to this year's crop 20 per cent, for wear at Interest, we bave 20 per cent of \$2,090 Cost of cultivation and manure. Cost of picking, haling and marketing.	418 00 542 00
Total expenses. Received for crop. Net profit of crop.	\$2,400 00 8,150 00

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 hop-grower beaten this?-If so, let him furnish his statement and it shall

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 the account stands thus: nine new swarms at \$5, \$45; \$1100. Had the same amount been laid out ter the tobacco is all stripped, for casing, when one hundred and fifty pounds white clover on old land, equally good, the product would it is ready for market. About 375 pounds are housey at thirty cents, \$45; fifty pounds buckpressed into a box  $2\frac{1}{2}$  feet square, by  $3\frac{1}{2}$  feet in wheat honey, at twenty-five cents, \$1.50; to-

> Pea Straw is richer in oil, albuminous or flesh-forming matter, thau the straw of the cereals. The woody fibre is also more digestible. This fully accounts 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 ground.

> Mr. Andrew MeLaughliu, of Pcacham, Vt., raised 58 bushels of wheat on  $1\frac{1}{2}$  acres of land.

 $\Lambda$  poctor's wife attempted to move him by her tears. "Ann," said he, "tears are uscless." I have analyzed them. They contain a little phosphate of lime, some chlorate of sodium

# Advertising Department.

### Rhode Island.

MILL RIVER IRON WORKS WOONSOCKET, B. I.

W. A. HENNESSEY,.....Proprietor.

Boilers repaired in a thorough manner at short notice

SHOPAT NORTH END, NEAR HARRIS'S NEW MILL Refers by permission to

RICE, BARTON & Co., Machinists and Boller Makers, Worces ter, Mass.

BELLOWS & WHITCOMB, Engineers, Worcester, Mass.

C. W. KIMBALL, EsQ., late Master Mechanic U. S. Armory,
Springfield, Mass. Springfield, Mass. Hon. E. Harris, Woonsocket.

A GRICULTURAL IMPLEMENTS.—A. S. Arrold, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Sharces & Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Oarden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

W. E. BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Shares' Patent Horse Hoes, Chase's Two Horse Potato Diggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

pound. This advance, in part, was owing to the leaves get four or five inches long. Moist ordinary farm stock, except at a short distance perry's new, first premium, lock hay cuttees superior culture and greater experience in both weather is best for transplanting, and if care-at one end, where the soil is quite thin. On the best in use, for sale by weather is best for transplanting, and if care-at one end, where the soil is quite thin. On the best in use, for sale by weather is best for transplanting, and if care-at one end, where the soil is quite thin.

EXTRA HEAVY PLOWS, for road work up new land, made by W. E. B. W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged to be best in market, are for sale in lots or by single dozens, tbe best in market, are for sale in lots or by single dozens, the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

### massachusetts.

LYOWLS FOR SALE.—The subscriber will sell a few pairs of R Grey Dorkings; also, several pairs of Brahmas, at; \$6 per pair, hoxed and provided with food, delivered to express; H. G. WHITE, So. Framingham, Mass. 1w-2

HAY FOR SALE.—From seven to ten tons of good Meadov Hay. ARNOLD TAFT, Mendon, Mass.

LUMBER FOR SALE.—Twelve to fifteen thousand feet of Chestnut Lumber—most of it two inch Plank.

ARNOLH TAFT,

Mendon, Mass.



THE FARM AND FIRESIDE 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 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 offensive to good morals. In all its columns this journal will advocate the best interests of the farm and the fireside. Terms—\$2,00 per year, invariably in advance.



ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT OF RHODE ISLAND.

VOL. 1.

## WOONSOCKET, R. I., SATURDAY, JANUARY 26, 1867.

NO. 3.

## Winter Scenery.

THE SNOW STORM.

BY R. W. EMERSON.

Announced by all the trumpets of the sky, Arrives the snow, and, driving o'er the fields, Seems nowhere to alight: the whited air llides hills and woods, the river, and the heavens, And vells the farm-house at the garden's end. The sled and traveler stopped, the courier's feet Delayed, all friends shut out, the housemates sit Around the radiant fire-place, enclosed In a tumultuous privacy of storm,

Come see the north wind's masonry Out of an unseen quarry evermore Furnished with tile, the fierce artificer Curves his white bastion's with projected roof Round every windward stake, or tree, or door. Speeding, the myrlad-handed, his wild work So fanciful, so savage, naught cares he For number or proportion. Mockingly, On coop or kennel he hangs Parian wreaths A swan-like form invests the hidden thorn; Fills up the farmer's lane from wall to wall, Maugre the farmer's sighs; and, at the gate, A tapering turret overtops the work.

And when his hours are numbered, and the world Is all his own, retiring, as he were not, Leaves, when the sun appears, astonished Art To mimic in slow structures, stone by stone Built in an age, the mad wind's night-work, The frolic architecture of the snow.

# The Dairy.



BUTTER MAKING

Written for the Farm and Fireside,

It is a fact patent to all who have had opportunities of observing and practically testing, that good butter is more generally the rule on Philadelphia tables than on those of any other city in the country. This proves that all the requisites of producing a superior article of the winter, and pay all the expense of manuthis indispensible staple, are present in the dairy localities within market range of the few days, and determined upon an investigacity; for, although there is a great deal of tion of causes, and a radical reform, if that churned, so quickly as that from the same cow Northern and Western butter consumed by were possible. After a thorough search, find- in warm weather. Perhaps the pellicles which and in domestic cool ery, few tables in Philadelphia are supplied the inferior quality of his butter to the poor are thicker and tougher. There is one method have an orchard containing one and one-half with tub, firkin or roll butter from abroad. - cows partly, some to feed, and the remainder of obviating this trouble in a great degree. - acres. We kept the eaterpillars off-dug a Even the wives of mechanics and laborers prefer going into the market and purchasing a fresh pound, or half-pound "print," with which market stalls and huckster stands are almost always sufficiently supplied, though the eharge is a few cents more per pound, to buying Goshen and Ohio butter at reduced rates.

Nevertheless there is a great deal of butter made within a circle of forty miles about Philof nice looking "prints," that is only good by large per centum of all the produce of our do- third-rate material and low prices. T. could necticut, 99.

after all ought to bear, from impression by the "printer," in plain capitals, the initials—P. P. B.,-Pretty Poor Butter. Very pretty to the slovenliness. eye, but bearing an unpleasant odor, an objectionable flavor, and cutting iuto it, discovers a salvy, greasy, sticky compound, requiring some resolution and a stout stomach to reconcile one to its consumption.

To illustrate, practically, the difference between first and third class butter sold in Philadelphia, let us instauce an every-market-day fact, that has been such these twenty-five years. Two dairymen, living near neighbors in the country, and manufacturing weekly about equal amounts of butter, and selling on every market day in the city, side by side, their wares; Mr. H. always disposing of his as fast as he can serve it out-mostly to regular customers who have given him the "call" of the market, eonsecutively, year after year; several during the whole time that he has stood in market, all well pleased to pay ten cents per pound above the ruling rates, knowing that by so doing, they are securing the best butter iu market. At the same time the stock of Mr. T., his next door neighbor, both at home and in the market, goes off at a slow drag, at prices about parallel with the lowest, making the average difference annually, and always, between his "P. P. B., and Mr. H.'s superior butter, about fourteen cents per pound. So that as each briugs in about 175 bs. on every market day, Mr. T.'s stock, which has cost him just as much to mannfacture and market as his ncighbor's has him, pays him \$24.50 per week less than Mr. H.'s receipts for a like weight; besides keeping him an extra half day in market on account of slow sales, and his customers in a continual growl about the quality of his third-class compound.

About ten years ago, Mr. T. became exercised and greatly excited with the facts before him, that his neighbor H. realized every week, from the same amount of stock, nearly twentyfive dollars more than himself,-\$98 a month, -one thousand one hundred and seventy-six dollars per annum. Whew! What a foot-up at the end of every year. Enough, pretty nearly, to earry his whole dairy stock through facture. Mr. T. got very wide awake for a ing no especial fault anywhere else, he charged to poor water.

Mr. H. argued that, as the dairy stock of the two farms were about the same, as was the water also, and no material difference in either summer pasturage or winter feeding, he guessed the bad butter was chargeable mainly to bad management in making; and offcred, with T.'s permission, to experiment. T. was willing of course, and Mr. and Mrs. H. made the adelphia, and sent fresh to market in the form butter over at Mr. T.'s dairy one week. The result was very good butter-nearly equal to courtesy, and superior by comparison with that made by Mrs. H. at home, and a general foreign "roll" or "tub." To be perfectly astonishment of T.'s town customers for one

mestic dairy districts, vended in the Philadel-inot maintain the dairy principles taught him phia markets and caten by Philadelphians, that by his more intelligent neighbor, and so goes on to this day, selling "P. P. B.," throwing away \$24 to \$30 weekly, as a force offering to

The first requisites of good butter are good cows, good summer pasturage, winter-feeding, and always good, pure water. Then, always absolute cleanliness in everything connected with the process-milking, straining, skimming, churning, working over, and preparing the butter for market. Every thing should be perfectly sweet, and as clean as clean ean be. As tin pans will rust, and retain, after being in use some time—no matter how much you may serub and scald them-a sourness very bad for butter, hard glazed stone ware or glass pans are far preferable. These should be so large that a gallon of milk will not staud above four inches deep, and the cream should be carefully skimmed off before the milk has become so sonr as to begin to thicken.

In churuiug, don't try to hurry up the butter in ten minutes. The best butter is not brought out in a hurry. Take it moderately. In working over, hurry up as fast as you please, so that the work is well done. Don't depend on any of the patent "butter-workers." Not one of them, as yet, will bring out firstclass butter. They "work" too much, hreak up the grain, and make greasy salve. Work the butter by hand, but don't knead it. That operation is good for bread, but bad for butter.— Cuff and bat it rapidly to and fro with a clean, wet hand one side; and a clean, smooth paddle the other - first in ten pound batches or less, on a clean table, working in the salt and the butter-milk out, by cuffing. Then divide into pounds or half-pounds, and paddle and cuff a minute each, and print and put away for market in a clean, sweet, cool place.

By following faithfully this practice, every farmer's wife through a large portion of Delaware, West Jersey, and in all our Key Stone regions east of the Alleghanies, cau make first class butter. The New England farmers, in general, make excellent butter; but if they have any better method than is stated above, let me hear "how to do it."

CREAM IN COLD WEATHER .- For some reason not yet known, cream skimmed from milk in cold weather does not come to butter, when form the little sacks of butter in the eream, Set the pan of milk on the stove, or in some warm place, as soon as strained, and let it remain until quite warm-some say, until a bub- nure early in the spring-scraped the rough ble or two rises, or until a scum of cream begins to form on the surface.

To CURE POISON FROM IVY .- Rub the part poisoued with sweet oil. A small portion rubbed on the skin before going among the ivy will prevent taking the poison.

THE average number of acres in the farms of plain and honest in the premises, there is a week. But there was a rapid back-sliding to Massachusetts, is 94; Rhode Island, 96; Con- calculating if I live until spring to set out

## Garden and Orchard.

DRAINING A GARDEN.

Ir is a very small job to underdrain a garden. Suppose it contains half an acre, and this is twice as large as most farmers' gardens, then the expense need not be more than twenty dollars. Now autumn is the best time for all such operations; but a garden may frequently be drained in the winter. It can be done without any outlay, except for tile, and these will cost but little. If the soil is cloggy, or if it is so moist that you have to delay working it till late in the spring, it will more than pay. If the soil is shallow, compact, or cold, it will pay.

Draining deepens, warms, enriches and dries the soil, and thus lengthens the season. It brings spring from two to four weeks carlier than it otherwise would come. It will also give farmers an opportunity to test, without much expense, the advantages of under-draining. Many do not like to go into it extensively, till they know by personal experience the good it does. For all such, the garden is the place to hegin. There is one error we would urge all who have never seen much of draining not to commit; that is, do not dig a shallow ditch, and then fill it full of stones, brush, pieces of wood or rails, and call it an underdraiu. Do it well, or don't do it at all. Well done, is twice done; while half done, is not done at all.

WHITEWASHING FRUIT AND ORNAMENTAL Trees.—The practice of coating the bark of fruit and ornamental trees with whitewash is one that cannot be too severely deprecated .-The obstruction of the perspiratory organs and orifices, whether effected by the application of whitewash or any other adhesive material, always acts as a fruitful source of disease, and in time proves fatal to the tree. When the bark becomes rough, or incrusted with moss, it should be cleaned by scraping and washing down thoroughly with a solution of potash or soda in water, affording sunoothness to the surface without obstructing the pores .-AN OLD FARMER, in the Germantown Tele-

ORCHARD MANAGEMENT. - Daniel Smiley, aged 71 years, writes as follows to the Country Gentleman:

"Will it pay to take care of apple trees? I space round every tree, about 15 feet in diamcter-dug in a compost of muck an horse mabark off the bodies and limbs, and killed the worms that gathered ou the hodies of the trees, and gathered and sold from the same about 200 barrels, the sale amounting to \$700, besides paying for the harrels, while other orchards in our viciuity, as large as mine. produced scarcely en

boasting, but to induce others to go and do likewise

P. S.-I have a nursery three years old-am another orehard.



THE WORCESTER COUNTY CHEESE MANUFACTURING COMPANY held their annual meeting on Saturday, Jan. 5th, at Southbridge, Mass., at which the following officers were chosen: President, D. S. Ellis; Secretary, G. F. Brown; Treasurer, N. S. Hubbard. From the reports of the treasurer it appears that 170,823 gallons of milk were received at the factory, from which 142,767 pounds of cheese were made. The cheese was all sold, or recorded as sold at the factory. Whole amount of money received for cheese, \$2,7667.36; whole amount of expenses, \$3,369.85; net profits, \$23,697.51.— Average net price per pound, \$0.16.598. The factory proves a success to the farmers.





# Fireside Suggestions.

#### PRESERVATION OF MEAT.

Ir is a well known fact that lean meat, as beef, for instance, becomes dry, hard and innutritious by salting. Salt being chloride of sodium, and its chlorine having a great affinity for the soluble portions of the flesh-albumen, fibrine, etc., -- it attracts the juices, forming a brine, containing the larger portiou of the nutritious qualities, with the elements of phosphoric acid, potash and other mineral ingredients. As these are removed from the meat so is its fitness for food diminished. When lean meat is subjected to the action of salt, the deliquescent properties of the salt attracts the juices of the meat, and the brine resulting contains the mineral bases of the meat—the phosphoric acid, potash, etc.,—with the albuminous elements, all being held in the saline

Fat meat, or rather fat itself, is impervious to salt. The outside becomes indurated by the salt, and refuses entrance to the decomposing gases. Still, salt is a solvent, and it assimilates with the substances with which its solvent properties harmonize. If not adapted to its action as a chloride of sodium, readily uniting with the elements of animal substances except the fatty principle, it drains the meat subjected to its operation of its most valuable qualities. The action of salt, it will be seen from these brief remarks, is almost confined to the lean flesh to which it is applied; although, in fact, it is a necessary element in the preservation or preparation of animal food for the market.

In this connection we desire so say a few words as to the management of animals desigued for the slaughter house and the marconsiderable fear and agitation before being slaughtered have their flesh relaxed. They have been iu just the worst condition to preserve the fat already deposited on their bones, and in just the best condition for them to make good the waste, if offered the opportunity, to which they have been subjected. How necessary it is then, for the cattle brought from peaceful pastures to the abattoirs of the metropolis, to have some days of rest, with proper shelter and good food, before being hurried to the shambles.

The albumen, from which waste of exercise or work is to be made up, is exhausted. Why? Simply this: Muscular action is supported and sustained by the decomposition of carbon in the food eaten, and violent exercise, like a high chimney, induces a strong draft. The carbonaceous or life-giving elements burn out rapidly, when either forced exercise is demanded, or the agitation of the mind is allowed to react on the physical organism; and we are among those who believe that mind, or reason, or intellect, exists among the lower orders of animals as well as in the genus homo. These animals, then, intended for the slaughter, may, by the fear of unknown harm while in transitu on the cars, waste the vitalic force stored in the cellular tissues of their fat and be in a collapsed condition, to speak unechanically, when they arrive at the sbambles.

In fact, in this preservation of animal food for human consumption, there is involved a of the N. H. Farmer says: Repeated trials on law of nature. We have not time nor space as many different pieces of land, and each trial to detail the particulars. There is a latent a complete success, has convinced us that Deforce, or there is a latent heat—in this respect cember, the time we invariably do this, is the part of its organism. Vegetable subtances are valuable pasture land of ours, overrun with dinary winter weather. taken up by grazing animals and as soon as bushes, which had been many times cut over become a living force in the animal. This cut in the summer season, was by us cut over by anxiety or trouble, reaching through the of nearly five years, not a bush has sprouted sensual or the mental perceptions and affecting or started, and the land, though moist, is well the tissues of the physical structure. This stocked down to grass. may be seen every day. A worried man is never a fleshy man. Swine sometimes refuse to be fatted. They have trouble on their known that the leaves of geranium are an exfrom care and take to their food kindly. Care rubbed off, and other wounds of that kind.

The flesh of wild animals, those we obtain as food, is lean. They are full of anxiety, have no time to get fat, and their meat, when salted, is not nutritious. Take our domestic animals and they live "in clover," having no care, not harassed nor troubled. They grow fat, and not only put layers of fat over and between the farmer and his God. They work under the muscles, but extend it through the together. God has ground this realm (so geollean tissues. This is the meat, when properly killed, that delights the taste of the epicure soil. "He has sent the springs into the valand nourisbes the frame of omnivorous hu- leys, which run among the hills, and caused manity. We seldom think of preserving the the grass to grow for the cattle and herb for the meat of wild animals, especially those which service of man." These gifts are in the rough. hold their lives by a tenure of grace from un- The condition of their true enjoyment is useful resting enemies, by salt. We view them like and health-giving labor. The gold must be fish, as fit to be eaten only while fresh. We gathered or mined, the diamond polished. So do not salt down lean animals. Even from the soil must be patiently wrought and duly the meat of those given to fat we select the fat enriched; the tree, the clay, the stone, confor salting, the lean for eating fresh or at most 'corning.'

the salt and leave us the juices which contain none so generally receive them right from the nutriment, otherwise our "corned beef" would be only the whaleman's "mahogany" or the soldier's "salt horse," and we should be subject to the mishaps of the long sea voyages or the commissaries of the camp. — Scientific American.

#### MEAT AT BREAKFAST.

A RECENT Writer expresses his belief that meat should be taken at the morning meal, and thus gives his reasons:

It may not be digested so quickly as some starchy substances; but, as a rule, it is digested casily, and it certainly satisfies the system, and carries us farther in our work than vegetables alone. At this time meat should be taken ket. Animals which have been subjected to in a palatable and easily digestible formstewed, with the nutritieut juices saved in the sauces, and the aromatic principles developed by the heat; or, better than all, broiled, for here the juices are retained in the tissue, and the flavor is developed by the hardening and carmelizatiou, as it were, of the exterior .-Above all, avoid the abomination of frying fresh meat; not alone as a matter of taste, but as a violation of scientific laws. A fresh animal tissue which has soaked up a mass of fat is not in a proper condition to be taken into the system. Salted articles, which are generally so hardened that they will not so readily absorb the fat, as fish, and articles which are exposed but a short time to the very high temperature to which all fried articles are subjected, may be cooked in this way, but never good fresh meat.

RHUBARB WINE. - George Warne, M. D., Independence, Buchanan county, Iowa, says: "The rhubarb wine cannot be dangerous if kept till it gets age. I have some that has been bottled six years; the corks were driven in and tied down, and then sealed with sealing wax, and made as absolutely tight as I could make it, and it has now resolved itself into sweetened exercise or the excitement of driving, or the water. Guess what has become of the oxalic acid? Indeed, what has become of my winc? The ingredients are all there—the wine is not. It is a useless waste of time and material to make wine of rhubarb."

TIME TO CUT BUSHES.—A correspondent

GERANIUM LEAVES .- It is not generally iu a very short time.

### The Farm.

#### MORAL INFLUENCE OF FARMING.

THERE is a decided moral tendency in the direct and close dealing, if we may so speak, ogists tell us,) into a somewhat hard and thin verted into dwellings; the air and sunshine into corn and wine. The annual covering of the Our meat for preservation by salt must be sheep, and the life garment of the kine, into either fat in itself or have fat enough in the blankets and sandals. In short, labor and relean to neutralize the deliquescent quality of ward are inscribed on every gift of God, and giver as those who till the ground. There is less intervention of varioloid scrip and poisonous nickels. The vine holds out its clusters, the rich purple, all undisturbed. The apple, the pear, the peach, bend their branches to the gathering, fresh as only God can make them, The harvest field nods to the reaper, that is may become sheaves in his bosom, and bread to the hungry. The broad bosom of the meadow undulates and throbs with every breeze until sborn of its trophies. Even the "forests toss their giant branches" for shelter and for shade. Is there not a sense of great nearness to God amidst these blessings? a feeling of satisfaction and comfort closely allied to thanksgiving, praise and love?

#### STONE FOR STABLE FLOORS.

The use of stone in the construction of floors for stables, we believe, is not common in America, at least not in the central States. found them in universal use abroad, and they presented quite a marked feature in contrast with the plank floors which are so common with us. In some of the best stables, both for cattle and horses, cobble-stones are bedded into the earth in a similar way that pavements are made in the cities. At first they looked as if they might be uncomfortable, especially for horses, but we were assured no bad results followed from their use, and the uneveu surface was regarded as an advantage, as it served as a preventive to the animals slipping. Immediately back of the animals, the floors are made to descend, forming a curved ditch or alley for conducting the uriue. In looking at these stables, the thought often occurred whether similar structures could not be profitably introduced with us. The first cost may perhaps be a little more than plank, but in the long run they are infinitely cheaper. There is another advantage—the saving of room and the prevention of accumulated filth underneath the floor, quite common where plank is used.

cold climate stoue floors are liable to become frosty, thereby rendering cattle uncomfortable and proving injurious; but in properly-con-

the processes of digestion act, in fact sooner, by a former owner to no purpose, because the stables for cattle have floors composed of 2½a5c, per pound. slats not quite two inches apart, the slats being force can be expended by violent exercise or in December, 1861, and to this time, a period three inches thick and four inches wide. Below this floor is a tank built of brick and cemented water-tight for the reception of the manures, both liquid and solid. The tank, minds. To be made fat they must be free cellent application for cuts, where the skin is from time to time water is let in to liquify its sun. contents, so as to be conducted off into the cisin their case is dyspepsia. In the case of men, § One or two leaves must be bruised and applied § tern referred to. From this reservoir the liquid anxiety, producing or at least inducing dys- to the part, and the wound will be cicatrized is forced by steam through different parts of each; oranges one cent; bananas six for a the farm and the crops irrigated.

Under the system of irrigation adopted by Mr. Mechi, grand results have been obtained, but this plan of floor is more adapted to his peculiar system of husbanding manures,

Slatted floors, however, as a matter of convemence could be adopted with good results in hog-pens, and also for young calves in spring, which must be stabled until the weather is warm cnough to turn them out. In both cases they would serve the purpose of keeping the animals dry and clean, a consideration which adds greatly to their thrift. In raising calves, every one must have observed how difficult it is to keep the stables dry, requiring constant attention, in change of bedding which soon becomes foul. With slatted floors and conveniences for removing the manure below from time to time, would not only lesson labor, but by the use of muck or other absorbents to take up the liquid as it passes through the slats, would add considerable to the compost heap. For hogs Mr. Mechi's slats are three inches wide and one and one-quarter inches apart. For calves, two inches thick, three wide, and one and fiveeighths apart.

We saw floors in England that had been in use an hundred years with little or no repairs, and which were likely to last one hundred years more. The time will come when stone floors in many parts of our country will become a necessity, and it is a question whether their. adoption upon farms where stone may conveniently be had would not now be far more economical than wood. — Utica Herald.

#### PRICES OF LAND IN ENGLAND.

AT a recent sale of properties in Survey, belonging to the estates of Overend, Gurney & Co., bankrupts, the place called Cormongers, mansion and park, and about 162 acres, brought £50,500; Holmesdale, 50 acres, with houses and stabling, £19,500; Court Lodge, 9 acres and a house, £5,500; certain farms, 148 acres, £15,000—total, 369 acres, £80,500, equal to \$402,500, or nearly \$1,100 per acre. model farm fetched upwards of £20,000, quantity of land not given. The Nutfield property brought nearly £150,000. These exorbitant prices of land, with the moderate prices of farm produce, show that the proper wages of labor is merged in the price of land; just as, in our southern states, the proper value of land was absorbed in the cost of slaves that had to be purchased to till it.

It shows, further, the complicated processes which will be required in the social reconstruction of England, whereby the land monopoly is to be broken up, the landlord system abolished, the farmers to own the land they cultivate, and the laborers to become intelligent and independent voters, continually looking forward with the hope of becoming themselves the owner of land. Universal suffrage, universal education, the abolition of primogeniture and entails, the statute of distribution extended to all property, the elevation of the morals of the masses, will be mightily accelerated in their effects by a large emigration of the working classes, which will raise the price of labor to An objection might be urged, that in our some proportion with the price of land.

TEXAS—TERRIBLE STORM—PRIOE OF CAT-FLE.—The Commissioner of Agriculture has ducted stables it is doubtful whether any in- received a letter from a farmer at San Antonio, convenience would result from this source. Texas, stating that a terrible snow storm took Being lower down than plank, and upon the place there on New Year's day, and the weathground, there would be less exposure to winds er continued very cold; over one thousand and cold from beneath, and when timbers head of sheep perished from the cold on sevsynonymous terms—in all substances, and es- best season, at which time the growth of the were properly underpinned with wall, the heat eral farms in the neighborhood. The cattle pecially in substances taken by the animal as a year is evidently at an end. A piece of from the cattle must prevent freezing in all or- were in excellent order. Fine beeves were selling from \$14a\$15 each for specie. Sheep At Alderman Mechi's farm, near London, were selling at \$1 50 per head, and pork from

> It is a startling fact that if the earth were dependent alone upon the sun for heat, it would not keep in existence auimal and vegetable life upon its surface. It results from the researchwhich is some three feet deep, has a bottom es of Pomillott, that the stars furnish heat that slopes toward the centre, and is connected enough in the year to melt a crust of ice 70 feet with pipes to the large cistern outside, and thick-almost as much as is supplied by the

> > In Brazil large pineapples cost four cents cent, and cigars teu for a cent.



Tea Brands and their Meaning.—"Hyson" means "before the rains," or "flourishing spring," that is, carly in the spring; hence it is often called "Young Hyson." "Hyson Skin" is composed of the refuse of other kinds, the native term for which is "ca-skins." Refuse of still coarser descriptions, containing many stems, is called "tea bones." "Bohea" is the name of the hills in the region where it is collected. "Pekoe," or "Peceo," means "white hairs"—the down of tender leaves. "Powchorg"—"folded plant." "Southong"—"small plant." "Twankay" is the name of a small river in the region where it is bought. "Congo" is from a term signifying "labor," from the care required in its preparation.





## The Farm and Fireside.

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# Fireside Readings.

#### LOST IN THE SNOW.

On bush and brake the frost is hoar, While softly, up and down the floor, The feet of wintry moonbeams go: And in the hush, before the dawn, A hoyish face is growing wan.

The death watch answers bent for beat With his poor heart, that moves so slow; He hears the watchman in the street, He hears the river's singgish flow, And through his brain there runs a dim Remembrance of a childish hymn.

Again he lies upon the grass. Beneath a chestnut's flut'ring leaves; lle sees the mid-day giory pass, He hears the dove that faintly grieves; And all these memorles among There steals the hymn his mother sung.

No loving tears are on his cheek, No kisses on his eyelids faii; None mark the wrist-pulse growing weak, None listen to the Master's call; Alone, he goes, with bated hreath, To meet this mystery of death.

The moonbeams scarcely gild the panes, Her golden disc has dropped so low; He thinks how tired the men will be To-morrow, digging in the snow, Beside that grave the angels keep And whispers, "Now I'll go to sleep."

His ears grow dull to earthly sound The thin bands clasp upon his breast; wondrous music swells around— Ills soul hath entered into rest. Rise up, O sun, and hail the day! Through death he enters life for aye

#### GEN. WASHINGTON AT HOME.

GEN. WASHINGTON stood six feet three 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 with my pocket lens to scan them earefully. and evenly balanced, so that he earried his The boundless treasures so loug buried in the tallness gracefully, and appeared strikingly well on horseback. There has uever been a more active, sinewy figure than his when he was a young mau; it was ouly in later life that his movements became slow and dignified. His wife was a plump, pretty little woman, very sprightly and gay in her young days, and quite as fond of baving her own way as ladies usually arc. She settled down into a good, plaiu, domestic wife, who looked sharply after her servants, and was seldom seen without her needles iu full play. She an educated woman. Seareely any of the ladies of that day knew much more than to read their prayer book and almanac, and keep simple accounts. Mrs. Washington probably never read a book through in her life, and as to her spelling—the less said of it the better.— Washington himself, before he became a public mau, was a bad speller. People were not so particular, then, in such matters as they are When the General wrote for a 'rheam of paable to him thau confinement at the desk .books, which he seldom disturbed and never read long at a time.

The General and his wife lived happily together, but it is evident that, like most heir- ever ouward by the giaut strength of water.

ebrated authoress, Miss Bremer, is our authorithe mansion; and when all the inmates were in bed, and the house was still, he overheard, through the thin partition, the voice of Mrs. Washingtou. He could not but listen, and it was a curtain lecture which she was giving her lord. He had done something during the day 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,

"Now, good sleep to you, my dear." What an example to husbands!

When Washington was appointed to command the revolutionary armies, it is plain from his letters home that one of his greatest objectious to accepting the appointment was, the "nueasiness," as he termed it, that it would eause his wife to have him absent from home.—James Parton.

#### A HANDFUL OF SAND.

To the explorer, traveller, and iuvestigator or Nature's secrets, "Sand" is a page-perehauec a volume—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 have for ages woru their way. Each winter flood and summer storm lends its aid to break down, disintegrate, and drift away the detritus brought down by the ever fretting, ever wearing influeuee of ruuning water.

If you doubt as to the geological formation of distant hills and inaccessible mountains, consult a handful of saud from the nearest brook flowing from them, and much light will be thrown on the subject by the investigation. To examine sand, it has been my custom; after washing aud drying it, to lay a well-mixed portion, say the size of a shilling, over a sheet of clean white paper; to flatten out the pile until the particles are evenly distributed, and then wide valleys of California might have remained at rest and undiscovered to this day had not sand disclosed the golden secret, and thus it was divulged. One Capt. Sutter, an old soldier of the Americau Republic, had settled iu the valley of the Sacramento, Iaid out a farm, built a mill, and regularly established himself. It was found that the "race" constructed to carry off the water which had passed the wheel was not deep enough for its purpose. It was therefore decided that the water-power should be turned ou, and allowed to rush through, was far from being what we should now call and deepen it. The pent-up torrent not only did the duty it was called on to perform, but overflowed the banks, carrying turf, sticks, stoues and sand far over the meadows. As the water drained off, and the sun shoue out, the white quartz particles glittered like a thousand diamouds, and a handful was gathered by one of the Captain's people, when the yellow grains as well as white were discovered, examined, and found to be gold. How the human tide uow; and besides, there really was no settled flowed in endless throngs to the new El Dora- muck, would save a good deal of straw in litsystem of spelling a hundred years ago. do, and how splendid eities sprang into being tering yards and stalls. Sand, too, when unixed where a few mouths before, a herdsman's fire per,' a beaver 'hatt,' a suit of 'eloathes,' aud a and a lean wolfish-looking dog or two were meutation. Prof. Way's experiments proved pair of 'sattin' shoes, there was no Webster the only signs of occupation, need not be dwelt unabridged to keep people's spelling within on here, as they are matters of history. Harbounds. Nor was he much of a reader of graves, too, tempted by the golden prospects books. He read a little of the History of held out in the new lands, quitted Australia, Eugland uow and theu, aud a paper from the aud joined the gold seekers in California. Spectator ou rainy days, but he had but little there the rocks and drifts struck him as being literary taste. He was essentially an out-of- so much like those which he had left behind, door man, and few things were more disagree- that he, like Whittiugton, retraced his steps, visited the river-bed near his own home, gath-There was nothing in the house which could ered saud which told him the great gold secret, be called a library; he had a few old-fashioued and unlocked the vast coffers of the Antipodes. Many other highly valuable alluvial gold and diamond washings are dependent on, and have been discovered by the drifting sand borne

probable that the great Washington was some- luge boulders which, when the river bed is times favored with a curtain lecture. The cel- dry, the reeds withered and yellow, and the water-plants crumbled up like parched tobaceo ty for this surmise. She relates, that a gentleman leaves, look as though no carthly power could once slept at Mount Vernon in the room next stir them from their beds, are rolled pell-mell to that occupied by the master and mistress of over and against each other by winter floods or "spates" of molten snow that thander down from distant mountains,

> Each of these water-worn blocks lends its contribution to our "handful of sand." The mineral veins and quartz reefs traversed and intersected by the crushing mass are laid bare, pulverized as by a mighty mill, and ground into particles and fragments little more than sand. These, with other atoms worn from the bed of the torrent over which the abrading masses have passed, are borne onward, and settle for a time, according to their gravity and size, to be again disturbed, earried ouward, redeposited, shaken about, fretted, rounded, and agaiu erushed. Your veritable "rolling stone" gathers no moss, indeed, but obtains, like many waifs and strays on the stream of life, a partien arly smooth surface instead. Onward and ever ouward journeys our sand, forming at times "bars" across rivers and the mouths or harbors, sliting-up lakes-a process now going on in that of Geneva-blocking up chanuels, forming "sinks" for whole rivers to disappear in, and, in fact doing its part to bring about many of the changes which the Earth's erust is always undergoing. On the burning deserts and among the sterile dunes, sand holds high festival; and well do I know, from painful experience, what a tryant he is, when whirling aloft like some huge pillar, curling round in mazy, spiral, ouward march, the saud storm is upou us, and we bow our heads in meek submission.

> RAINY WEATHER AND MORTALITY. - Notwithstanding that rainy weather causes colds and coughs, and even fever, it has lately beeu noticed, through combined meteorological observations and medical statisties, that rainy years are not so injurious to health as is commouly supposed. Heavy rains undoubtedly wash away many causes of contagious diseases Experiments in Liverpool, extending over a great many years, have proved that the heavier the rains of summer the less children die of diarrhræ. In Calcutta the cholera always diminishes in the rainy season there. In the low countries of Holland and Northern Germany, where fever and ague is eudemie, the number of patients suffering from this disease is very great in dry summers and small in rainy scasons. Mr. Rowell has kept tables from 1848 to 1866 that appear to prove that iu years when more rain falls thau usual the mortality is less than usual, and vice versa. In all this there is a hiut given directly by nature about the necessity of using plenty of water to keep everything clean aud wholesome.

IMPROVING MANURE.—Joseph Harris, in his Walks and Talks, says: "We are making a eellar under the old baru. The soil is very dry, and I spread a few eart loads of it on the top of the manure in the wettest parts of the barnyard. I was astonished at the effect. It absorbed the moisture and made a dryer surface for the eattle, far sooner and better than a good layer of straw. Of course we want some straw as well, but it is evident to me that a few cart loads of dry sand, or what is far better, dry with manure, has the effect of increasing ferthis to be the ease to an extent far greater than any one had previously thought possible. In our cold elimate, where it is difficult to get manure ready for spring crops, a little sand scattered occasionally on the manure yard would increase fermentation and prove bene-

WE sigh for the good old time. Each generation has a good old time that passes away and is twin-child to the present. The real the treatment of diseases incident to milch good old time is to come.

LOCAL AGENTS .- We wish a LOCAL AGENT, to obtain subesses, she was a little exacting, and it is highly So vast and irresistible is that strength, that strength, that strength, that strength, that strength, that strength of water. States. For terms, apply to the Publisher, at once.

DESTRUCTION OF SHEEP BY DOGS .- The following statement was made at the recent meeting of the wool growers of Illinois: The Commissioner of Agriculture estimated that for the year 1863, the damages resulting from dogs in the loyal States, with their 30,000,000 sheep. was not less than \$3,000,000. Estimating the damages on our 22,000,000 sheep iu Illinois at the same rate, gives \$200,900 as our annual direct loss of sheep killed by dogs. To make the account full against dogs, we must also estimate the cost of their keeping. Ohio estimates the number of her dogs at 500,000. Illinois had probably at least as many, which gives one to about five of our population. It is cheap to estimate the board of these dogs at 25 eents per week each, which makes it \$13 per year. Call it \$10 each per year, and this item then is \$5,900,000 for the keeping of dogs in the State of Ohio.

MINNESOTA PUBLIC LANDS, -In addition to the immense amount of public land granted to Minnesota for railroads, internal improvements and agricultural colleges, amounting to thirteen million acres, and to a vast amount already entered by settlers and speculators, amounting to ten million acres, there are still open to homestead settlement over thirty million acres of the best kind of agricultural lands within the borders of the State. Of the twenty-three million acres heretofore disposed of by the government, but \$2,692,923 have been realized to the

How to Purify Tainted Casks.—A correspondent of the Country Gentleman tells us how he does this: "Having had some sad experience with both pork and lard, I tried the experiment of putting a small armful of dry shavings in the eask, and setting them on fire. The result was that the grease, and all other mpurities absorbed by the wood of the cask, was brought to the surface and burned. It can then be washed perfectly cleau, and will be as good as new. The shavings should be kept moving by rolling the cask and stirring, that the fire may not burn the eask, and that the fire may search every part. Good for rancid lard-tubs and butter-firkins.'

WE have some celebrated runners in the United States, but searcely equal to a young Mexican, 33 years of age, named Gehoa, who lives at Hidalgo, in Southern Chihuahua. He has been known to beat a man on horseback for the distauce of eighty miles. He has often made one hundred and fifty miles in twenty four hours. A frieud of miue lately gave him \$5 to carry a letter fifty miles and bring an answer. He did it in twenty-two hours, taking, as he thought, pleuty of time, there being uo great hurry. The last fifty miles he made slowly, in seveu hours. From this may be gained some idea of the trained courier systems of Montezuma and the Peruvian ineas.—Mexican Correspondent.

CHEAP LAND IN ALABAMA.-Twenty-five farms have been soldin one section of Alabama for the low price of oue dollar per aere. A failure of crops caused creditors to force sales. One of the sales thus made was a plantation of six hundred acres for six hundred dollars. Before the war its owner possessed three hundred and fifty slaves and forty horses.

### Book Table.

DISEASES IN THE AMERICAN STABLE, FIELD AND FARM-YARD; by Robert McClare, Principal of the Merchants' Veterinary College, Philadelphia.

This is a work of great value to every man who owns or uses a horse. The author has divided the volume in three parts:-first, the diseases and treatment of the horse; -second, the medicines, prescriptions and preparatious used in veterinary practice; -third, the diseases and treatment of the ox, together with cows and calves. In a cursory reading of this volume, we are inclined to pronounce it emimently practical and correct-a book that should be in the library of every farmer, stock-



In seconding a motion before the New York Farmers' Club, for the appointment of a committee to inquire into the flour trade, and to petition the Legislature for a more efficient system of inspectiou, Dr. Snodgrass said, this question is important in a medical point of view. The profession of that city were well aware of the injurious effects produced by baker's bread. As the case now stands, millers and bakers are both charged with poisoning people. Dr. J. V. C. Smith inquired whether the weevil upon wheat was not one cause of the unwholesomeness of bread. Solon Robinson replied that he had sometimes been necessitated to eat it, when this odor was actually nauseating. The flour has a yellowish appearance and clammy feeling.







# A Farm Scene.

#### THE CIDER MILL.

Under he blue New England skies, The mountains clasp it, warm and sweet, Like a sunny child, to their rocky feet,

Three pearly lakes and a hundred streams Lic on its quiet heart of dreams

Its meadows are greenest ever seen; Its harvest fields have the hrightest sheen;

Through its trees the softest sunlight breaks, And the whitest lilies gem its lakes.

I love, oh! hetter than words can tell, lts every rock and grove and dell:

But most I love the gorge where the rill Comes down by the old brown cider mill.

By the roadside stands the cider mill,

A great brown huilding two stories high, On the western hill-face, warm and dry:

And odorous piles of apples there Fill with Incense the golden air:

And heaps of pumice, mixed with straw. To their amher sweets the late flies draw

The carts hack up to the upper door, And spill their treasures upon the floor:

Down through the toothed wheels they go To the wide, deep cider press helow;

And the screws are turned by slow degrees Down on the straw-laid cider cheese And with each turn a fuller stream

Bursts from beneath the groaning heam An amber stream the gods might sip, And fear no morrow's parched lips.

But wherefore gods? These ideal toys Were soulless to real New England hoys.

What classic goblet ever felt Such thrilling touches through it melt,

As throh electric along a straw When hoyish lips the cider draw?

The years are heavy with weary sounds And their discord life's sweet music drowns;

But yet I hear, oh! sweet, oh! sweet, The rill that hathed my hare, brown feet;

And yet the eider dips and falls On my inward ear at intervals;

To the habbling of that little stream:

And sit in a visloned autumn still,

# Landscape Gardening.

THE LAWN, OR FRONT GRASS PLAT.

Written for the Farm and Fireside, F. R. ELLIOTT, CLEVELAND, OHIO.

Every person owning a plat of ground on which stands his house home, desires of all things to have more or less of good, smooth, elean grassy turf. Those who have acres, give space enough for such purpose to have it designated as a lawn; while the owner of a fiftyfeet-front lot, can only have room to devete to turf, to get above the plain, but always pleasant term, of grass plat.

Those who visit Eugland and return to us, tell of the smooth, clean, ever-fresh turf that surrounds the homes of the old country; and often speak of our lawns and grass plats, when brown with drought and summer's heat, with almost contempt. It would be more to the credit of these travelers if they would study how these ever-fresh and green turfs had been created, and apply their knowledge to assisting the practical renovation of lawns in our own

An experience of twenty years, by the writer, in landscaping and forming grass-plats and lawns, in various parts of our States, couvinees cause of its constipating qualities. Eaten raw without we prepare the ground in a suitable the albumen and appear simply as liquid oil, manner therefor. To have fresh, clean turf while the albumeu is changed to a tough, suitable seed sown, and frequent mowing giv- aud almost as indigestible as sole leather. en to keep the grass from seeding, and thus exthe life of the grass by its fulfilling its natural Stilton cheese is a synonym of superior excelorder of reproducing itself by seed. In our lence to the English palate, and those who deep, we take out the poor soil and replace in favor, not only here, but in England. A ithe capital invested.

has a soil light and loose at least sixteen inches deep; the top two inches being the best, and finely pulverized. We pick out every stoue above the size of an egg, and every stick, and with our ground so prepared, we wait for one good rain, if we ean, to let it settle, as at times it does not settle perfectly even; and if the seed is at once sown, much of it would have to be disturbed in the after-seeding. As soon as we have one good rain and our lawn has settled, we go on it with rake and spade; and as we rake it over, level the inequalities of surface made in settling. This done, we take of blue grass seed thirty pounds; of red top seed, thirty pounds; of white clover, sixteen pounds, per acre, or in a like proportion 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.-Then we pass the rake over lightly, back and forth. Then sow another parcel, and again rake; and theu sow the remainder of the seed; and if we have a roller, pass that over the ground; but if we have 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 laying first a board, then standing on it to lay the next, and so on, standing ou one board to lay the other until we have gone over the whole piece. When the seed has come up aud grown about two inches, this rolling or pressing should be repeated; and as soon as the grass is four inches high it should be mown, and spread evenly over the ground and left to decay. Roll or press again, and so continue the practice during the season.

Those who attempt to make good lawns or have fresh grass plats by spading four to six inches deep, and sowing on a little seed, perform just so much of labor and expense for the production of a little grass in Spring, weeds in Summer, and straggling tufts of grass and weeds in Autuun. The old saying, that "if a thing is worth doing at all, it is worth doing well," holds good in the work of lawn making, and perhaps stronger than in that of almost any other labor for the production of ornamental comfort.

January, 1867.

### CHEESE AS FOOD.

COMPARED with other people the Americans place but little value on cheese as an article of food. We use it as a condiment, sauce, or side dish, rather than as necessary or proper food. In England, Scotland, Ireland, Wales, and in many parts of continental Europe, it is regarded as a common and sometimes a necessary article of food. There is reason why it should 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 substance, useful in building up the muscles, and the buttery matter is a concentrated carbon as nseful, in its way, for food as fat meat. The Swiss chamois hunters take on their expeditions among the higher Alps, where they remain sometimes for days together, exposed to intense cold and undergoing the hardest of exercise, ouly a small quantity of cheese and a flask of brandy. The English harvesters live on ale, cheese, bread, and occasionally a bit of nel with thin paper, sufficient only to hold the cheese as a common article of food.

With some persons cheese is not in favor behim that we can and do have equally beautiful it is less so than when toasted or made into the lawns, although perhaps of less extent, as popular dish known as Welsh rare-bit. In those of England. But we cannot have good this form it is searcely fit for the human stomlawns, no more than we can grow good eorn, ach. The fatty particles are separated from the season through, the soil must be prepared, stringy substance, without nutritious qualities

Cheese derives a factitious and market value

with good, until our whole lawn or grass plat late number of the London Grocer says:-"The Americans and Canadians are emulating our most successful dairymen, and really choice American and Canadian cheese may now be obtained from those English importers who have made themselves well acquainted with hot house. the best sources of supply."

If cheese could be afforded at a fair price as compared with other meat, there is no reason by a hail-storm, and on viewing the wreck, rewhy it should not become, in a measure, a substitute, as it seems to be especially adapted to anything without overdoing it. restore the force expended by those whose work is extra laborious and exhaustive; aud indeed it may be questioned, now, whether it is not as cheap, all things cousidered, as fresh meats. It is a subject worthy some considera-

#### THE MIND DEPENDENT ON THE BODY.

GREAT meu, have as a rule, had strong, handsome, fine-fibred, enduring bodies. Napoleon little more; it will encourage him to do better. was very strongly and handsomely built, and had immeuse powers of working aud euduriug 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 athletic vigor. Charlemange was of eolossal stature and vast physical strength. Washington was an exceedingly strong man. Henry Ward Beecher is remarkahly powerful in his make, stroug-limbed, deep-chested, heavy, and at the same time quick and active. Daniel Webster was of massive physical proportious. Hemy Clay had immense endurance. So had S. S. Prentiss, probably the most wonderful orator the United States ever produced, and who could travel, speak, eat, talk, plead in court, and gamble over a faro table 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 Cæsar I have spoken. Frederick the Great had it; and Marshal Saxe, the strongest mau of his day; and Charles XII. of Sweden, and Gustavus Adolphus. Great philosophers and great poets and artists have not been so remarkable for vast strength as for fineuess of texture and (iu the case of the poets at lcast) for personal beauty. Goethe was wonderfully handsome and stately in person. Shakespeare was a haudsome man. Milton was singularly attractive in persou. Rohert Burns was handsome and vigorous. Byron, though lame, had otherwise an extremely fine face and person. Tennyson is a man of great strength and commanding and handsome physique. Southey aud Wordsworth were men of fine person, Keats was handsome. Raphael, Albert Durer, Michael Angelo, Titiau, Leonardo da Vinci, Rubeus, Vandyke, were all men of very beauti ful or of very stately personal appearance.-Herald of Health.

REMEDY FOR CHOKED CATTLE.—A correspondent of the Country Gentleman writes as

"I give your avaluable remedy for choked cattle, whether choked with apples, turnips, &c.: Take a small pareel of gunpowder about two or three thimbles full-make a small funmutton. The Germaus and Hollauders nse powder; elose the large eud by folding-iusert it in the passage of the throat either with the fingers or hand, or by using a small stick—split so as to grasp the small end of the funnel, and to be easily withdrawn when desired. Nothing else to be done. This has been tried successfully by some of the best stock raisers, and has never failed, I believe, in any ease."

ery farmer the importance of keeping a cor- ing from the tropics, and the voice of Spring rect account of all he does-not only in his hausting, rapidly, the soil, as well as reducing from the districts in which it is produced. The others, but with himself and farm. Keep an where there shall be life, and growth, and experience we have found the following pract have made themselves acquainted with Ten- of all expenditures and receipts in farm and shall shine, and the crusts of tyrauny and the tice to give as satisfactory results: First, we tonic tastes understand well what is meant by household operatious. You can then, at the frosts of oppression shall melt away beneath dig or plow our ground at least tweuty inches Limburger and Sweitzerkase. But for years close of the year, tell which crop has paid its rays, and the humblest as well as the loftiest deep; next, if the soil is not sixteen inches past the American cheeses have been growing best, and what per cent. you are receiving for creature shall yet stand in the light and liberty

# The Chip Basket.

A MAN who had a seolding wife, heing asked what he did for a living, replied that he kept a

An old lady, who had insisted on her minister praying for rain, had her cabbages cut up marked that she never knew him to undertake

A HUNDRED thousand reapers and mowers were mannfactured in the United States last

The Chinese supply themselves with soap by scraping the pods of a certain leguminous plant. After rubbiug the linen with this pulp, it is ready for the riusing tub.

PAY a hand, if he is a poor hand, all you promise him; if he is a good hand, pay him a

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 would be calm and quiet, if the winds did not trouble it.

Josh Billings on Preaching.—"I always advise short sermons, especially on a hot Sunday. 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 few days since, in the market, of the excessive high price of provisions. "It is not the meat only that is so enormously dear," said she, "but I can not obtain flour for a pudding for less than double the usual price, and they do not make the eggs half so large as they used to be!"

### ANCIENT HOSPITALITY.

Ir was once the universal custom to place ale or some strong liquor in the chamber 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 often reached excess, was by no means nu-

It is a current story in Teviotdale, that in the house of au ancient family of distinction, much addicted to the Preshyteriau cause, a Bible was always put into the sleeping apartment of the guests, along with a bottle of strong ale. On one occasion, there was a meeting of clergymeu in the vicinity of the castle, all of whom were invited to dinner by the worthy baronet, and several abode there

According to the fashion of the times, seveu of the reverend guests were allotted to one large barrack-room, which was used on such oecasions of extended hospitality. The butler took care that the divines were presented, according to custom, each with a Bible and a bottle of porter. But after a little consultation among themselves, they are said to have re-called the domestic just as he was leaving the apartment.

"My friend," said one of the venerable guests, "you must know that when we meet together, the youngest minister reads aloud a portion of Scripture to the rest; only one Bihle, therefore, is necessary; take away the other six, and in their place bring six more bottles of wine."

WINTER THOUGHT.—It is winter now. The earth is frost-hound, and incrusted with ice FARM ACCOUNTS.-We would nrge upon ev- and snow; but soon the sun will come wheelwill call, and the violets and daisies shall hear dealings with the mechanic, merchant, and it, as well as the piues in Oregon, and everyaccount of your hired help-the expense of beauty. So it is with mau. His winter has each kind of crop raised—the product—in fact been long and dark; but the sun of God's love of the sons of God.



A King's Debts.—In John Bruce's "Calendar of State Papers" of the reign of Charles I, now publishing in a series of volumes by Longmans, London, there are many petitions from tradesmen to the King, praying for the settlement of their claims. Hester Rogers, widow of a royal jeweler, complains that she is utterly unable to pay three pounds sterling ship-money, for which she was in custody, there being two thousand pounds owing to her late husband for jewels delivered in the first year of the King's reign, besides one thousand two hundred and forty-eight pounds due from the king's mother, Queen Anne of Denmark. The non-payment of this money had ruined herself and children. There are petitions from his Majesty's ponlterer and fishmonger, also asking for debts long due.





# Farm and Pireside

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JANUARY 26, 1867.

#### IN-DOOR LIFE ON THE FARM.

WE often hear people talk of the hard work performed in planting, having 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, and how to make farming more productive. Yet we rarely hear anything said, in sympathy or praise, of the immense labor, care and perplexity of those who attend to the In-door dnties of the Farm. It is there, to a great extent, that the farmer makes his profit and reaps his daily harvest. The patient, toiling wife; the industrious, economical daughters, and the faithful, hard-working female domestics, never cease work in all the honrs of the day. The sun rises and sets and yet the work is uever finished. Industrious hands and loving hearts labor continually, persistently, always in fact, In-doors 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 cheer and alleviate the wife, danghter and domestic who do so much for their prosperity and happiness. -But there are thousands of farmers who either never counted up the great aggregate of labor performed in the house, or else are so absorbed in their own duties that they cannot stop to think of them. This latter class is, unfortunately, too large. And, it belongs to a class not the most industrious or prosperous; many of whom neglect to manage their business to the best advantage, who are away from home more than is necessary, and who are often discontented with their lot or profession.

Let us go into a farm house and we will soon tell you if the wife is a peer or a slave; if the danghters are encouraged and appreciated, or if the servant has a sympathetic and realizing master. A look into the 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 household, there everything is generally neat, well arranged and systematic. He has labor-saving machinery, improved utensils, abundance of supplies, and an air of thrift, prosperity and cheerfulness is all around us. The old kitchen laughs at us from the door to the chimney. from the floor to the rafters. But if we go into the bouse of the "don't-eare" and "let-itgo" farmer, we notice the reverse of all this. The poor wife looks the picture o. Leglect 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 colored? Perhaps it is, but it's as near the truth as most things in farm-life. The fact cannot be denied that In-door life on the Farm presents two distinct phases. One is where the farmer 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 our rural friends. Lord Bacon claimed that every man was a debtor to his profession; and what class of our citizens to their calling than the agricultur ists? Without knowing it thoroughly and practically, none can succeed; and without sympathy and hearty eo-operation with the Indoor affairs of the Farm, you cannot thrive; nor will domestic peace and happiness be your companions.

STEAM PLOWING.—A steam plow, just reecived from England, is creating much interest at New Orleans. It is to be used on a plantation in that vicinity.

We have long been of the opinion that the day is not distant when steam plows will be extensively used on the prairies of the West.

Minnesota is a young giant. Last year she exported 9,109,711 bushels of wheat and flour. three-cent stamp.

#### REMEMBER THE STOCK

The severity of the great snow-storm of To the Editors of the Farm and Fireside : last week, is remembered by your cattle and horses, if they were exposed to its fury. Humane and thoughtful farmers, of course, looked after their stock; but there are some men who are wholly negligent of the health and comfort of their barn-yard friends. Such farmers, lose, annually, more or less by careless treatment 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 saved by timely attention. Young animals require especial eare, and yet they are the most frequently neglected, both as to shelter and food. A great many calves, lambs and colts are lost in this way; others, also, are so much stricted, by cold and starvation, that they never regain their natural vigor. You do not fail to protect and feed your young children; then why neglect young animals? They require similar care and attention; and, if well protected ample and appropriate food, soon gain strength our Northern winters. Let every farmer remember that his stock are not proof against the arrows of the Frost-King; and that "every 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, consider it not

"As the bleating Of the lamb to the butcher, or as the cry Of seamen to the surge,"

but 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 sheep, worth \$8,000,000, yielding annually \$3,000,000. 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 world; that Illinois protests against being taxed to support the Government while being put in competition with those who contribute nothing; that the dissolution of the wool business by any improvidence in the tariff must effect financial disaster, and impair manufactures. For these reasons, the House Tariff bill (718) is nrgently recommended by them.-Gov. Yates has written a letter to the Couvention, stating his belief that 10 cents per pound ou imported wool is little enough, and deelaring that he should advocate its incorporation into the Tariff bill. We trust that a tariff beneficial to both manufacturer and grower will soon be agreed to.

High Prices Abroad.—It seems not to be a profusion of "greenbacks" alone that causes high prices, for British papers are filled with the same complaints as our own, of the greatly increased cost of living. A Glasgow paper publishes a statement showing an advance in all the staple articles of food, averaging about 36 per cent. now, as compared with two years ago. Among its figures are these:

	186	4.	186	6.		ring a
	8.	d.	9.	d.	rise	01
Beef-Roast	0	9	1	0	33 pe	r cent
Mutton-Roasl	0	8	Ū	10	25	64
Butter-Fresh		0	1	5	42	64
Bread-Per loaf	1 lbs0	6	0	8	33	61
Meal-Perstone.		0	2	8	33	6.6
Polatoes-Per sto	one0	6	0	8	33	44
Flour		2	2	10	31	6.6
Milk-Double in	price				100	64
Coals-Cwt		7	0	91/1	35	4.6
Cotton-Yard	0	8	1	0	33	6.4

BEET SUGAR.—The Western States are going into the manufacture of beet sugar. At Chatsworth, Illinois, is a factory that has been running two years, and turns out three tons of sugar a day. There is little doubt that the Western States will be able to supply all the sngar and molasses needed for their own consumption, within twenty years. There is no part of the country, however, better adapted to growing suitable beets and making them into sngar, than the Middle States or even New England; and it is a little surprising that attention has not been directed in that way.

FIRESIDE will be forwarded to any address, on the receipt of a

#### A BRIEF VISIT TO PETER HENDERSON.

HAVING long admired the pungent and intelligent contributions of Mr. Henderson to the Horticultural magazines, and learning that his garden was near New York, I decided, while on a visit to that city, to give him a call. For the purpose of obtaining information as to the best way to reach his honse, I called at the seed store kept by Mr. Henderson and a Mr. Fleming, under the co-partnership name of Henderson & Fleming, in Nassau street. I learned that Mr. Henderson had been in the city in the morning, according to his custom, but had returned home. I passed a half hour very agreeably with Mr. Fleming, a frank and genial gentleman, with a countenance cloquently indicative of robust health and good spirits, and then took my way to Jersey Ferry, in accordance with Mr. Fleming's instructions Arrived at Jersey City, I took one of the South Bergen horse cars, which conveyed me nearly to Mr. Henderson's grounds. I found the gardens delightfully situated on a gentle against inclement weather and provided with slope overlooking the bay, and having a fine view of New York. It was a mild and genial and hardiness sufficient to bear the severities of day in Spring, and as I passed into the enclosnre, I paused to enjoy the beauty of the tranquil scene. I also felt a little reluctance to enter, as my visit was one of mere curiosity, and I had formed the idea that as Mr. Henderson was a kind of autocrat in Horticultural literature, and a rather bluff and despotic one at times, I might get a rebuff from the mighty and veuerable 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 if he was working hard, had the appearance of being an overseer. In reply to my inquiry for Mr. Henderson, he pleasantly announced himself as the gentleman sought for. What erroneous opinions we do form of those we read of but have not seen! The Peter Henderson of my imagination was a man of about sixty, stont in person, reserved in manners, gruff in speech; in fact, a personage somewhat after the style and appearance of the typical John Bull. The Peter Heuderson, now self-introduced, was a trim-built man of youngish appearance, with no superfluous flesh, either in breadth or height, just a "fine strapping fellow;" and as free, chatty and sociable as you please. He at once and very cheerfully undertook to show me through the long row of glass houses; and although they were filled with objects of admiration, and Mr. Henderson's remarks upon their culture and peculiarities were instructive and interesting, I could not keep my mind from wondering at the man himself. So I said to him, "Mr. 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, acquired the degree of literary education indicated by your writing?" Modestly disclaiming the implied compliment, he replied that his opportunities for obtaining an education had been so limited that he considered himself an unedneated man. He added that he had always been a working man, and that the most of his published articles were written during the

> Mr. H. has quite a fortnne in his real estate, apart from its value as a garden; its proximity to New York having rendered it valuable for building sites. I think he told me that he paid \$500 per acre for it some nine years ago; must soon be worth, I should from \$10,000 per acre. He has a new and el. Pear Culture, so frequently regarded as a delnegant house, so located as to command a fine view of his gardens and the adjacent country for many miles, and seems to enjoy a degree of prosperity such as seldom attends the tiller of another occasion. the soil.

leisure hours of Winter.

January, 1867.

Wilder, of Massachusetts, has been appointed, by the United States Agricultural Society, Special Commissioner to the French Exposition and to the Agricultural who saw it recently, pronounced it an animal Exhibitions of Europe next Autumn.

A Cranberry Company, with a capital of SEND A STAMP.—Specimen numbers of the FARM AND \$150,000, has recently purchased a thousand acres of land, near Atsion, New Jersey.

# Harticulture.

THE PROFITS OF GARDENING.

Wrillen for the Farm and Fireside, BY R. ROBINSON SCOTT, PHILADELPHIA.

There are two distinct branches of gardening, which cannot, among us, be too well defined or too clearly separated, in order to avoid misconception and disappointment. One class of cultivators operate on the soil and its prodnets merely in a commercial point of view, as a remunerative business; the other as a branch of refining pleasure, as an aid to the education of the faculties and elevation of the mind, as well as the gratification of the senses.

The idea that both ends may be attained, to any fair extent, by any general arrangements or provisions, leads to disappointments which too frequently end in the disconragement of horticulture as an art. To speak more plainly, 'Market Gardening," as it is styled, is quite different in its aims and practice from "Amateur" or "Ornamental Gardening."

Yet no fundamental difference exists in the rules which science has prescribed for the guidance of the intelligent cultivator in either ease—the variation is in the means and appliances, the extent, the amount of capital invested to produce a certain result, well defined and ascertained.

Should any well-to-do-merchaut, for instance, having realized a fair competency, desire a country life, and imagine that, by a moderate outlay in addition to the crection of his mansion and laying out of his grounds, he might economize his annual outlay by marketing his surplus garden crops—fruits and esculents and make his arrangements to this end,-my argument is, that the result will prove unsatisfactory, though not for many years disastrous; and instead of adding to his gratification by lessening its cost, have the very opposite effect.

To put this in practical terms: An assortment of fruit trees and fruiting plants are obtained and planted, ostensibly for family use, but if over-abandant in supply, to be sent to market. They receive ordinary cultivationnot special care—they are not varieties especially adapted for marketing (for there is something in this), they not only do not produce any surplus in a reasonable time, but they do not even furnish the most moderate expectations of the hopeful amateur. To fully state the various canses for this result, can best be done by demonstration, as it can be by quoting actual instances of such failures which are at

So in Fruit Culture under glass, many instances can be adduced in this vicinity to prove the position assumed,

But, let the experienced fruit cultivator, skilled in the required soil, the required varieties, and necessary routine of treatment, from the planting the tree to the ripening and marketing 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 this is self evident. In the Esculent, or "Truck Farm," it is an established fact that gardening returns the largest profits for extent of laud and capital invested, on lands especially greatly enhanced in value by contiguity to large cities. What land eosting one thousand dollars per aere, as land does cost in this vicinity, can be cultivated or cropped profitably in any other way than in "Small Fruits" or Escalents for city consumption? Even sion, can be made profitable.

But this article has extended beyond the limits intended, and will be followed up on

January 23, 1867.

FINE CALF.-Mr. Joseph Clynick, of East Nottingham township, Chester county, Pa., has a calf cleven months old, that weighs eight hundred and sixteen pounds. A friend of great beauty and promise.

### HOW TO OBTAIN THE FARM AND FIRESIDE.

SEND Two DOLLARS to the Publisher, by mail ; or, if there be a news-dealer near you, order it of him. The FARM AND FIRESIDE will be sold at all News Offices. Single copy, 5 cents.



AGRICULTURE IN FRANCE.—The Journal de l'Agriculture says: "The agricultural statistics of France for 1866 are not very bril average. Wine will be abundant, but of very ordinary quality. Potatoes are rotting in the storehouses; in many instances fears to preserve sufficient for the next planting. Olives will furnish a better erop than was expected. Tobacco is affected with the rot. "The agricultural statistics of France for 1866 are not very brilliant. The eorn erop is below the fears are entertained of not being able rot. Walnuts and chestnuts have pro-The disasters of the silk-worm enlure add darker shadows to the picture. The eider fruits offer a valuable resource, and several specduced the ordinary quantity. ial erops, such as hemp and colza, have been good. There is, therefore, some compensation for the evil, and above all, hopes for the future.





# Fireside Tales.

#### MY LOST ALICE.

I know 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 affirm that I helieve in the infinite joy of Heaven, 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 enough. I shnt my eyes, and seem to see again a pale, fair face, with delicate, straight features, eyes full of soft light, dark drooping hair-such a face as Lnini painted, in a dead century, as his isfied with it. conception of the Virgin Mother, "blessed among women "-that was Alice.

aequaintances enough-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 contradicted each other. My life was quiet in the extreme. I was surday's work or their day's pleasure, with little thought beyond. I used sometimes to wonder what they would do if suddenly translated into a purely spiritual existence—their occupation would be so utterly gone. Such people made me shrink more and more into myself .-I could not speak to them of themes which none at all. This omission troubled me, and I they would have found as barreu of interest and as incomprehensible as an unknown tongne. 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 in a distant city, and she did home all I could find, and arranged them in not see or hear from him often enough to in- Alice's room, for she was to come to our house. terrupt our friendship. She wrote to him one week, and he answered her letter the next, and natural she should he with me. Taking board four times a year he came to Glenwood. For the rest I could have Aliee to myself.

I saw this Marcus Glendenning on his first visit to Alice, after I knew her. He was her second cousin, but as unlike her, except in ment of her room I went over to the station name, as possible. He must have taken his and waited for the cars to come in. The momental and physical traits from the other side of his ancestry. I did not like him, though I that my presentiment was verified; that the tried to for Alice's sake. There was something in his face 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 nnmistakably jet hlack. Like all such eyes which I have ever met they revealed nothing. Whatever emotion stirred him they glittered unehangeably. I do not like such eyes.-There is something in their mystery which warns me of unseen breakers. From the first I had no faith in Mr. 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 blnsh, and a quiver of her sensitive lips, which made me love, Margaret? I know by these flowers you think of a grieved child. "I love him better bave been thinking of me all day." than anything else in this world."

him hetter than I did, and very likely judged you?" him more justly. At any rate she loved him, and that, with a girl like Alice, was a fact with such thing as real love in the world; for the which no pressure of outside influences could love I trusted in the most bas failed me.do away. If she were ever cured of it, it must Don't ask me any questions, dear. I could east wind arose, for all through the drouth knew her well enough to pray that for her to Marcus any longer. He has heen weighed feather. The parehed earth began to revive.— than this could soften it. I was not prepared such an evil day might be far off.

arrangements for their marriage, especially as "Found wanting!" she was an orphan, and might uaturally he supposed to desire a home of her own as soon put my arms round her and hold her fast, as possible. I spoke of this to her one day, and she said that they had beeu engaged al- own eyes were dry. most ever since they were children; and it had

have disquieted her; but I, loving her so tru-

The second autumu after she eame to Glenwood she received 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 her delighted acceptance of the invitation.

"Only think," she said, "to be near him one whole winter! I shall see more of him than I ever have since 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-

"I do n't think Marcus is half-pleased," she said to me. "He writes that he is glad, but She was my one friend, and I loved her as he adds that he had hoped I would come there those love who have few objects in life. I had first as his wife. Poor fellow! I think it troubles him that he is not ready to be married at once. But I shall cheer him up when I get there,'

Would she? I wondered; or would she find herself no longer mistress of his moods? A presentiment settled on my mind that I should rounded by men and women who lived in their uever see again my cheery, bonny Alice as she was when she went away.

The time 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 Marcus 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 clouds, and gathered the first blooms of the trailing arbutus. I always felt a enrious kinship with the shy flower. Its pink-and-white prettiness soothed me this day like the face of a long-absent friend. I carried She had to hoard somewhere, and it seemed ers was contrary to all rule and precedent with my mother, but I had persuaded her to make an exception in Alice's case,

When I had pleased myself in the arrangement she stepped upon the platform I knew bonny, happy, care-free Aliee who went away had 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 wakeful He need not know I am there. I can come nights, and the thin hand she gave me was feverish. She kissed me, not impulsively, as inust go, for no one else will teud him as I she 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 it, the ghost of a smile flitted across her face, and she said;

"I wonder if any thing could change your

"It seems, sometimes, as if there were no safe. be hy some wrong-doing on his part; and I not hear to answer them. I am not engaged in the balances and found wanting." When I had known her a year I began to stopped a moment, and then she repeated the wonder that he never urged her to make any last words in a low toue, unntterably sad-

> I dared not try to comfort her. I could only while I kissed her through my tears. But her

For three months after that life went on with been always understood that they were not to us in dreary fashiou. The most pitiful of all I helped. I think but for the rain he must loved Alice, began to pity him. I remembered marry until he had met with a certain degree was, too see how hard. Alice tried to he like have died. The fresh wind that came with it her words:

of success in his business. She was so trust- her old self-with what vain endeavor she seemed to bring him healing upon its wings. ful that I believe nothing of that kind could strove to interest herself in all the old themes we used to talk about together. How I longed ly, was far from satisfied with the devotion of to let her know that I understood the gentle this man to whom she had consecrated her hypoerisy, and was ready to weep with her; but I fancied the very effort she made might he doing her good, and I knew she was grateful to me 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 back utterly exhausted from the conflict, but mistress of herself. I longed to have her talk to me, but she never mentioned Marcus Glendenning'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 through July, and the August skies were like brass over our heads. People hoarded water like gold. They brought it from a river four miles away for the cattle to drink, and the poor, dumb creatures, pasturing 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 under the fervid heats perceptibly.

At last one day my father came in and handed her a letter. It hore the familiar post-mark which she had welcomed so many times; but it was in a strange handwriting. 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 one there want of me?"

"It is signed 'Jane B. Reynolds,' I said, glancing 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. Glendenming lay very ill of typhoid fever. The fever 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 directions, but 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 changed between us," Alice said quietly, as I finished

"Thank God, at any rate, that it is not now your dnty to go.'

"I am going."

"You, Alice?"

"Yes. I told you once that I loved him better than anything else in the world; and should I not be less than woman to let one I had loved so well and so long die without me? away when he begins to get better; but oh! I should. 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 could not help it. I wanted to go with her, but she would not let me.-She knew she was going into danger, and she was determined to go alone. What days those were through which I waited! I had made she is?" "Not to-day only, hut all the days since you her promise to send for me at once if she felt Then I held my peace. After all, she knew left me. Is it so strange that I should love the slightest symptom of illness; so while I I led him, waiting for no questions, across the did uot hear I knew that she, at least, was fields until we stopped beside a new-made

The second week in September rain fell for two days. The wind changed, or rather an if she will auswer you." other in the streets, and said, reverently,-"Thank God!"

Three days afterward Alice came home. I 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

The doctor says he will do well now; and I could not stay any longer, he had hegun to know me."

"And you, Alice, are you 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 strain on every faculty was over the disease hegan to show itself, and she was in far more danger from the fact that she had so long resisted the attack.

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 any mother ever nnrsed her sick child—as faithfully as she had tended the man for whom she was going to die. From the incoherent mutterings of her fever I learned more than she would ever have told me of her wrongs and her suffering. I understood, during those long, slow nights through which I watched her, how the iron had entered into her soul.

After three weeks of such watching there eame a sunset when I sat with her hand in mine, and tried in vain to see her wasted face through the tears which came between it and my eyes. I knew it was all over. Before the snn should set again she would he where "they have no need of the sun by day or the moou hy night." These were the last moments I eould snatch from eternity. And the words I longed to say, the words I should 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 bevond my own self-control. "He made your life so hitter first that you were glad to throw it away, and then you threw it away on him. God will judge him. He has taken away from me the light of my life."

"I pray, Margaret, that God will judge him in mercy; and so must you. He will suffer for it all, some day; and then, oh, Margaret, do 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 watch the snnset elouds. 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 Glendenning came to me, the wan ghost of his former self. He greeted me with scant cere-

"My cousin Alice saved my life, and then went 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

grave in the shadow of a great rock. "There she lies," I said. "Speak, and see

May God forgive me if I was cruel! but I there had not been breeze enough to wave a thought his heart was stone, and nothing less She The beasts held up their heads. Men met each for the cry of mortal agony which smote upon my ears as he knelt down and pressed his ashen lips to that grave.

"Dead! dead! and I can never in all time sat quite alone when she came in, swiftly and hear 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 remorse and despair until I, even I who had so



PROTEOT THE TREES.—The orchard demands but little care at this season of the year, yet there is one point that owners of young orchards should not overlook, 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 protection; gas tar may he applied. Some think it injurions to young trees, hut it is not, unless used in too large quantities. Smearing the trees with blood or fresh liver is another method; a shield may be formed by cutting cornstalks into pieces a foot or two in length and tying them around the base of the trunk with twine.—
Go out and examine your young orchards, trample down the snow close to the trees, and destroy the harboring places and roads of the vermin.





# The Farm and Fireside.

"He will suffer for it all, some day, and then, oh, Margaret, do not reproach him, hut comfort him!'

"She did forgive you," I said. "She used almost her last hreath in trying to make me from this grave, she would bid you go in great pot over the kitchen fire." peace."

"I am worse than Cain," he groaned. "I have killed the one ereature in this world who loved me. What devil possessed me to throw away the truest heart that ever beat?"

Then he got up, as if with a sudden recollection of his old gallautry toward women, which sat strangely enough upon him here at

"Grant me your pardon," he said; "I am randa. intruding my feelings upon you. It is still so light perhaps you will not mind walking back boiled the meat, onions, carrots, and leeks, and boulaye's "Fairy Tales of All Nations." alone across the fields? You have been kind, parsley in the bargaiu." 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 ehurch-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 eoming 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 and left him 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 stock-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 mau overtaken by au uuutterable 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 which she had entered? God you played me?" knows.

#### STORY OF THE NOSES.

AT Dewitz, in the neighborhood of Prague, there once lived a rich 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 becoming the son-in-law of the farmer. -The first condition that the cunning 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, and, still less, bad jokes. To return from the farm disfigured and ridiculed was well calculated to cool the warmest passion.

A young man by the name of Corauda, somewhat ungainly in manuer, but cool, adroit and eunning, which are not bad aids in making one's fortune, took it in his head to try the adventure. The farmer received him with the usual good nature, 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 chickens, uuhooked an enormous ham from the kitchen rafters, took a huge loaf from the cupboard, and went back to the field to dine and take a nap.

"Are you satisfied?" cried the farmer, when

he returned at night.

"Perfectly satisfied," said Coranda; "I deem my nose?" have dined hetter than you have.

At that instaut the farmer's wife came rushing in, crying that her ham was gone. Coranda laughed, and the farmer turned pale.

"Are you not satisfied?" asked Coranda.

"A ham is only a ham," auswered his master. "Such a trifle does not trouble me." But after that time he took good care not to leave the student fasting.

the women.

scated themselves in the wagon to go to church, inose? saying to Coranda, "It is your business to cook the dinner. Cut up the pieces of meat you see yonder, with onions, carrots, leeks, forgive you also. If she could speak to you and parsley, and boil them all together in the us that is not satisfied after marriage shall have

"Very well," answered Coranda. 🔸

by the name of Parsley. Coranda killed him, inext." skiuned him, eut him up with the vegetables, and put the whole to boil over the kitcheu fire. her favorite; but alas! she saw nothing but a bloody skin hanging by the window.

"What have you done?" said she to Co-

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

"Are you not satisfied?" said Coranda, taking a kuife from his pocket.

"I did not say that," said the farmer. "A dead dog is nothing but a dead dog." But he

A few days after, the farmer and his wife weut to market. Fearing their terrible servant, they said to him, "Stay at home, and do exactly as you see others do.'

"Very well," said Coranda.

There was an old shed in the yard, the roof of which was falling to pieces. The earpenters eame to repair it, and began, as usual, by tearing down the roof. Coranda took a ladder and mounted the roof of a house, which was quite uew. Shingles, lathes, nails, and tiles, he tore off everything, and scattered them all to the winds. When the farmer returned, the house was open to the sky.

"Villain!" said hc, "what new trick have

"I have obeyed you, master," answered Coranda. "You told me to do exactly what I saw others do. Are you not satisfied?" And he took out his knife.

"Satisfied!" 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 each other that it was high time to get rid of this iucarnate demon. 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 always 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 year 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," said 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 which I have always wauted 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 frightened than

"Villain!" cried the farmer.

"Are you not satisfied?" said Corauda, opening his knife.

Wretch! you kill my daughter, and you no trouble about it. He went to the house, think that I ought to be satisfied. I am fuand while the farmer's wife was feeding the rious. Begone, 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 re-

"It depends ou what you offer," said Co-

"Will you take ten sheep for it?" " No."

"Ten cows?"

"No; I would rather cut off your nose."-

And he sharpened his knife on the door-step. "Father," said Helen, "the fault was mine;

Sunday came. The farmer and his wife you take my hand instead of my father's

"Yes," replied Coranda.

"I make one condition," said the young girl. "We will make the same bargain; the first of his nose cut off by the other."

"Good," replied Coranda, "I would rath-There was a little pet dog at the farm-house er it was the tongue; but that will come

Never was a finer wedding seen at Prague, and never was there a happier household. Co-When the farmer's wife returned, she called are 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 both their of various kinds of grain. "What you ordered me, mistress. I have love and their noses.-From Edouard La-

THE WOONSOCKET AGRICULTURAL SOCIETY.

At a meeting of the Trustees of this Society, held in Woonsocket on the 18th of January. 1867, the following Resolution was passed by unanimous vote:

Resolved, That we recognize in the "FARM AND FIRESIDE," the new agricultural journal just commenced by S. S. Foss, of Woousocket, a valuable aid to our Society and its objects, and to farmers and horticulturists everywhere. Therefore, we cheerfully aud earnestly recommend the said journal to the generous patronage of the agriculturists of Rhode Island Michigan. and the adjourning States.

Arlon Mowry, Secretary pro tem.

Adorn Your Homes.—Some one writes both gracefully and foreibly: "I would be glad to the quite generally entertained, that the pressure brought to see more parents understand that when they spend mouey judiciously to improve and adorn deep tents of the house and the grounds around it, they are cent. If costing over, being in the unwashed state. For combining the control of the costing over, being in the unwashed state. in effect paying their children a premium to ing or carpet wools the duty proposed is: Unwashed, costing 12 cents # 1b or under, 3 cents # 1b; if over 12 cents # 1b, 6 cents stay at home as much as possible and eujoy it; # th, excluding charges. These extreme rates meet with little but when they spend money unnecessarily on favor among wool dealers, who are in a better position to judge favor among wool dealers, who are in a better position to judge favor among wool dealers. but when they speud money unnecessarily on they are paying them a premium to spend and charge 25n30 & cent. duty on foreign manufactures of their time away from home—that is, in those places where they eau attract the most attention and make the most display."

The Massachusetts Horticultural Society owns \$270,000 worth of property, and its income last year was \$30,350.

## The Markets.

WOONSOCKET RETAIL MARKET.

Hay # ton\$38	Wood of cord		
Straw & toa\$20	Beans # quart13c		
Coal 78 ton \$10 50a12 50	Potatoes90c		
	Onions90c		
GROCER:			
Flour	Raisias		
Corn Meai	Molasses 72 gal		
Rye\$1 50	V. H. Tea		
Saleratus10a15c	Black Tea80ca\$1 30		
Kerosene Oil80c	Oil 39 gal		
Cbeese ₩ 1b20c	Fluid # gnl		
Butter 🖨 fb40, 42a45c	Candles & ib25a50c		
Codfisb8c	Eggs fb doz45c		
Java Coffee # 1b25a50c	Lard # ib18a20c		
Mackerel, new	Sugar 79 1514a18c		
MEATS, &c.			
Beef Steak18a25c	Hams18a30c		
Beef, cornedl0nl5c	l'oultry20a2c		
Tongues, cienr20c Shoulders15c			
Mutton9al4c			

BRIGHTON CATTLE MARKET .- Jan. 23.

PRIOES. — Beef Cattle — Extra, \$12 75@13 50; 1st quality \$11 50@12 50; 2d do. \$10 25@11 00; 3d do. \$8 00@a10 00 % 00 lbs. (the total weight of fides, tallow and dressed Beef.) Working Oxen—\$150, 200, 250@300 쥥 pair.

Milch Cows and Calves—\$45, 55, 75, 100.; Yearlings—\$20@30; two years old \$40@55; three years old

\$60@70.

Sheep and Lamhs—In lots, \$1 50, 1 75, 2 25@2 75 each; et tra \$3a5 50, or from 3@7½c ₩ fb.

Veai Calves-None.

Western Fat Swine-Dressed, 9@10c 78 fb.

Prices of Hides, Thilow and Skins-Hides 9%c & th. iTalloy e ₩ lb. Calf Skins 20c ₩ lb. Pelts-\$1@1 25 each.

BEMARKS.

CATTLE-The market was almost an entire fallure, on ac count of the non-arrival of the Cattle. There were a few head ame in hy boat from the State of Maine, but separate from these there were no fresb nrrivals. The large number of lasreek was almost sufficient for the two weeks. Number left over 175 bead, a part of which were driven to Cambridge on Tnesdny morning

NEW YORK CATTLE MARKET.

MONDAY, Jan. 21.—In view of the light receipts the mnrket for Beef cattle has ruled firm, and holders succeeded in establishing an advance of fully 五色龙 设 b on choice stock, while the other grades remain unchanged. Extras sold at 17@17%c, and occasionally at 18c; good and medium, 15@16%c, and common at 12@14c; the demand, bowever, was not very ac tive, buyers manifesting no disposition to operate too largely, owing to the expectations of large arrivals, the snow storm it belongs to me to repair it. Coranda, will having but the effect of keeping many cattle buck.

Yeal Caives under a light supply and a fair demand, uoyaat and firm at 10a12c for common to good, and 13 % al 4c

Sheep and Lambs have ruled moderately active, and previous prices were fully realized, sales being made at prices ranging at from 5c to 8%c, the average prices heing 6a°c.

The Hogmarket ruled quiet with 22 car loads on the market at

the opening, prices, however, ruled steady at  $7 \, t_{\rm s} a 7 \, t_{\rm d} c$  for best quality: 71/2n71/2e for fair to good, and 63/2a7e for common and

The total receipts were 3734 Beeves; 47 Milch Cows, 198 Vcal Calves, 16,494 Sheep and Lambs and 18,577 Swine.

WEEKLY REEIEW OF THE NEW YORK WHOLESALE

THE wholesale trade in breadstuffs, &c., has been very dull during the past week, owing to the fear of a crisis in the money market. The great storm has impeded this class of business, hoth in the streets and in the harbor. But the news from Europe of small stocks there, has caused a feeling of confidence on the part of holders of grain, and a more notive trade in tho ensulag week is looked for. There are many orders for export

FLOUR has been pressed on the market, particularly low grades, by weak holders, whose margias are nearly goae.— Prices have declined forty to fifty cents a barrel, but toward the close a portion of the decline was recovered. We quote superfine state at \$9 40@10 40; extra do. ₹10 50@12 25; western extras, \$10 10@12 10; shipping Ohio, \$11 50@12 50: St. Louis extras, \$14 25@16 70.

CORN MEAL has declined, and there is not much doing. We quote Pennsylvania and Jersey at \$5.65 10. The supply of bag ment is very large, and this has depressed the market.

BUOKWHEAT FLOUR has declined, and sold very freely nt the concession. We quote at \$2 90@3 25 7 100 lbs

RYE FLOUR has been in good demand and ruled steady nt

WHEAT has been neglected, millers holding off owing to the decline in fionr. Those compelled to sell have submitted to a decline of five to eight cents a busbel. The market closes quiet hut firm at \$2@2 10 for rejected spring; No. 3 spring, \$2 15@2 25; No. 2 do. \$2 25@2 38; No. 1, \$2 50@2 55; amher state, \$3@3 10; white wheat, \$2 90@3 50, the latter rate for white

NEW YORK WOOL MARKET.

THE improved tone of the market noted in our last is fully sustnined, and prices of desirable klads, such as fine domestic fleece and the high grades of foreign, rule in favor of the seller. This improved feeling, as before remarked, is hased on the behear upon Congress is so great that increased duties will be imposed, ns follows: 10 ceats 3 lb and 10 3 cent., If costing unof the effect upon the woolen laterest thau wool growers. wool. Business in Boston last week waa very active, the sales reaching a million and a quarter of pounds, the market showing a hardening tendency. The sales here since our last bave been 150,000 lbs State and Westera fleece at 49n65c for ordinary to fine, including 30,000 lb Combing Delaine at 60c; 40,000 lbs Texas. 20a32½c; 22.000 fbs Mexican, 21c; small lots Cape, 37½a35c; and a re-sale of 112 bales Mestiza, 23½c.

# Advertising Bepartment.

Rhode Island.

MILL RIVER IRON WORKS, WOONSOOKET, R. I.

W. A. HENNESSEY, .......PEOPEIETOE,

Mannfacturer of FLUE and TUBULAR STEAM BOILERS, OlL and WATER TANKS, WATER PIPE and PLATE 1RON WORK of every description.

Boilers repaired in a thorough manner at sbort notice.

SHOPAT NORTH END, NEAR HARRIS'S NEW MILL. Refers by permission to

RIOE, BARTON & Co., Machinists and Boiler Mnkers, Worcester, Mass.

Bellows & Whitcomb, Engineers, Worcester, Mass.
C. W. Kimball, Esq., late Master Mechanic U.S. Armory,
Springleid, Mass.

HON. E. Harris, Woonsocket.

A GRICULTURAL IMPLEMENTS.—A. S. ÅRNOLD, dealer Im Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares a Pateat Harrows and Horse Hoes, Cullivators, Seed Sowers, Hny Cntters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iroa Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

W. E. BARRETT & CO., Manufacturers of Mead's Pintent Conical Plows, Sbares' Patent Horse Hoes, Chase's Two Horse Potnto Diggers, Lufkin's new Side Ilill Plows. Also, dealers in ALL kinds of Firmting Tools and Seeds, at 32 Canal Street, Providence, R. I.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & C

PERRY'S NEW, FIRST PREMIUM. LOCK HAY CUTTERS, the hest in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Cnnai Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, arc for sale in lots or by single dozens, by the Munufacturers' Agents, W. E. BARKETT & CO., 32 Canal Street, Provideace, R. 1.

## Illassachusetts.

POWLS FOR SALE.—The subscriber will sell n few pairs of Grey Dorkings; also, aeveral pairs of Brahmas, at \$6 per pair, boxed and provided with food, delivered to express. H. G. WHITE,

HAY FOR SALE.—From seven to ten tons of good Meadow ARNOLD TAFT.

Mendon, Mass.



A LADY AGRICULTURIST.—The Newburg Journal has the following notice: "Miss J. L. Waring, of Amenia, Duteliess county, New York, a lady of intelligence and culture, has gone quite extensively into the culture of fruits and vines. She has invested upwards of forty thousand dollars. She cultivates only the choicest varieties, and has several large and well constructed houses for the propagation of foreign and delicate vines. She has a large number of vigorous and thrifty out-of-door growth. Miss Waring is the most extensively engaged of any lady, so far as we are aware, in an occupation which is a favorite with the women"





# The Stock Yard.



CARE OF STOCK IN WINTER.

Written for the Farm and Fireside, BY J. L. HERSEY, TUFTONBORO, N. H.

Ir a store animal receives food barely sufficient to keep up its auimal heat, without gain or loss, it is manifest the owner is losing, daily, just the worth of the food consumed and the labor of tending, deducting the value of the manure. If the same animal diminishes in 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 animal, he must increase in weight, so that the pounds of gain, together with the excrements, shall be worth more than enough, at current value, to pay for all food and the labor of tending: and the surplus thus obtained, is the actual profit. With milch cows, working horses and oxen, and breeding sheep, the case is different. 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 dairy products, increased by the value of her exerements, over and above the value of her food, and the labor of teuding and manufacturing of the milk 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 food and labor of tending; and the profit of the sheep is the surplus value of his wool, excrements, and lambs raised, over and above the worth of food and labor of tending.

Now, if the above items are correct, the 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, and the labor of tending, less the value of the manure. The milch eow 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, or make some return that the calculating farmer may say they "pay." Some animals do not pay one farthing, and it eannot be done by the best of stock tending. Such should be laid out for erow bait; or, to serve a better purpose, placed in the compost heap; and there arc many others that might yield a profit, hut do not, and who is to blame? The owner, and him alone. Cold barns, a seanty supply of good food, and water obtained by a long walk, are too often the rule rather than the exception. Such cattle come from the barn in the Spring weighing less than when they went to it in the Fall. This subject of keeping stock through the Winter, is one of much importance; and those farmers who calculate to will cost you at retail prices as many dollars, make stock raising pay, will see that such good although if you want to sell them at your farm care is taken of the animals through the Win- they will hring much less, there being two or ter that they will gain in flesh and come out three profits between the producer and the vigorous in the Spring. This is the only city consumer. course that pays.

get overrun with lice. Brother armer, if you at any price. wish to see your stock come out in the Spring sleek and in good condition, set yourself to and strawberries, and pears and grapes, all bework at once. Purchase a pound of sulphur, come large matters when paid for in money. and mix it with the salt you give your eattle, hens it answers the same purpose, freeing them a specie basis; and two or three porkers grow but give, at least, one hour's exercise daily.-

tite, take some ears of corn, and boil them, thus our hills for pork and lard and fresh meat and while wet, roll them in sulphur, and give are casily halanced with the butcher. them to eat. I have found this to be a sovereign remedy for loss of appetite and other diseases that swine are subject to.

January, 1867.

#### SHALL I SELL MY LITTLE FARM?

FARMERS and mechanics as well as professional 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 condition by removal to the 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, and see what a man, on any New England farm, great or small, gives up when he leaves it and goes to dwell in the town or city. We are always complaining that we get nothing from our farms, and we faucy if we could ouly get somewhere where money is more abundaut, where wages are higher, where there is more going on, we shall have some chance to be rich, and live more independently.

Perhaps there has never heen a time when, in this country, a farm, or even a field or garden, contributed so much to the independence of a family of moderate means as in these times of high prices. The reason is obvious. It is because all that we buy, whether rent, or fuel, or provisions, costs more than ever before, and all that we do by way of labor, produces a greater value in the crops we raise.

You say you get little or nothing from your farm. 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 some four hundred dollars. It may be newer he uo more comfortable or convenieut.

We say nothing of its being in some narrow, noisy street, where you do not know your watchers in case of sickness. That belongs to can be kept "rough-shod" without steel corks. the seutimental side of the question, which today we leave out of sight.

do n't know how much, for you never had ochalf a dozen persons cousumes yearly from ten to fifteen cords of wood at least. Less fuel would suffice in the city, with a liberal outlay for furuaces, patent stoves and heaters; but hard wood, when kindlings are paid for, another hundred dollars would be used up.

A cow or two affords the farmer all the butter and milk he can use for his family. A pound of butter a week for each member of the family is a fair estimate, and at fifty cents a pound we have for our family of six, three run in water, as the part remaining in the wadollars a week or \$150 a year, and if we add ter softens so much that it wears away faster two wive quarts of milk daily, at the city price of ten cents, we have \$73 more.

A small patch supplies you with potatoes, of and not from any inequality in the grit. which you require some thirty hushels, which

A few trees supply your apples, worth four or five dollars a barrel if you buy them. And FEEDING SULPHUR TO STOCK.-Many farm- any ordinary garden gives the family vegetaers allow their cattle, as well as their fowls, to bles fresh in summer, which the city will not

The small matter of currants and raspherries, The fowls that give abundance of eggs, and a

In the country, everybody 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 town, only men of wealth can afford to keep horses, and hiring them at stable prices is almost as expen-

So, 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 prosperous in money matters, do not sigh for the fleshpots of the old homestead, come up to the FARMER office and tell us the other side of the story.—New England Farmer.

# Valuable Mints.

CHEAP PAINT FOR BUILDINGS AND FENOES. Prof. Tillman, at a late meeting of the New York Farmers' Club, said: Some questious having 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 milk. The best preparations would be made by mixing lime with curd, and using milk or whey for diluting the mixture. The reason why this compound will make a more permaneut wash than ordinary whitewash is, that the coagulated casein iu curd is dissolved in a solution of any alkaline earth, and the compound is not soluble iu water. Glue cau be mixed with a lime solutiou; but it will not resist the action of water, and it should not be used on surfaces exposed to rain.

Sharp Shod.—It is economy to keep horses sharp shod. They not only do more work, will be respectable for your family there as but require less food. If sharp, a horse works your present one is here, will cost you in rent easy and fearless. If smooth, he endangers himself and rider or driver, and works iu fear and nicer than the old homestead, but it will and with greater exertion of muscle. Conse quently, he needs more food to supply the waste. It is not good economy to keep a smooth-shod horse in icy weather. By changnearest neighbor, and where you must hire ing the nails of the shoes every week, they

PASTE FOR READY USE.—Mueilage made Next, your farm gives you your fuel,—you from gum arabic is good for many purposes, but rather costly. A cheap kind, and better casion to measure it. A farmer's family of adapted for pasting 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 thick in the bottom and fill it two thirds with rainwith coal at ten dollars a ton, a ton being water. In a few hours it will be ready for use, equivalent to about one cord of the best of and will last several weeks in hot weather without injury.

> No Grindstone should be exposed to the weather, as it not only injures the wood-work, but the sun's rays harden the stone so much as, in time, to render it useless. Neither should it than the other side; aud many a "soft place" iu a stone has arisen from this eause aloue,

> POTATO POULTICE.—Where there is the necessity to use a poultice, no person who has once experienced the comfort of a potato poultice, 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 garments or bed-elothes which it comes in contact 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 at the rate of one pound of sulphur to six of supply of poultry, for Thanksgiving and horses proper exercise. Do not suffer the salt, and see if it does not start the lice. To | Christmas, seem of little account till reduced to horses to stand the whole week in the stable, of lice, and it is safer to use than Kerosene oil, up with little cost, and in autumn are worth a Give sloppy food at least twice a week, and unless diluted. If your hogs lose their appe- hundred dollars almost before we know it, and throw a lump of rock salt in the manger.

# Matural Wistory.

#### ATMOSPHERIC INFLUENCE UPON FISH.

From the nature of the element in which they live, we know but little of the habits and ecouomy of fish. They are quite voracious, and 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 between them and other living creatures, whose pursuit and capture are made the object of amusement, deserves careful attention and study. A correspondent of the Loudon Field writes:

"We all know that the conformation of

fishes, their method of procreation, their hab-

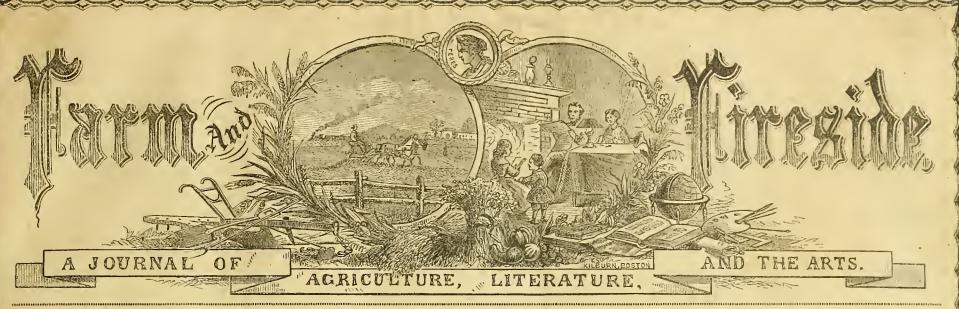
its, their times and manner of feeding, &c., differ very widely indeed from that of birds and beasts. Now we have much greater facility for observing the habits of the latter, by reason that we breathe the same atmosphere, we can follow them to their hiding-places, watch their ins and outs, and so far study their various instiucts, as enable 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 invariably take it when found. We have not, nor ever can have the same facility for discovering the habits of fishes. We go to the river and capture them with a certain line; we go again, weather aud water apparently the same; we offer them the same lure, they refuse it in toto, and maybe every other one as well; we call them capricious (I am now more particularly alludiug 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 latter day not there at all; for I have found that in almost any kind of weather, when their natural food is plenty and within reach, they will be found feeding thereon, and may be captured more or less by the experienced fisherman,-That fish, like birds or animals, may be acted upon in a way that we (although more highly organized) have no notion of, I readily admit; very likely this is wisely ordered for their preservation; but I am strongly inclined to think that their so-called capriciousness, is less from direct atmospheric action than absence of sufficient 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 success, 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 fish 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 casthad a fish. The faster the rain 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 having 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 influeuce in the matter at all; the food was over or about the water; the snow in the oue instance, the rain in the other, heat down into the water sufficient to lure them to feed thereon; and did we sufficiently notice, should we not find that what we call forecasting in fishes, is nothing more than this—that some peculiar state of the atmosphere previous to rain, preveuts 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 longer period than the denizens of the land, without suffering much in condition thereby."

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



THE FARM AND FIRESIDE 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 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 offensive to good In all its columns this journal will advocate the hest interests of the farm and the fireside. Terms—\$2,00 per year, invariably in advance.





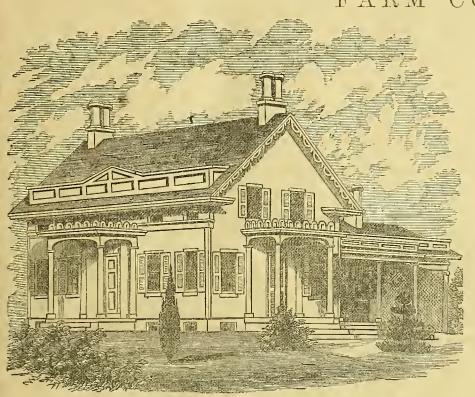
ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT OF RHODE ISLAND

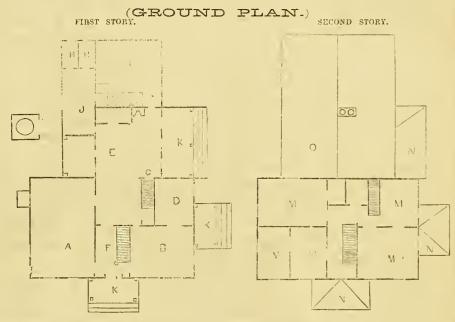
VOL. 1.

## WOONSOCKET, R. I., SATURDAY, FEBRUARY 2, 1867.

NO. 4.

# FARM COTTAGE.





REFERENCES

B—Sitting Room, D—Library.

Front Stairs. -Back Stairs. H—Closets. I—Summer Kitchen. J—Pantry. K—Porches.

M M—Bed Rooms. -Roof of Porches. -Roof of Kitcheu.

# Farm Architecture.

RURAL HOMES.

The relations which men bear to one anothcr are among the most efficient of the influenees that mould their character. Society is a net-work of closely interwoven interests, wants and dependencies. From these come, uot only our various occupations and means of living, but nearly all our tastes and sympathies, aud many of our richest enjoyments. Common sense and all experience tell us that man was not made to live in the hermit's cave, or in the eynic's tub.

The foundation of all society is the family. In this institution, to which, more than governments or to great meu, the progress of humanity may be traced. The family must have a home, a place where all the associatious counected with the idea a family ean germinate.-Every enlightened plau for the advancement of earliest efforts the improvements of dwellings; vantage of every farmer and fruit-grower to sec and this, not only in respect to physical com-that the laws are enforced, and the birds prefort, but to aid in the suggestion of salutary served; especially at this season of the year, associations, and the formation of desirable "when earth's universal face, deep hid and an object, she may justly claim the highest winnowing store and claim the little boon that praise. The dwelling in its location and ar- Providence assigns them. See to them, now, adapted to the coudition, employment, habits amply rewarded for the charitable acts beand character of the family. Not only are the stowed. adult members to be thought of, but the interests of the young should be consulted. By all become of the Song Birds?" is a question fremeans let the abodes of infancy and youth be quently asked, not only by those living in the here, but the greater number are sent to counmade commodious and attractive. These, however humble, will teach lessons of neat- allude to the beautiful, richly colored songsters ness and order; they may and should inspire a regard for comfort and dccorum. While the admonish us that Spring has again returned. mind and heart are fresh and tender, let the that of place; the love of one's own house, of ket on his arm, filled with cotton? Watch

contribute towards rendering the homes of the the woods and orehards. If accosted, he will people not only nurseries of filial and paternal tell you that he is in quest of some rare plant, affection, but the carliest and best schools of or on a fishing excursiou, and thought he obedience and duty, of Patriotism and Piety.

The above plan, for a farm cottage, is plain, cheap and pieturesque; and the internal arrangements convenient aud well adapted for a farm or rural homestead. We shall give, oecasionally, engravings of rural architecture; Country Homes.

# Arnithalagy.

THE BIRDS.

AN APPEAL TO THE FARMER AND HORTICULTUR-

To the Editors of the Farm and Fireside:

THERE are ample laws in Rhode Island for the protection of all useful birds, society iu general, will include among its both local and migratory; and it is to the adhabits. When architecture contributes to such chilled," compels them to crowd around the rangements should be, as far as possible, and when welcome Spring returns, you will be

> In the early Summer months, "What has city, but by residents of the country also. I tries that our birds do not inhabit. whose welcome notes gladden our hearts, and

The question is easily solved. Do you see offence, \$5, every subsequent one, \$10. love of parents and kindred be combined with that man with a gun iu his hand, a small bas-

garden, trees and prospect. Thus may you him. He has started for the country to visit would "just take a gun along" to destroy a hawk, erow or some other mischievous bird that frequently annoys the farmer. That is not his errand! Although he may be successful in deceiving, some do not believe him. He is employed by the bird-stuffer to furnish such birds with plaus, estimates of costs, together with as I shall enumerate, at so much per head; the practical articles on the embellishment of our price to vary according as the specimen is rare, or the degree of beauty of its plumage. He finds them in the thick foliage by listening to their notes, which guide him uear the nest, which contain the eggs or callow brood. His murderons gun brings to his feet, dead and bleeding, the coveted prize, for which he is to receive from ten to fifteen cents. He attracts but little atteution, his gun being very lightly charged with powder and small shot.

The birds slaughtered, with few exceptions. feed entirely on insects, as the following:

Searlet Tanager, or Red Bird; Rose-breastof the rarest and most be tiful, both in song aud plumage; Cedar Bird, commonly called Canker or Cherry-bird; Baltimore Oriole, or Red Robin; the various kind of Warblers, Vireos and Thrushes, all fine songsters, particularly the Wood Thrush, so beautifully described by the great author, Au-

"How does the stuffer or taxidermist dispose of so great a uumber?" you may ask. Some of them are arranged in glass cases, and sold seen air in a clear sky.

State making it a penalty for any person to fire a gun on the premises of another; for the first

Yours. Providence, R. I., February, 1867.

## Miscellany.

HOW THE RAIN FALLS.

Where does ram come from? You answer, From the clouds." But where do the clouds come from? You may think the wind blows them over you. But if it blows clouds over you from somewhere else, it also blows them from over you on a clear day as ou a cloudy or rainy day. On a fair day when no clouds are seen, the water is divided up into such small particles, that it does not obstruct the sun's light, and so you see no clouds or water. A change of temperature in the atmosphere, as when a warmer and colder current of air meet, causes the small particles of water to unite in pairs, and the pairs unite, and these quadruple drops nnite, and so on until hundreds or thousands of the small, invisible particles unite in one, and even theu that one may be many hundred times smaller than a pin's head. A mass of these combined drops, which are still small enough to float in the air, refracts, or bends out of their course so many of the sun's rays that they stop and often darken its light. It is thus that clouds gather in a clear sky. When enough drops unite to make one too heavy to float in the air, it begins to fall. It meets and unites with many others in falling, and often so many unite that great rain drops are formed by the time they get to the ground. Each large drop is made up of thousauds, perhaps millions, of the small drops that float in the un-

TALLEYRAND died a few hours after having Bear in mind that there is a law of this signed a formal recantation of the errors of his extraordinary life. .. He died like a man who knew how to live!" said a lady. "After humbugging all this world, he ended by wishing to humbug the other," said M. de Blanemesnil.



ALDERS.-It is slow work to make fire-wood of alders, and yet many farmers have a plenty of them growing around the edges of meadows and in swamps that are worthless, so far as any profit on their growth is concerned, and that ought to be cut away. Now that the ground is frozen and firm they can be got at more readily than at any other season of the year. Many pastures are suffering also from the encroachments of alders and other shrubs. Now, would it not be worth while, slow and tedions as it is, to sweep off these shrubs and chop them up into kindling wood? For a light kitchen fire in summer they serve a very good purpose, and, as a kindling wood, at any season, when cut short and fine, and dried, they are very handy.





## The Field.

#### THE WHEAT CROP, AND ITS CULTURE.

Written for the Farm and Fireside,

Seed. -The selection and proper kind of seed is, of course, the first consideration in treating on the above subject; and is, of itself, a suhject which, to consider 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 seed.

During the last few years a new requisition has been added to the already long list of the requirements of a "perfect seed wheat," viz: that it must be proof against the midge. In our county (Chester) we have but three kinds of wheat in general cultivation, viz: Blue Stem, Mediterranean, and Red Chaff; 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 have the White Mediterranean and Early Bowden or Boughton; either or hoth of these are much less liable to the attacks of the

The White Mediterranean, if sowu at the same time, will ripen about onc week in advance of the common red kinds, and in some seasons has hardeued its grain before the midge has commenced its ravages; and hence has often wholly or partially escaped the usual effect of this pest on the red wheat. As far as my own experieuce goes, I am satisfied that, leaving the ravages of the midge out of the question, the extra price which it (as a white wheat) will command in the market, will not counterbalauee the increased amount per acre which the red wheat will produce; hut on strong ground, with plenty of manure, the white wheat will often do best, because having a short, stout straw, it is less liable to lodge he-

The Early Bowden, when grown with red wheat usually ripens its seed about two weeks hefore the latter; and further possesses a pecuharity not uncommon with other white wheats, that of not heing easily shelled out hy long standing. Two years ago, owing to the favorable season, my white wheat was fully ripe at least twelve days before we were through the hay harvest; and although it was allowed to staud, it did not "shell out" as much as the adjoining red wheat, cut immediately afterward. This fact would, of course, lead us to suppose that it is more difficult to thrash, which will be found to be the case.

While we are in danger from the midge, I would advise the planting of white wheat; but less liable to lodge, but though looking well at rule would not work very well." harvest, I do not find it to yield in bushels as well as the red Mediterranean; but on other soils it may do better than I have given it cred-

No matter what kind of wheat may he used for seed, let it he fully ripened, plump and heavy; run it through the fau with a quick motiou, and heavy hlast, in order to blow over the light and imperfect grains. If more care was exercised in this oue particular, I have no doubt we might raise the weight of our wheat three or four pounds per bushel; and instead bushel.

The next item for our consideration 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 often been discussed. From my own experience, I have strong doubts 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 could detect no difference in the yield. Most

If the ground is put into proper order, I have never heen able to detect any difference he- more seems to do no harm, less will do. Very tween the wheat on ground plowed once, and foften in crossing the headlands we get in detect quite a difference in the ensuing grass crease or decrease in yield.

plowing, in my estimate, arises from the fact cussion will be more appropriate, I will further paratus by which he could regulate the temthat it enables us to cover the manure in a bet- allude to this important question in the cultivater mauuer than when we plow hut once; or, in other words, enables 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 removal of the oat erop; a deep, narrow furrow may then be turned, and if made ten inches deep and six inches wide, instead of six inches deep and ten wide, no harm will ensue.-After a thorough harrowing and 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 only fulfill all the requirements of our best authorities, for the proper application of manure, and at the same profitable than a large one, hecause he will contime leave the ground in a condition which will require but little labor for a thorough preparation of the soil for wheat.

Many of the advocates of a second plowing lay great stress upon the argument that the extra lahor of preparing the ground when the ground is plowed but once, will more thau pay for a second plowing; but if there are clods in a well-plowed field which cannot be mastered by a roller and harrow, there is something wrong in some of the past operation; probably the ground was plowed too wct.

Next iu 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 my while to euter into an argument to prove the advantage of "putting iu" this crop with a drill; but few still advocate the old hroadcast system, and fortunately they are growing more and more searce. 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

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 ravages of the midge; by too great a desire to avoid Scylla, we may readily fall into Charybdis. I might, like others, fix a date as proper for putting in the seed, hut the date or day proper for last season, may not do for next, and, further, the date proper for my locality 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 safe rule which can be laid down either in putif out of danger from this pest, the red Med-ting in wheat or in any of the farm operations, iterranean is my choice. The hlue stem is hut, as our critic says, "if all followed it, the

Another much disputed, and still unsettled question is, the proper amount of seed per acre, which varies from Frederick Hallett's one bushel and a half for ten acres, to our broadcast friend's two and a half bushels for one acre. One thing caunot be doubted, viz: that we very imperfectly understand the tillering powers of wheat, and to what extent it may he educated. When we see the result of such experiments as have for the last seven or eight years been tried at Brighton, England, by Frederick Hallett, we can hardly see to what of from fifty-eight to fifty-nine pounds, might limit they may yet be carried. He, by "carereach sixty-three or sixty-four pounds per ful breeding," is able to plaut his immense fields with a seed every nine inches in rows nine inches apart, requiring from one hushel to one and one-half hushels per acre, aud reap a product double that which 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 field, by commencing ou one side with two hushels per aerc, and gradually decreasing to three peeks, I farmers iu my neighborhood prefer one bushel this, and he made a heap of money by it, while and one peck, as near as possible; and though

The main advantage in the second In a future communication in which the dis-

tion 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 more than they have the capital to manage capital as well as any other business, and the size of a man's farm should 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 centrate his labor upon a few acres, bring them to a higher degree of productive fertility and profit, and save the expense incidcut to a large tract of land, is which necessarily unproductive comparatively. A man who has little more than his own hands, who has not the ready means to hire extensively, and the eapacity to direct hired labor so as to get the greatest return for it, will make more, a good deal, by concentrating his time and his fertilizing materials 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 neglected, and his returns will be small compared they have fresh eggs even iu winter. Now, in with what they should be. Does not every day's observation prove this to be so? Do not is not an egg to he got in cold weather, but the illustratious of concentrated efforts which the warmth of the poor man's cabin insures him are to he found in almost every neighborhood prove it to be so?

There was a mechanic in a town not thirty miles from Boston, a carpenter, who found that his health was suffering iu consequence of his close application to that kind of work, who went aud bought a little piece in the outskirts of the town, and began to raise vegetables for the market. It was but a few acres, scarcely enough to be called even a little farm. He cultivated well, of course, and manured very highly, keeping an exact account of all his operations. It is needless to say that he made money, more, by a large per cent., that he had made by his trade, and he was able to show how he did it. It was by stuffing in the manure, 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 iu 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 comideas of what ought to he done, and so they go on year after year scattering their energies, instead of cenecutrating them, a coustant walking illustration of the homely old maxim, that a "rolling stone gathers no moss."

But for another instance of the same thing. There was a man in Essex county who cultivated every year about fonrteen acres of onions. He made a husiness of it, devoted his time, his thought, and his energy to that crop as a specialty, raising on an average about five hundred bushels per acre. He kept the able to judge of the price, and how to take the advantage of the market. Nearly every year wheu the crop was in condition not to demand his entire time, he would visit wethers field, and other parts of Connecticut aud other sections where the crop was largely cultivated, to learn the probable extent of the yield. If it was likely to he large, he could hurry his crop to market before it became 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 thousand bushels, which his fourteen acres yielded, he could afford to do with only a few hundred bushels he raised as a part of a great farm crop, it would not pay.

This same farmer made another specialty of that plowed twice; but can, in some seasons, double this quantity without perceiving any in- squashes. He huilt a squash room with shelves arranged along the sides for receiving squashes

perature. Nearly every day he would pass through this room examining the squashes to see if they were beginning to decay, and if they were, such specimens were hurried off to market. This room was so arranged that it would preserve squashes, and the owner could keep them till the supply in the market was exhausted, and theu command his own price, and he made money on this crop. And so it profitably. Farming requires more or less 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 on the amount of working capital he has on 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.

# The Poultry Yard.

#### POULTRY ITEMS.

Martin Doyle, the cottage economist of Ireland, in his "Hints to Small Holders," observes that a few cocks and hens, if they be preveuted from sctratching iu the garden, are useful and appropriate stock for a cottage, the warmth of which causes hens to lay eggs in winter-no triffing advautage to children when milk is scarce. The French, who are extremely fond of eggs, and contrive to have them in great abundance, keep their heus so warm that our country, in a gentleman's fowl yard, there an egg even in the most ungenial season.

It has generally been supposed that there would be a great difficulty in rearing chickens hatched in February and March; on account of the cold, hut, with proper accommodations and couveuiences, we have found it more certaiu than those hatched in June. Many persous fail iu raising chickens for want of a little attention to them at this season of the year.

Some of the early laying hens will begin to show a desire to incubate, and if early 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 disturbed by other hens depositing their eggs to the general fund. Eleven to thirteen eggs, as fresh as possible, should be given her, aud a date, 21 days in advance, should be marked in a conspicuous place on the nest box.

To have the poultry-yard profitable, the fowls should not be kept until they are old. There is no objection to preserving a favorite cock, so loug as he is active and lively, but hens after three years will not produce as many eggs as those of one or two years. Much, however, pelled to come far short of even their own is depending on the breed kept, so far as good layers are concerned.—C. N. Bement.

> Does Keeping Hens Pay?—To this question the Claremont (N. H.) Advocate furnishes the following practical answer:

"Mr. James Baker of this town has handed us some figures showing the net product of his "heuery" for the past year, which may auswer as a solution to the question, Do hens pay? It seems that he has kept during the year 118 layers—to feed which it cost him \$95.32. As a return for his outlay he credits run of the crop iu other sections, so as to be his little flock as follows: Amount of eggs laid, 1335 doz.; number of eggs sold, 1314 doz.

Value of eggs sold.......\$298.00 . Hens and chickens sold......28.00

\$326.00 Expense of keeping......95.32

Stock of hens now on haud, 125-which he values at \$25 more than his last year's stock. The breed of hens which have thus rewarded Mr. Baker for the good care he has taken of them, is the White Leghorn, which have the reputation of being everlasting layers, no disposition to set, small eaters, lay steadily through the winter, no ramblers, and their eggs are fair and large."

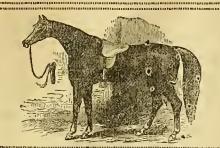
If men were perfectly contented, there would to ripen up, and furnished with a heating ap-ino longer be any activity in the world.



MARRIED LIFE. - "Laziness is the devil's cushion." Do not run much from home. One's good health is of more worth than gold. Many a marriage begins like a rosy morning, and then falls away like a snow-wreath. And why? Because the married pair neglect to he as well-pleasing to each other after marriage as before. Eudeavor always to please one another. Consider, ye daughters, what the word "wife" expresses. The married woman is the hushand's domestic faith; in her hand he must be able to entrust the key of his heart, as well as the key of his eating-room. His honor and his home are under her keeping—his well-heiug is in her hand. Think of this. And you, ye sons, be faithful hushauds and good fathers of families.







## The Harse.

#### THE CHECK REIN FOR HORSES.

THE following extracts, on the use of the check rein for horses, are from a pamphlet recently published by the Society for the Prevention of Cruelty to Animals:

The check rein may probably be of some "taught his paces;" but, after, it can answer of this cruel appendage.

the use of the check rein. In the former case from the free exercise of his streugth, he is

There is one infallible proof, constantly obrein and of its injurious effects, though we beheve very few persons are aware of it. Whenever a horse has been worked with a tight check rein, the corners of his mouth become raw, inflame, fester, and eventually the mouth becomes cnlarged on each side, in some cases to the exteut of two inches. Even before the but I take so many papers now, I cannot afbit has produced those visible effects, if the ford it." You cannot afford to do without it.corner of the mouth under the bit be touched, the animal will flinch as if from hot iron. Let this be the sign with every master and servant. To what are these enlargements attributable? What causes them? Nothing but the friction the superior merits of the paper—its neat and of the bit in the effort of the horse to get up to unique style—the fine, white paper—its clear 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 voted to advertisements, and one-half of the their sockets.

KIND TREATMENT OF A HORSE AND ITS RE-WARD. - We are so frequently called upon to record acts of cruelty by teamsters, that it is a pleasure to publish the following: - "On Thursday a team belonging to Bowers, Pratt & Co., heavily loaded with irou, while passing through Congress street, became imbeded in the snow. The humane driver, instead of lashing his horses, procured a shovel aud cleared away the snow from the runners, then stepping up to the shaft horse, he said, 'Now, Billy, we are in a bad fix; do all you eau-will you?" The horse, apparently uuderstanding the appeal, rubbed his head against the driver as if in assent. The team was successfully started without a blow being strnck. A wellknown gentleman in State street, having witnessed the seene, was so pleased that, ou returning to his office, he immediately addressed a note to the owner of the team, enclosing a ten dollar bill, with a request that it be given to the driver who treated his horse so kindly. —Boston Traveller.

## Farmers' Miscellany.

## UTILITY OF AGRICULTURAL PAPERS.

Written for the Farm and Fireside, BY HORACE THAYER.

Economy is a most commendable trait in any individual, or in any calling or profession; but especially is it essential to the farmer. But the farmer, in his laudable observance of this important principle, should be on his guard, lest his economical prropensities should degenerate into parsimony—the meanest of all passions. Economy, in the general acceptation of the teru, implies a judicious expenditure of means or money; or their expenditure for such purposes and in such amounts as will result in the greatest good. It would not be ecouomy for use in "breaking a colt," and may perhaps the farmer to refuse to pay out a dollar, when help to "get up his head" until he has been it would return him a profit of two; on the contrary, it would be the height of folly. It is no end, except souring his temper, making him universally admitted by all intelligent and jibe, fretting the corners of his mouth, wasting thinking minds, that good, ably conducted his strength, hurting his wind, injuring his agricultural papers are most important aids to sight, lessening his speed, abridging his ser-the farmer; and that uo wise, or progressive vices, shortening his days, throwing him farmer will attempt the management of even down and breaking his knees. All these, it is the smallest farm without the assistance of one fearlessly asserted, often proceed from the use or more agricultural journals. A farmer will often obtain information upon a single subject When loose, the horse's neck is usually ex- that will benefit him far more than the yearly tended as straight as his back; in this manner cost of the paper; yet he will have fifty-two horses would generally work. It is the natural such papers, each treating upon a great vaposition, and the ucarer we approach to it, riety of subjects. Then these periodicals come the better for the animal, for he is then at his to the farmer at the precise time when he reease; and though little remembered, his pul- quires the informatiou—for each number treats monary action, or breathing, unimpeded. It upon work appropriate to the season. When is absurd to make a bend or augle (if at all the farmer consults special works or books upacute or sharp) in a water pipe or hose; so it ou any subject, he obtaius but one man' is absurd and cruel, too, to bend back out of thoughts or knowledge; but the periodical its natural line the windpipe of the horse by contains the combined wisdom of many minds "Iu a multitude of counsel there is wisdom. a full volume of water cannot be obtained: in The wisest farmer cannot know all that may the latter, the free breathing of the animal, so he known. The able agricultural journal is the essential to its comfort, and even to its life, is depository of the united wisdom and knowlhindered. The effect of restraining a horse by edge of its numerous patrons and contributors the check rein is to prevent him from getting -a treasure-house, where the farmer may seek up to the collar. If the bit is in the least for riches with confidence and hope. We degree affected by the check rein-in other know it is said that a man may have too much words, if it not entirely loose in the mouth— of a good thing. We think, however true this the horse is checked, and, besides being kept old adage may generally prove, it cannot hold good in regard to agricultural journals. We prevented from leaning the weight of his body are satisfied that any farmer of moderate practiee will be benefited far beyoud their cost, even if he should subscribe aud pay for half-atained, of the cruelty of the use of the check dozen of the best agricultural journals in the country-providing he reads and practices their teachings. His profits would be greater at the year's end.

> Now we want to say to every farmer in particular, when asked to subscribe for the "FARM AND FIRESIDE," don't say, "I would like 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 ble brauch of business. print-the amount and quality of reading.-Instead of three-fourths of the space being deremaining fourth to a list of premiums to canvassers, like some "popular" journals, this entire space is filled with useful and interesting matter; and such a paper is furnished every week for the extremely low price of two dol-

Friend Foss, of course, knows his own business best; but it is certain that, at the present exorbitant prices of printing material, such a paper cannot be afforded at such a price unless liberally sustained. Doubtless he placed it at this extremely low price, under the impression that the farmer and citizens generally-especially all public-minded men-would feel an interest and pride in the enterprise, sufficient to give it a liberal support. Farmers, at least, ought to feel some pride in having a well-conducted journal, devoted to their particular iuterests, in their own neighborhood. It will be greatly to their interest 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, not only to the practical farmer, but to any thirty-five years.

one who cultivates the smallest garden, a single tree or rose-bush, or keeps a single cow, pig or hen. In fact, it contains matter varied and interesting enough to please all classes of readers. Farmers, and all friends of real progress! it rests with you to say whether this enterprise shall be remunerative or not to its publisher. Having put his hand to the plow, he will not look back. Your interest and pride should prompt you to do all in your power to sustain such an enterprise. Send the Publisher your own subscription and as many of your friends' and neighbors' as you can induce to believe they will be benefited thereby. Don't say, "My two dollars will make no difference." If it seems but little to you, it will be appreciated by the publisher. Your subscription will count one towards the thousands that must be obtained. Friend Foss promises to give us a good paper, if we will do our part, and we know he will do it. Every subscription received will encourage the publisher and editors, and increase the worth of the paper. -Take as many other journals as you think for your interest, but be sure to subscribe for the "FARM AND FIRESIDE."

HISTORY OF THE AMERICAN CENT.—The first copper eent was produced in 1782 by Robert Morris, the great financier of the Revolution, and was named by Jeffersou, two years later. It began to make its appearance from the mint in 1792. It then bore the head of Washingtou ou one side aud a chaiu of thirteen links ou the other. The French Revolutiou soon after ereated a rage for French ideas in America, which put on the cent, instead of the head of Washiugten, the head of the Goddess of Liherty, with her neck thrust forward aud flowing locks. The chain on the reverse was replaced by the olive wreath of peace. But the French liberty was short-lived, and so was its portrait on our cent. In its stead a staid, classic dame, with fine Grecian features, and a fillet around the hair, came iuto frshion forty or fifty years ago, and continued until about ten years since, when the much smaller and more convenient uickel ceut appeared, with a dying eagle in the place of Liberty's head, in order that it might not be mistaken for the five dollar gold piece. In the present new cent the Liberty head has been restored.

Pears Preserved by Ice. - Quite a success is reported of an experiment in the transportation of fruit from Mr. E. S. Converse's Preserving House in Malden, Mass. That gentleman has received a letter from Matanzas, saying that pears which were taken from the "house" and packed in the writer's trunk ou the 25th Dcc., kept perfectly until he reached Hayana, ou the 8th ult. A few of them, not quite ripe enough to eat, were still on hand. This venture indicates that the exportation of our summer and autumnal fruits by steamers, in winter time, may become a safe and profita-

THE POPULATION OF LONDON.—The entire population of London is set down at three millions, which is considerable larger than the population of all England in the days of Richard the Second. The London of Shakespeare's time was a village beside the overgrown metropolis of to-day, since even in the reign of James the First it had but little over one hundred and fifty-three thousand inhabitants. When Charles the Second, miscalled the Merry Monarch, was ou the throne, there were nearly half a milliou within aud without its walls; under William the Third the increase was about ten thousand a year. It was not till the beginniug of the present century, however, that London could claim to have a million of dwellers, the second figures being first realized in 1810. In 1831 it swelled to a million and a half; 1849 it had passed two millions, and so has goue ou until uow, when it uumbers three millions and upwards, made up of the richest and the poorest, the wisest and most ignorant, the best and the worst, of mankind.

winter than during any previous winter for eourting as to attempt any business without

#### LOST ARTS

In regard to colors we are far behind the ancients. None of the colors in the Egyptian paintings of thousands of years ago, are in the least faded, except green. The Tyrian purple of the entombed city of Pompeli is as fresh today as it was three thousand years ago. Some of the stucco, painted ages before the Christian era, broken up and mixed, revealed its original lustre. And yet we pity the ignorance of the Egyptian prince who was contemporaneous with Solomon and Cleopatra, at whose feet Cæsær laid the riches of his empire.

And in regard to metals. The edges of the statues of the obelisks of Egypt, and of the ancient walls of Rome, are as sharp as if hewn yesterday. And the stones still remain so closely fitted that their seams, laid with mortar, cannot be penetrated with the edge of a penknife. And their surface is exceedingly hard-so hard that when the French artists eugraved two lines upon an obelisk brought from Egypt, they destroyed, in the tedious task, many of the best tools which could be manufactured. And yet these ancient monuments are traced all over with inscriptions placed upon them in olden time.

This, with other facts of striking character, proves that they were far more skilled in metals than we are. Quite recently it is recorded that when an American vessel was ou the shores of Africa, a son of that benighted region made from an iron hoop a knife superior to any on board the vessel, and another madea sword of Damascus excellence from a piece of

Fiction is very old. Scott had his counterparts two thousand years ago. A story is told of a warrior who had no time to wait for the proper forging of his weapon, but seized it redhot, rode forward, and found, to his surprise. that the cold air had tempered his iron iuto an excellent steel weapon. The tempering of steel, therefore, which was new to us a century since, was old two thousand years ago.

Ventilation is deemed a very modern art, but this is not the fact, for apertures, unquestionably made for the purpose of ventilation, are found in the pyramid tombs of Egypt. Yes, thousands of years ago, the barbarous Pagans went so far as to ventilate their tombs, while we yet scarcely know how to ventilate our houses.

BEEF-CUTTING UP AND PRESERVING.-In cutting up beef for salting, regard should be had to the size of the pieces, and their relation to each other when put down. In other words, a family resemblance should be pursued in the different strata, as placed in the barrel. When designed for family use it will be found eonvenient to cut into pieces suited to a day's consumption. For preserving meat the N. E. Farmer says: "Pack the pieces in casks, giving a slight sprinkling of salt betweeu cach piece; cover with a pickle by boiling together, in four gallons of water, eight pounds of salt, three pounds brown sugar, three ounces of saltpetre, one ounce pearlash, for one hundred pounds of meat. Keep a flat stone on the meat, that it may be immersed in the pickle. Put down in this way, beef will keep a year, aud rather improve by age.

DRINK FOR MILCH COWS.—Cows that give milk in winter will add much to their profit by giving them a bucket full of warm water twice a day, with a little meal or even the slops of the family with it. Every one has noticed now an extremely eold day will affect milk, or when they have become wet in the summer. A little salt with milk floating on the surface will soon teach any cow to driuk it. They will drink at the pump all the better for a little salt.

"Bridger, how came you to burn the bread so?" "Och! an' is it burned it is? Snre, then, ma'am, but its no fault of mine, for wasn't you after telling me las' thing afore you wint out, a large loaf must bake one hour, an' I made three large loaves, so I baked 'cm three hours jist; for what else should I do?"

An exchange says that it is just as sensible More snow has fallen in Cleveland (O.) this a move to undertake to get married without advertising.



Sorrow.—Sorrow sobers us, and makes the mind genial. And in sorrow we love and trust our friends more tenderly, and the dead become dearer to us. And just as the stars shine out in the night, so there are blessed faces that look at us in our grief, though before their features were fading from our recollection. Suffering! Let no man dread it too much, because it is good for him, and it will help to make him snre of his being immortal. It is not in the bright, happy day, but only in the solemn night, that other worlds are to be seen shining in their long, long distances. And it is in sorrow—the night of the soul—that we see faithest, and know ourselves natives of inflinity and sons and daughters of the Most High.





## The Farm.

#### UNDER-DRAINING.

Written for the Farm and Fireside,

beneficial results derived therefrom, in the limthe agriculturists of the day, we must turn our sustaining; for, as the West and other agricultural producing sections become filled up, and more rare. other interests become developed, there will be a much less surplus of many products of the fits that may be claimed for under-draining. soil, and much diverted to other markets.will admit of the variety of productions from capital. the soil necessary to supply the wants of our owu tlickly settled population, there is not the least shadow of a doubt. Then let us prepare for any future emergency by so improving the soil and its capacity as to develope all its resources. This we owe, not only to ourselves, but to posterity. Instead of investing our surplus mouey in adding to the broad acres already our own, or in stock of doubtful dividends, let us invest more in the improvement of the aeres we already possess, in underdraining, subsoil-plowing, and more thorough culture generally. It will not be my object in the following, or at the present, to give any specific directions in the art of draining, or coustructing drains by any specific rules; but more generally to state some of the advantages and benefits arising from a thorough, deep underdraining of the soil.

The first aud most obvious benefit arising is, iu earrying off all standing or stagnant water : gives a means of ready escape to the excess that falls as rain, without the washing of the soil, as would occur when obliged to run over the surface iu passing off. It also arrests the ascent of water from beueath, from whatever cause, and frees the surface and subsoils from undue moisture, or the lingering presence of any uoxious substance which might impede or injure the growth of the roots of the plants therein. The constant descent of water through the soil, causes the air to follow iu its course, or, as the water settles away, there would be a vacuum, which in nature is an impossibility, as the air pervades all things. The next fall of ing pleasant truths. We are much in the habit rain displaces the air, and as the water settles away, a new portion of air is drawn in to follow. This process is constantly going on they believe us, they cannot receive this with while the soil is in au uucongealed state; the pleasure. But the question which most interrains 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 away, is all important in promoting the healthy growth of all vegetatiou. -Other important consequences which follow the freeing the soil of water are, that it gradu- ment, and all his finer sensibilities and affecally becomes dryer, warmer, sweeter, looser tious, and a generous and genial family and work out the practical benefits of a chauge of prieties of a well-appointed home, to the supsoil, as well as a change of climate; for with port of his muscles? There are instances of a representing a repulsive spectacle. the constant presence of water in the soil, better life than this among farmers, and I should Most of the poultry in market is "scalded" there is au evaporation going on at the surface, which, from its nature, produces cold. Re- proved that this everlasting devotion to labor by a few, and sells, to a limited exteut only, coldness of many soils disappears; the back-Fall harvests, will be less complained of .-Heavy under-drained lands can rarely be well be well plauted to any crop; the frosts of Win- to labor, and applied his mind to his soil. ter very frequently throw out the roots of any

to change his system of cropping. drainage works a complete revolution in all brief memory, I am full of hope for the future. such soils, bringing them into such a state that The plow, under the hand of science, has bethey may be worked at any time, when any soil can be worked. Heavy rains dry out, so that the soil may be worked in a few hours.-The removal of the superfluous water in a soil year adds new machinery to the farmer's stock, THE importance of thorough drainage of the is equivalent to a decpening of the same in its soil to the successful agriculturist, is becoming consequences, for it allows the roots of plants more apparent, from season to season, as the to descend where the soil was before occupied with it; the air also penetrates and diffuses itited exteut to which it is practised, are devel- self wherever the water has been, thus warmoped. In the New England States there is a ing and aerating the same; a larger space is large quantity of the best undeveloped soil, thus allowed for the diffusion of the roots of that would be greatly benefitted by under-plants, in search of food, in which frequently draining; and if we are desirous, as a class, to an abundance is stored, many substances bekeep pace with, and sustain a position among ing found there which have been washed down by the frequeut rains, from the upper soil.attention more effectually to this subject. We The action of all kinds of manure is much shall be obliged to do it to become more self- more beneficial in drained soils than in uudrained, consequently disappointments are

The foregoing are a few of the many bene-It is claimed by those experienced in under There is already a proportional falling off in draining, that the soil returns the investment the surplus productions received from the in three years; so that if the farmer have suf-West, and the price becomes so enhanced that ficient capital to carry on his improvements we cannot afford their purchase, as at present. Ithree years, he can afterwards thus improve That the soil and climate of the N. E. States his whole estate without employing any other

February, 1867.

### WHENCE THE IMPROVEMENT IN FARMING.

TIMOTHY TITCOMB, in his Rural Life, says: The improvements made in farming and farming implements have not been made by farmers themselves, but by outsiders,—mechanics and men of science,—who have marveled at the brainless stupidity which toiled on iu its old track of unreasoning routine, and looked with suspicion and discouragement upon innovatious. The reason why the farmer has not been foremost in improving the iustruments and methods of his own business is, that his mind has been unfitted for improvement by the excessive labors of his body. A man whose vital energy is directed to the support of musele, has, of course, none to direct to the support of thought. A man whose streugth is habitually exhausted by labor, becomes, at length, incapable of mental exertion; and I cannot 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 \* \* \* There is no doubt about the fact that a life whose sole energies are expended in hard, bodily labor, is such a life as God never intended man should live.

"I am perfectly aware that I am uot revealof glorifying rural life, and praising the intelli- finding enough to do and profit by. geuce and virtne of rural populations; and if ests them is not whether these statements are true. Is the philosophy sound? Does a severe and constant tax on the museular system repress meutal development, and tend to make life hard and homely aud unattractive? Is uot the American farmer, generally, a man who has sacrificed a free aud full mental developmore friable; all of which, combined, social life, and the dignities and tasteful pronot have written this if those instances had not or "wet picked;" "dry picked" is preferred

Good see what has been done for farming within my the skin. A toru or broken skin greatly in come a new instrument. The horse now hoes the eorn, mows the grass, rakes the hay, reaps, threshes aud winnows the wheat; and every to supersede the clumsy implements which once bound him to his hard and never-ending toil. When a farmer begins to use machinery and to study the processes of other men, and to apply his mind to farming so fair as he can make it take the place of muscle, then he illuminates his calling with a new light, and lifts packed. hiuself into the dignity of a man.

#### WINTER WORK ON THE FARM,

WE often hear farmers say: "It soon will be winter, and then we shall have nothing to do." This is a great mistake. It has become a trite and true saying, that there is always something to be done ou a farm. It is so. A 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 coustantattendance from the farmer whose motto is progression.

The winter days being short, the proper care of his stock will occupy a goodly portion of it; months they are confined to the yard and hauliug and piling of a year's fuel. The workshop will take a large share of the time, for we assume that every farmer is, or ought to hens, which give us an abundance of eggs.be, mechanic enough to repair his tools, car- Farmers should not hesitate to adopt this plan. riages, &c., aud make the more common kiud. There will be much of this sort of work to attend to in preparing everything for the more active duties of the coming season. Here have seasoued lumber on hand suitable for repairs, and the construction of such articles as they would be likely to need. Another and great branch of labor which 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 and additions as he sees fit, to be carried into operatiou in due season. In this plauning business he will find ample work for the long evenings and unoccupied hours. And lastly, the winter season is the time for reading, study, and replenishing and refreshing his mind for more active dnties. He must be a "book farmer," to some extent, else he will fall behind the times. In all of these labors aud dnties, and the cultivatiou of those neighborly, social qualities, for which the seasou is peculiarly appropriate, uo farmer need lack of

## DRESSING POULTRY FOR MARKET.

Poultry will always sell much more rapid ly, and often at higher rates, if well dressed than if poorly dressed. The following directions are giveu, as the result of much cxperience, by a poultry dealer:

Food in the crop injures the appearance and sale; therefore keep from food tweuty-four hours before killing.

Opening the veins in the neck is the best

often compelling the farmer by these reasons from his long slavery. When I look back and feathers may all be removed without breaking Portland Press.

jures the appearance.

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 should next be "pluuged," by being dipped about two seconds into water nearly, or quite, boiling hot, and then at ouce into cold water the same leugth of time. It should be entirely cold, but not frozen, before being

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 and free from dust. Place a layer of straw at the bottom, then alternate layers of poultry aud 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 way. Boxes are the best packages, and should contain from 150 to 300 pounds.

Salt for Gapes.—Every one has had their say about gapes; uow let a Buckeye tell you how we manage this matter. Formerly we fed the young brood with corn meal dough, and here let me remark, that nothing pays bet- losing more or less with the gapes every seater than good care of animals during the son. Latterly we have salted the dough, and now raise some two hundred chickens per seastables. Another item of winter work which sou, without losing one from gapes or any othshould always be performed, is the cutting, er disease. The chickens are bright, vigorous and healthy, and always commence laying early in the fall. Now we have some forty

A MISERLY old farmer, who had lost one of his best hands in the midst of haymaking, relet me remmk that farmers should always marked to the sexton, as he was filling up the grave, "It's a sad thing to lose a good mower at a time like this; but, after all, poor Tom was a great eater."

> A Horse Chaunter.—A fellow being called as a witness in one of the Euglish courts, the judge demanded:

"What is your trade?"

"A horse chaunter, my lord."

"A what? A horse chaunter? Why, what's

"Vy, my lord, aiu't you up to that ere

"I require you to explain."

"Vell, my lord, I goes around among the livery stables—they all on 'em knows me—and veu I sees a gein'man bargaining for an' 'orse, I just steps up like a tetotal strauger, and says I, "Vell, that's a rare 'un, I'll be bound,"

"He's got the beautifulest 'ead and neck as I ever seed," ses I. "Only look at is open nostrils-he's got wind like a locomotive, I'll be bound he'll travel a hundred miles a day, and never once think ou't; them's the kiud of legs vat never fails. Vel, this tickles the genl'man, and he sayst o' himself 'That cre 'onest countryman is a rare judge of a 'orse; so, please you, my lord, he buys 'im and trots off. Vell, 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 I mode of killing. If the head be taken off at call orse chaunting, my lord. There's a rale Some chauuts canals and some chaunts rail-

To Relieve a Cough.—This is the scason move this, and the temperature is changed, the is unnecessary. There are farmers who prost at full prices. Poultry may be picked dry for colds; and colds are the forerunners of conper in their calling and do not become stolid— without difficulty if donc without delay after sumption. Attend seasonably to the first, if wardness of Spring crops, and the lateness of whose homes are the abode of refinement, killing. For scalding poultry, the water should you would avoid the last. For years we have whose watchword is improvement, and whose be as near the boiling point as possible without found the following preparation the best for the aim is to elevate their calling. If there is a actually boiling. The bird, held by the legs, cure or relief of a cough that we have ever worked in early Spring for Summer crops; and man on the earth whom I honestly honor it is should be immersed and lifted up and down tried: Take two onness of flaxseed, two ounces frequently are so wet in Fall that they cannot a farmer who has broken away from his slavery in the water three times. Continue to hold stick liquorice, half a pound brown sugar, half the bird by the legs with one hand, while a pound raisins, one quart of cider. Boil the "Mind must be the emancipator of the plucking the feathers with the other, without a whole down to one pint; strain it off and put young plants growing in such a soil, killing farmer. Science, intelligence, machinery,— moment's delay after taking out. If skilfully it aside for use. Whenever the cough is them, or, at least very much injuring them; these must liberate the bondman of the soil handled in this way, the feathers and pin-troublesome, take a table spoonful at a time.—



Depopulation of Ireland.—An English statistican has shown that in a few years Ireland will become depopulated of Irish by causes now in operation. Emigration is carrying off to England, America and elsewhere vast numbers, nearly all of whom are young and vigorous, upon whom the peopling of the Island depends. Few emigrate after forty; and the consequence is that the population of Ireland largely consists of the middle-aged and the aged. When these die there will be noue to take their places. The next census, like all which have been taken during the past thirty years, will show a largely diminished population, a great proportion of deaths, and few marriages or births.





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# Parm and Pireside

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 2, 1867.

## AGRICULTURE, HISTORICALLY CONSIDERED.

For ceuturies after the establishment o Christianity, and before the necessity of the laws which now govern civilized society was recognized, Agriculture, or the art of tilling the soil, had not received the importance it merited. The rude barons of the dark and middle ages were too much engrossed iu making and repelling raids, to devote much time to the more peaceful pursuits of husbandry; and their stalwart vassals "armed to the teeth," considered such pursuits as worthy only o women or idiots. Fortunately for maukind and the industrial interests of the human family, the monasterics, then the abodes of hospitality and science, devoted much time to agriculture, and both by precept and example fos-tered this useful art. As peace gradually diffused her blessings over Christendom, the science progressed; the culture of the vine, olive and fig was successfully prosecuted in all parts of the Spanish dominions, and the Moors, the most polished and elegant people of the fourteenth century, paid great attention to the cultivation of plants and flowers. Many practical secrets of immense ntility to the farmer are still practised in Tripoli and the Barbary States; carried thither by the refugees, who, when expelled from Europe, songht an asylum with their brethren of the same faith.

The situation of the Low Countries, particu larly Holland, was favorable to agriculture and in the fourteenth, fifteenth and sixteenth centuries, the indefatigable Dutch and Flemings were the scientific gardeners of Europe. The crnsades, which united 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 passed Europe in the science of Horticulture. are now naturalized throughout Christendom. The Pharmacopeia was also greatly enriched by contributions from the Holy Land; flowers were then the fashiou, and all the mediæval Sovereigns delighted in Pleansances, or flower gardens. Fabulous sums were given for favorite plants, and the tables of the great were daily laden with vegetables then expensive and rare, but now common.

On the discovery of the New World, Europe was flooded with its productions, and Ireland is indebted to Sir Walter Raleigh for the root which has so long constituted the principal food of a large part of her population. Catherine of Arragon, the first Queen of Henry the Eighth, of England, was fond of vegetables, ver raised lettuce in Great Brita the reign of that monarch, salads were frequently sold for their weight in gold, and the purveyor of the magnificent Cardinal Wolsey, complained, that though "he offered any price for green food, he could get none."

The taste of the populace had been greatly Princes; the gross dishes, so much enjoyed by simpler food was substituted in their room.-The sagacious Elizabeth saw the advantages advancement of agriculture, and bestowed reheld the country at peace, and devoted much ed by a very high duty.

time to the then modern improvements, and made it their boast that they could then feed writing from Augusta, Maine, says that Mr. all their retainers, without going off their lands. Davis, of Luhee, from the Committee on Fish-The civil wars that followed after the death of cries, has reported to the House a resolution Charles the First, and during the Protectorate, relative to the restoration of sea-fish to the rivprevented much progress; nor was it till after the accession of William and Mary to the vaeant throne of James the Second, that agriculture received any patrouage. Special acts of Parliament were passed to "protect the farmer, and the importation of such animals as would be useful in the tilling of lands, particularly encouraged." Most, if not all the gardens of that period, were laid out in the Dutch taste. Great 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 agrieulture.

The emigrants who sought the shores of America, brought with them the tastes and habits of the ancestors from whom they deseended, and the traveler is frequently astonished at seeing in Cauada the agricultural implements used in France in the time of Louis the Fourteeuth. When the yoke of Great Britain was discarded, and the independence of the Colonies acknowledged, multitudes flocked to the Young Republic from all parts of the world. The fertile and grain producing fields of the West allnred many settlers, who introduced all the improvements that fell under their notice; and that part of the country has largely repaid their honest perseverance,-Pennsylvania is greatly indebted to the illustrious fluancier, Robert Morris, who was a great judge and liberal patron of agriculture; he also first introduced Green-Honses in the United States.

Pennsylvania and New Jersey were exceedingly enterprising in the production of vegetables and fruit, which could not be raised in New Eugland aud certain parts of New York. After the purchase of Louisiana, the United States could have declared that their population might be fed and clothed without foreign

The Eastern nations, including the ancient Egyptians, have long been famous for their proficiency in this "mother of sciences," as the ancicut Greeks delighted in styling agriculture. The religious tenets of the Hiudoos debarred them from the use of animal food. The climate was genial, the soil immensely productive, and under the sway of the Mogul emperors 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 in the East, averred that India then far snr-

The Chinese and Japanese have long been acquainted with all the practical details of horticulture, and the pleasure gardens of the rich abound in the rarest flowers, and the most costly fruits. Every inch of land that can be put to any available purpose, is cultivated throughout the celestial empire; and substances which would be rejected in other parts of the world, as useless, are extensively employed as fertilizers. The Peruvians and Mexicans aloue, of the natives of the New World, had made some advances in agriculture. Spanish historians speak with rapture of the chinampas, or floating flower-gardens of the Aztecs. To this day the Indians are passionately fond of flowers. Mexico abounds in all During and the tropics.

> progress of American Agriculture, with which the live stock in the State is \$21,652.704. we are more particularly interested.

The Importation of Seeds.—A number of improved during the reigns of the Plantagenet importers and growers of foreign seeds are about to send a petition to Congress, asking the Saxons, had gradually disappeared, and that the tariff be so changed as to admit free of duty all foreign seeds intended for growing or planting purposes. They ask this on bchalf that would accrue to her Kingdom from the of the great agricultural interests of the country, to whom, they say, it is of importance to wards on all who made important discoveries. have a great abundance of pure garden seeds, Noblemen, who resided on their estates, be-the importation of which is at present restrict-

PISCICULTURE IN MAINE. - A correspondent, ers and inland waters of Maine. This resolutiou authorizes the Governor to appoint two commissioners, whose duty it shall be to examine such rivers and other waters as they deem sufficient to the consideration of the subject of the restoration of sca-fish to our lakes and their tributary streams, the introduction of new varieties of fresh water fish, and the protection of fish generally in inland waters. Authority is also given to introduce into such waters as they may deem best suited therefor, spawn of the black bass, land-locked salmon, and other varieties, if they deem it expedient, provided the expense does not exceed the sum of two hundred dollars.

Hor-Beds will be wanted in February and March. Have the sashes and frames in readiness, now that there is leisure. Paint, reglaze, and have all in working order. Accumulate a supply of mauure for the same; the best is that from horse stables, long and short together. Manure for ploughing and spading in, should be looked out for, and all available materials, whether from the house, privies, stables, piggeries or heu-houses, should be

THE CANARY BIRD TRADE. -There are large importations of Canary birds in the German steamers. The birds come principally from the Hartz mountains in Hanover. The number of them that arrived here in the past year is estimated by large importers at from 15,000 to 20,000, worth \$60,000 or \$80,000. The mortality among the birds ou the passage is more than twenty-five per cent. In this country they are bred to some exteut. One man in Philadelphia last year raised three hundred, and another in Buffalo one hundred and fifty.

THE POTATO. - A French newspaper states, with regard to the parasites found in the potato, that "the microscope reveals to ns the existence of a small black spot, of the diameter of a pin's head, in the potato. In this small space can be detected some 200 ferocious animals of a coleopteric form, which bite and tear cach other with continued fury. It is easy to comprehend the potato disease when such an intestine warfare is raging.

THE CATTLE PLAGUE.—During the week ending December 29, 1866, the last officially reported, the Euglish Privy Council states that nine animals were attacked by cattle plague in Great Britain, an increase of three as compared with the previous week. The number of animals attacked since the disease first appeared has been 253,807, and 52,646 healthy eattle have heen slaughtered to prevent the plague from spreading.

INTERESTING TO MILKMEN. -Iu the Superior Criminal Court, in Boston, Henry Waite, charged for the third time with selling adulterated milk, pleaded guilty, and Judge Russell sentenced him to the House of Correction for the term of sixty days. Subsequently the senteuce was revised, and the milkman was let off ou paying a fine of \$50 and costs.

848,000 horses, 421,842 cattle, 259,362 sheep,

Oranges.—The St. Augustine (Florida) Examiner, speaking of the great crop of oranges, says that sixty thousand will be picked from one grove. A gentleman writes that "they hang in rich yellow clusters from trees on the sides of the streets, and the soft air is redolent of their rich perfume."

SALE OF A TROTTING HORSE.—The celchrated "Ethan Allan" was sold in Boston on the 24th nlt., to B. E. Simmons, of New York. The price paid was \$10,000.

### THE COMMON SCHOOLS OF PENNSYLVANIA.

The report of the Superintendent of Common Schools of Penusylvania gives the following statisties for the school year of 1865-66, as follows:—There were in that year 1863 sehool districts in the State; 13,146 schools; 16,141 teachers, and 725,412 pupils, with an average attendance of 478,066. The total cost of the school system for the entire State, including taxes levied and State appropriations was, for the year \$4,195,258,57. The increase in the number of school districts was 26, in the nnmber of schools, 222, in the number of children attending school, 19,932, in the average attendance at school, 18,946, and in the total cost of the system, \$581,020,02. Not including Philadelphia, the increase in the per centage length of term, one day, in the average cost of tuition per month, four cents; in the number of male teachers, 493, in the number of female teachers, 63, in the salaries of male teacliers, \$2.52; in the salaries of female teachers, \$2.10; in the cost of tuition, \$220,743.67; in the cost of fuel and contingencies, \$48,071.35, and in purchasing grounds, building, renting and repairing houses, \$222,209,77.

#### WHAT A SQUIRREL DID.

WE cut the following from the Newburyport Herald:—"A gentleman from Newbury treated us the other day to some walnuts, which we should, perhaps, have refused, on the principle that the receiver is as bad as the thief, had we known where they were obtained before it was too late. They were part of the store of a striped squirrel, which he had laid up in a hollow tree. There were in all five quarts, which he had carried up one by one, from a tree an eighth of a mile distant. The hole run into the tree in a horizontal direction, so that its capacity would have been very small, as the nuts would have rolled out without some modification in its arrangement, which Mr. Bunny proceeded to make with a good deal of architectural skill, his movements being daily watched by our informant. He first built up a breastwork of clay, sticks, nutshells and other rubbish at the mouth of his magazine an inch or two high, and then filled it up with his provisions, till it would hold no more. He then added another course of mason work and another deposit of nuts, and so on till at the time of the vandal's raid on the little fellow's commissary, the wall was about 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 worse to make a squirrel work for him than to make a horse or an ox do it. Besides, our friend kindly gave the four-legged slave his time for the rest of the season, and in a week or two he had laid in a new supply for himself and family.'

THE AMERICAN SAFETY REIN.—A few days ago Chapman's Patent Safety Rein was put to the severest test. Gen. Dix, a notorious ruuaway horse, who was regarded as valueless as a roadster, because it was found impossible to control him, was made the subject of the trial. The horse was lashed into a savage run with the whip, and when the reins were pulled upon, he was reduced to complete submission .-A common snaffle bit was used, and the power of the safety rein worked like a magical charm. Before the trial it was hoastingly asserted that Gen. Dix could not be controlled by any invention, and many of the gentlemen present confi-LIVE STOOK IN MINNESOTA. - The St. Paul dently expected to witness an exciting rnuaand brought in her train the first gardener who the productions both of the temperate zouc Pioneer says that there are now in the State way and a general smash up. But so complete was the mastery of the driver over the Hereafter, we shall refer to the history and and 286,416 hogs. The estimated value of all horse that they at once aeknowledged the practical ntility of the Chapman invention. - Turf, Field and Farm.

> Secretaries of Agricultural Societies in Pennsylvania, New Jersey and Delaware, will ohlige us by scuding a list of their officers for

## HOW TO OBTAIN THE FARM AND FIRESIDE.

SEND Two hollaes to the Publisher, by mall; or, if there e a news-dealer near you, order lt of him FIRESIDE will be sold at all News Offices. Single copy, 5 cents.

SEND A STAMP.—Specimen numbers of the FARM AND FIRESIDE will be forwarded to any address, on the receipt of a three-cent stamp.



Tomatoes a Protection against Borers.—Mr. J. H. Foster, of Quincy, Mass., informs us that he has an apple orehard which has been hadly infested by the borer. Two or three years ago, while going over the orchard in the fall and removing from ten to fifteen young borers from most of the trees, he noticed that, invariably, there were no signs of their work to be discovered wherever a chance plant of the tomato had sprung up from seed in soil or manure. Acting on this discovery, he has since planted tomatoes extensively about his apple trees and quinee bushes, and finds it a complete protection, as the beetle never deposits her eggs during the summer months upon the bark of the tree near which a tomato plant is growing.—New England Farmer.



## Fireside Readings.

### THE OLD CHIMNEY-PLACE.

A stack of stones, a dingy wall, O'er which the hranches cling and creen. A path on which no shadows fall, A door-step where long dock-leaves sleep; A broken rafter in the grass, A sunken hearth-stone, stained and cold, Naught left hut these, fair home, alas ! And the dear memories of old.

Around this hearth, this sacred place, All humble household virtues grew, The grandsire's love, the maiden's grace, The matron's instincts deep and true. Here first sweet words were lisped; here hroke Life's morning dream, and yet more dear, The love that life's best impulse woke, Grew warmer, gentler, year hy year.

How cheerful, while the storm without Muffled the earth and iced the night, The ruddy glow gushed laughing out On merry groups and faces bright How chimed the crackling freakish flame With rosy mirth or thoughtful ease, Or, may he, syllabled the name Of one rocked on the stormy seas

What fairy scenes, with golden lands, In the weird deep of glowing brands Saw the fair hoy, the dreamy-eyed; Till, musing here, his spirit drew Strong inspiration, and his years, By Beauty's subtle nurture knew The paths of Nature's inner spheres!

Here, as the swooning emhers sent A faint flush through the quiet gloom, In the warm hlush have lovers blent The fragrance of their hearts' fresh bloom; And, veiling in the soft-drooping eyes Her tremulous joy, here blushed the hride; Here o'er pale form in funeral guise, Farewells from broken hearts were sighed.

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-Sweet friendship—faith serene and sure Manhood's strong purpose, warm and hold— Courage to labor and endure, And household feelings never cold.

Here leaning in the twliight dim All round me seems a haunted air, I hear the old familiar hymn, My heart goes upward in the prayer That made the night so full of peace;
Kind lips are on my brow—my ear
Hums with sweet sounds—they faint, they cease, And night o'er all broods calm and clear.

## MARY OF THE HEATH.

## A TRUE TALE.

It is by no means an uncommon observation, that did any one uote down the remarkable occurences of his own life, those of his friends with whieb he is well acquaiuted, or such as become known to him on good authority, in the course of a few years how curious a eollection it would form. The following is au

It must uow be nearly half a century ago, when one fine summer's day, about the hour of 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, (uot very far from the house of a wealthy baronet,) suspending a pot on three sticks set upright in the ground, after the manner of gipsies, over a fire which she bad kindled beneath it. She was dressed in rags, and seemed miserably poor and forlorn. The child was alone. The singularity of the circumstance excited the surprise of two ladies, who were taking their morning walk on that airy and agreeable common. They looked around and much increased, when, on a nearer approach, as she turned her head toward them, wind, they saw at a glauce that the face which but partially covered by an old tattered cloak, were neither of the gipsy character or complexion. The features were small, round, and the was such a case. eyes and hair of true Saxon origin-blue and light brown. There was also an expression of

riness of the employment and the personal pe- words she has spoken there is such a touching Gtions, could other than feel interested for her. we will question her." They proceeded, therefore, at once to question her, beginning with the kindly aud encouraging expression of "My dear," as they asked what she was doing there?

"Boiling my pot for my breakfast," was ber

"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. To whom do 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 going? What a strange story. What is your name, and where did mother, she got acquainted with them, and you come from? You must have come from was finally induced by their persuasious to run

"My name is Mary, and I came a long way off; but 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 determined to leave them on the first opportupot?"

"I brought it away with me."

"Then you must have come from some persons with whom have been living. 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

She paused a moment, looked down and then said, "I got away from them, for I did not like their way of life."

"And when was it? and bow have you lived since you left them?"

"Very hard," said the child. "I begged my way along the roads, and with the few half-pence I got I bought a little bread to save me from starving. I have no where to go. have uo home.'

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. There was nothing in it of the white of a made up tale to excite compassion, and she rather sought 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 of a neighboriug baronet, "there is something very uncommou in this child's story. Poor creature, she is really in very great distress. Let us take her home, and mamma will know better than we can what it would be the best to do for her."

Her friend assented, and Miss G--- turned to the child and told ber that if she would come along with her, she would give her some good advice. The little girl followed gladly enough, but 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--was a woman of known benevher door, the idle aud vagabond passed on, though burnt and browned with the sun and certain that iuquiry would precede rebef. Yet with all this, Lady G-did not carry caution looked out from beneath a bonnet worn out of to that cold and extreme extent which renall color and shape, and the arms which were dered her suspicious where there appeared marks of waut and sorrow that carried with them their own evidence of sincerity. This

"That child," said Lady G-, after hearing her daughter's account of the meeting on the warmest attachment to ber person. artlessness in the countenance, which, it must the common, "is indeed in want of food and be confessed, is not very generally the distin- rest. I can see it in her looks. I can see that guishing mark of the daughters of Egypt. her distress is real in every line of her face,

culiarities of the child, it was impossible that tone, very different from hypocrisy. She shall two ladies of good hearts and benevoleut inten- bave something to relieve her hunger, and then very handsomely, and made the bride the mis-

> The little creature's tears were seen to start in her eyes at the sight of the food, for sbe was famished with waut. The meal euded; once more she was conduted to the presence of the ladies. Lady G--- with much gentleness commenced her interrogations, 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 artlessly narrated:

The child began by saying that she was born in Bath. Her father was in business in that city; she told bis trade. Her mother-in-law treated her so harshly and unkindly that on some gipsies coming into the ueighborhood, as she was allowed to run neglected about, and glad to be out of the sight of her severe stepaway 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 father had made any inquiry concerning her or not. At length, uot liking the way of life of the people among whom she had fallen, she nity. She had stoleu away from them, takiug 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 that she might not die for want of food. She had wandered about the roads and waysides beggiug, 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 might 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 morning.

Lady G--- bad little or no doubt that the 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 by iuquiry that all sbc stated was correct.-Haviug obtaiued from the child the name aud address of ber father, she determined at once to write to Bath, begging an immediate reply.

In the interval the poor little wanderer was attired in better clothes, and placed under with a charge to keep a strict cye upon her. In a few days an answer eame from Batb coufirming the gul's story, and expressing an earnest wish for her return home to live with her father. But the little Mary evinced so urge ber to returu home.

She had been greatly interested by the simplicity of her young charge, and the servant to whose especial care she bad been combeginning with some humble duties in the ""Yes," replied the other, "but he lacks judg-household. The child's gratitude was of the ment." liveliest kind; there was nothing bad in her; indeed, her natural dispositiou seemed docile and amiable. But she had received no inmuch aptitude for learning, reading, writing, majesty, nor with so much honor to myself." etc., that she soon became the head of the class, and made such progress that on leaving moted in the household, and became lady's most assiduous fulfillment of her duties, and to bed in the dark, I can trust him."

Finally—and few stories of romance con-

, with an unwearied interest in her wellbeing, furnished the house for the good couple tress of the village school, where she had been fostered and educated. Greatly was that excellent lady pleased to see that when her favorite attained the bight of good fortunecherished by her superiors, beloved by every one-the full-grown woman in her prosperity carefully preserved the old pot as a precious relic 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 a diminutive specimen of the donkey tribe through the muddy streets of Gotham; aud the animal being very stubborn, Jonathan found it quite difficult to induce bim to accelerate his speed.

He used the pursuasive eloquence of a hickory 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 countryman applied to the ugly beast, and counteneed heaping a volley of abuse on 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 the response.

"Saire, monsieur, sair! I say vat for you all zat vagabone horse Napoleon?"

"Git up, Bouypart!"

Here the Frenchman's rage boiled over, and stampiug his feet upon the pavement, he ereamed:

"Oh, by gar, I sall ave ze grande satisfaction! I sall 'ave ze reveuge. I 'ave one dam seep-dog at my 'ome; I go eall 'im Guillaume Was'ingtou, by gar!"

The hat was passed around in a certain congregation for the purpose of taking up a eollection. After it had made the eireuit of the present sbelter, at least till she eould ascertaiu church, it was hauded to the minister, who, by the way, had changed pulpits with the regular preacher, and be found not a peuny in it. He inverted the hat over the pulpit cushions and shook it, that its emptiness might be kuown, theu raising his eyes towards the ceiliug, he exclaimed with great fervor, "I thank the especial care of a steady female servant, God that I got back my hat from this cougregatiou."

DRYDEN was so foud of reading that his wife oue day exclaimed: "I wish I were a book that I might always be in your somuch terror at the thoughts of going back to ciety." "I wish you were an almanac," he her step-mother, that Lady G-forbore to replied, "so that I could change every year."

A RURAL pastor prayed ferveutly for rain during a severe drought, which began to fall iu torreuts just as the service closed, when two mitted, spoke very favorably of her. Lady farmers walking home together were getting - proposed, therefore, to keep her in the fully wet, and oue remarked to the other: family, and to try to make a servant of her, "The parson does pray with a good unction."

ZIMMERMAN.—This eminent physiciau went from Hanover to attend Frederick the Great iu expecting to see a party of gipsies, to whom olenee; but she was not one who exercised it structious; all her good qualities must, there his last illness. Oue day the king said to him, they conjectured the child must belong; but, without due eaution and judgment. She did fore, be inherent. This was very promising, "You have, I presume, sir, helped many a though wide and open, not a living creature, not, by hasty or indiscriminate charity, enand her benefactress, after a few weeks more man into another world?" This was rather a save the little girl boiling her pot, was to be courage vice and low cunning, under the idea of probation, finding that she might be trusted bitter pill for the doctor; but the dose he gave seen far or near. Their curiosity was raised that really distressed the industrious but un- with other children, sent the little Mary to the the king in return was a judicious mixture of fortunate poor. The truly afflicted sought village school. There the child showed so truth and flattery: "Not so many as your

> "A good old womau, a dear friend of mine," school, two or three years after, she was pro- says John Newton, "was asked upou her death-bed if she was comfortable in her mind. maid to her benefactress. In this situation she "Very far from it," she answered, "Then continued for several years, repaying the kind- you are not willing to die?" "Quite willing," ness and generosity of Lady G--- by the she said. "If my Father chooses to put me

SEVERAL young men have appeared at fashclude so satisfactorily as this tale of real life ionable receptions in New York receutly iu the trustworthy and respectable house stew-something like court dress-maroou velvet There was something so singular in the solita- which is a very pleasing one; and in the few ard of the family took ber to wife. Lady coats and breeches, with silk stockings.



There is no combination of letters in the Euglish language which excites more pleasing and interesting associations in the mind of man that the word wife. There is magic in this little word. It presents to the mind's eye a cheerful companion, a disinterested adviser, a nurse in sickness, a comforter in misfortune, and a faithful and ever affectionate friend. It conjures up the image of a lovely and confiding woman, who cheerfully undertakes to contribute to your happiness, to partake with you the cup, whether of weal or woe, which destiny may offer. This word wife is synonymous with the greatest eartbly blessing, and we pity the unfortunate wight who is condensed by fate's severe decree to trade offers. fortunate wight who is condemued, by fate's severe decree, to trudge along through life's dullpilgrimage without one.





# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 2, 1867.

## AGRICULTURAL CHEMISTRY AND FARMING.

THERE lies a wide gulf between theoretical and practical farming; if it were not so, we should not observe farmers acting in complete 1867. By complying with this request, we can of flour have declined from 35 to 50 cents, and defiance of the well established dogmas of Agriculture. Rotation of erops, for instance, so frequently and so fully ventilated by theoretical writers; but where is this carried out to its legitimate extent, among us? Under-draining, another equally certain benefit, we see little of, in all our agricultural exeursions. Economy of the exerementitions matter of the barn-yard, and judicious composting of the same; this too is generally overlooked; and, indeed, every other well ascertained principle which demands system to earry it out; hence the late Professor Mapes 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 advanced by theorists that is well founded and proved by long practice; but much is advanced in treatises on the untrition of plants, that is not quite as fully proved. Some years ago, a great demand was created the intelligent farmer should take towards improving and cultivating his soil understandingly; but so little agreement was evinced among the learned analysts, as to the comparative value 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 much more important differences than these between anthorities. The very source of fertility to plants is by no means agreed npon. There are some who regard humus as the great desideratum; others are continually on the search for ammo-One writer claims that the humns is supplied in the manure restored to the field from the barn-yard; another persists that this is impossible; and so of many other essential elements. The writer who can conciliate these discordant theories, will confer a great benefit on the reading and investigating farmer.

Pennsylvania Agricultural Society.—At the late meeting of the State Society, held at Harrisburg, it was decided to have a trial of Agricultural implements, under the supervision of the Society, during the coming Summer. The legislature will be asked for an appropriation for that purpose. The Society will receive proposals, until the 19th of March, for the location of the next State Fair, to be held on the 24th, 25th, 26th, and 27th of September. Philadelphia is the best and most remunerating locality that can be selected.

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

Back numbers of our journal can be furnished to all new subscribers. As the contents are not of a news character, but comprise valuable essays on agriculture and kindred subjects, they will be "good for all time." The illnstrations already used, are worthy of preservation. In fact, the Farm and Fireside should be preserved for binding at the end of each volume.

The New Orleans Times says the sugar crop of Louisiana this year will reach 50,000 hogsheads, against 16,000 last year, and that only extraordinary obstaeles will prevent a production of 100,000 next year.

HENRY WARD BEECHER says cholera is "God's opinion of nastiness."

#### LOCAL AGENTS.

Publisher.

AGRIOULTURAL SOCIETIES.—Secretaries of Agricultural Societies in the United States, are 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 free trade tariff on wool will not be adopted. We sincerely hope this will be the ease; but demand. Congress is a very uncertain and nnreliable body. They will adopt and pass almost any measure, or policy, which is engineered by skillful financial agents or lobly-men. When the wool-grower is properly protected by Congress, it will be after he has subsidized a majority of its members.

new artesian well at Novembay, Wis., a few days ago. The well is one hundred and seven feet deep, tubed the whole distance, and elosely filled at the top with a force-pnmp, so that the fishes can come from nowhere but at that (in the vicinity of the office of an agricultural depth under-ground. They are about two journal) for analysis of soils, as the first step inches long, nearly white, and do not resemble any variety common in these waters. One of them was injured coming through the pump and died, the other is alive. There was no indieation of having struck a stream when the well was finished, although the water came in inexhaustible quantities, accompanied by exeeedingly fine sand.

> Superior Liquid Blacking.—Equal to any made. Use ivory black in fine powder, 28 pounds; treacle 8 pounds; refined or dropping sweet oil 1 pint; good malt vinegar one gallon; stale but good beer, two gallons; oil of vitrol two onnees, soft water distilled, six gallons .-Mix treacle and water well together, and to powder add oil tillwell mixed; then add porter and vinegar in pan; stir well together one hour with stick, then fill for use.

A STATEMENT made to the Senate Committee on Agriculture declares that the annual consumption of unsconred wool in the United States is little more than one-third of the estimate in his annual report. It makes the total wool supply for the fonr years ending June, 1865, amount to 800,000,000 pounds, 300,000,-The place has not been designated, but will 000 of which were produced here, 279,000,000 probably be in a central section of the State. imported, and 220,000,000 introduced as mannfactured woolens.

> WE believe the Canadians have good reason to oppose annexation to this country in the fact that, in the eastern province, fresh beef can be had at 4 cents per pound; mutton, 7; pork, 10; bntter, 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 cities and San Francisco is so great, that it is estimated that on a cargo of wheat, which recently arrived in Philadelphia from San Francisco, a profit of \$75,000 was

> "Pray excuse a bit of sarcasm," said Smith to Jones, "but you are an infamous liar and sconndrel." "Pray, pardon a touch of irony," replied Jones, as he knocked him down with the poker.

> CELLARS.—Pick over the garden vegetables, potatoes, apples, &c., on stormy days, and remove all that are decaying. This is essential on the score of health as well as economy.

> GREEN PEAS were offered for sale in the Tallahassee, Florida, markets on New Year's

LOCAL AGENTS.—We wish a LOCAL AGENT, to obtain subscribers for the Farm and Fireside, in every town in the United
States. For terms, apply to the Publisher, at once.

It to immediate wants of private families.
The total receipts were 6508 beeves, 46 mile calves, 20,071 sheep and lambs, and 7947 swife

WOONSOCKET AGRICULTURAL SOCIETY.

A meeting of the Woonsocket Agricultural WE wish to appoint a local agent, for this Society will be held at the hotel of Cook, Maournal, in every town and county in the son & Co., Woonsocket, on Tuesday next, to United States. Our terms are liberal and consider the expediency of petitioning the worthy of attention. Apply, at once, to the General Assembly for an act of incorporation.

DEOLINE IN FLOUR.—Consumers will be glad to learn, or would be if retailers ever hear of invited to send us a list of their officers for such news, that during the week the best grades lower grades somewhat less. The receipts at the western markets were considerably in exeess of corresponding dates of previous years. As one drawback here, however, stocks in the hands of bankers and dealers have become low, and there is, to some extent, an export

The local millers have not purchased half the average. The stocks of flour are liberal, but of wheat are very light. In Baltimore and Philadelphia millers have stopped grinding beeause they have no wheat, and the stock is below last year. At Chicago and Milwaukee, the principal sources of snpply, the stocks at the latest dates aggregated only 1,200,000 bushels, Two fishes came through the pump of the against 2,500,000 bushels last year. - N. Y. Express, Saturday.

### Marriages.

In Slatersville, 19th ult., hy Rev. E. A. Buck, Mr. Jon athan Brumley, of Woonsocket, to Miss Mary J. Winterbottom, of S. In Smithfield, 29th ult., by Rev. Jonathan Bruyton, at the residence of the bride's father, Hon. Bradbury C. Hill, to Mary, daughter of Hon. Lewis Bexter, all of Smithfield: Jan. 29th, by Rev. W. W. Sever, Mr. James Brown, of Olneyville, to Elizabeth, daughter of Mr. Thomas Martin, of S. In Attleborough, 19th ult., Mr. William H. Thurber, to Miss Elizabeth M. Parmenter, both of Attleborough. In Providence, Jan. 29th, by Rev. S. D. Hopkins, Mr. Alzirus W. Powers, to Miss Watie L. Hopkins, daughter of the olficlating clergyman

### Deaths.

In Slatersville, 26th ult., Isabel Howard, daughter of Rev. E. Buck, aged 2 years and 6 months. In Smithheld 24th ult., Mrs. Urania Green, aged 56 years and

In Smithheid zad une, area months.

In Valley Falls, 18th ult., David Patt, Esq., aged about 50 yrs. In Cumberland, 21st ult., James Jillson, aged 67 years. In Providence, 23d ult., Mrs. Martha D. Asbton, aged 47 yrs. 20th ult. Walter Jones, of Medield, 66; 24th ult., Mrs. Abigail Vilbur, of Smithfield, 86; 25th ult., Mrs. Amey Salsbury, of Canada.

flour, of Sminnett, co, reas and framely, 63 for Fruit Hill, 24th ult., Francis H. Mann, 54. In Fawticket, 26th ult., Thomas Carpenter, 79. In River Point, 24th ult., Hannah A. Wilcox, 41. In East Providence, 25th ult., Capt. Martin Page, 94. In Milford, 21st ult., Eyron D. Haskins, 31; Michael Shee-

In Milford, 21st uit., Eyron B. Hassans, v., ann, 14.

In Hollistou, 22d uit., Henry F. Chamberlain, 24.

In Bellingham, 19th uit., Laura M., daughter of Luther W. Asson, aged 5 weeks.

In East Douglas, at the residence of her son-in-law, Mr. H. L. Martin, Mrs. Saloma Allen, widow of the late Eden Allen, of Darlton, Mass., aged 65 years, (Worcester papers please copy. In Blackstone, 24th uit., Lilly U. Burns, daughter of John B. and Katie S. Burns, aged 2 years, 4 months, and 3 days.

One sweet flower hab drooped and faded,
One sweet infinit's voice is fied,
One fair brow the grave bath shaded,
Our dear LILLY now is dead.

## The Markets.

WOONSOCKET RETAIL MARKET.

FARM PRODUCTS, PUEL, &c.			
Hsy ₹ ton	Beans & quart13c		
GROCER	GROCERIES, &c.		
Corn Meal. \$1 30 Rye. \$1 50 Salcratus. 10a15c	Raisins   22a25c     Molasses 7 gal   75a35c     Y. H. Tea   \$1 20     Black Tea   \$0ca\$1 20     Oli 75 gal   \$1 00     Fluid 75 gal   \$1 00     Candles 75 lb   25a50c     Eggs lb   doz   45c     Lard 75 lb   17a20c     Suzur 73 lb   14a18c     Lard 75 lb     Lard 75 lb		
MEATS, &c.			
Bccf Steak         18a25c           Bccf, corned         10a15c           Tongues, clear         20c           Mutton         9a14c           Yeal         10a20c           Pork, fresh         15a18c	Hams         18a20c           Poultry         20a25c           Shoulders         15c           Sausages         29c           Tripe         11c		
<del></del>			

CAMBRINGE MARKET,-Jan. 29. Amount of Live Stock at Market.

Cattle. Sheep & Lambs. PRICES. — Beef Cattle — Extra, \$12 50@13 75; 1st quality

11 00@11 75; 2d do. \$9 50@10 75; 3d do. \$7 50@a9 00. Working Oxen -\$150, 200, 250@300 % pair. Milch Cows and Calves—\$45, 55, 75, 100al 26. Yearlings—\$20@30; two years old \$40@55; three years old

ecp and Lambs-In lots, \$1 50, 2 00@2 55 cach; extra \$3

Prices of Hides, Tallow and Skins—Hides 9%c ₹ lb. Tallow 39 tb. Calf Skina 20c 79 lb.

Pelts-\$1@1 25 each.

### NEW YORK CATTLE MARKET.

MONDAY, Jan. 28.—In view of increased receipts, the market for Beef Cattle bas ended dull, and a slight decline bas beer conceded upon all grades, extra selling nt 15c, good generally at 16c, and fair at 14a15c, while common sold at prieca ranging at from 10a13c. About 2200 head were on sale this morning.

Milcb Cowa were if anything firmer, at prices ranging at from \$45all5, though the demand was very light, being confined to

tbe immediate wants of private families.

The total receipts were 6508 beeves, 46 mileh cows, 380 yeal

# Advertising Department.

### Rhode Island.

MILL RIVER IRON WORKS

Manufacturer of FLUE and TUBULAR STEAM BOILERS, OIL and WATER TANKS, WATER PIPE and PLATE IRON WORK of every description.

Bollers repaired in a thorough manner at short notice,

SHOP AT NORTH END, NEAR HARRIS'S NEW MELL. Refers by permission to

RICE, BARTON & Co., Machinists and Boller Makers, Worcester, Mass.

BELLOWS & WHITCOMB, Engineers, Worcester, Mass.

C. W. KIMMALI, ESQ., late Master Mechanic U. S. Armory,
Springfield, Mass.

HON. E. HABEIS, Woonsocket.

A GRICULTURAL IMPLEMENTS.—A. S. AENGLD, dealer In Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares a Patent Harrows and Horae Hoea, Guittoria, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. | Holder's Block, Blain Street, Woonsocket, R. I.

ROAD SCRAPERS, made of old Car Wheels, for sale by
W. E. BARRETT & CO.,
22 Canal Street, Providence, R. 1.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

EXTRA HEAVY PLOWS, for road work and for breaking up new land, made by

32 Canal Street, Providence, R. L.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agents. W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

### Pennsylvania.

Moro Phillips's Genuine improved

SUPER-PHOSPHATE OF LIME.

STANDARD GUARANTEED. For sale at Manufacturer's Depots, No. 27 North Front Street, Philadelphia,

AND No. 95 South Street, Baltimore

And by Dealers in general throughout the Country. Philadelphia, February 2d, 1867. PHONES' SUPER-PHOSPHATE, THE STANDARD MANURE—Manufactured and guaranteed by Potts & Klett, Camden, N. J., who now manufacture solely for B. M. Phoades & Co., Ballunore—recommended by Dr. Puge, President of the Pennsylvania Farm School.

General Agents for Pennsylvania, New Jersey and Delaware, February 2d, 1867.

GUANO SUBSTITUTE !

BAUGH'S

RAW BONE SUPER-PHOSPHATE OF LIME. BAUGH & SONS, Sole Manufacturers,

BAUGH BROTHERS & Co.,

General Wholesale Agenta, 

E C. B. ROGERS, 133 MARKET STREET, PHILADEL-CLOVER, TIMOTHY, ORCHARD, HERD, and KENTUCKY BLUE GRASS SEEDS. GARDEN SEEDS.

H. A. DREER'S .SEED AND AGRICULTURAL WAREHOUSE,

1 mported and American

No. 514 CHESTNUT STREET,...........PHILADELPHIA.

A full stock of fresh and genuine VEGETABLE, FLOWER, AND GRASS SEEDS, IMPLEMENTS, BOOKS, &c.

Just published,
DREER'S WHOLESALE LIST, for the Trade only. DREER'S FARMERS' AND GARDENERS' PRICE LIST. DREER'S GARDEN CALENDAR for 1867, with lists of Seeds,

Plants. &c., and with brief directions.

EE Either of the above will be mailed on receipt of n stamp.

LANDRETH'S RURAL REGISTER AND ALMANAC, FOR 1867, IS JUST PUBLISHED.

It contains many valuable hints on Rural Affairs, and will be mailed to all who Who ENCLOSE A TWO CENT STAMP,

DAVID LANDRETH & SON,

Agricultural Warebonse and Seed Store, Nos. 21 & 23 South-Sixth Street, Philadelphia.

GARDEN, AND FLOWER WILLIAM HACKER NO. 803 MARKET STREET, ...... PHILADELPHIA.

Importer and Grower of

AGRICULTURAL AND GARDEN SEEDS. TREES, PLANTS, AND BULBS.

\$ \$\overline{Z}\$ Circulars on application. Country Merchants, Dealers, and Druggista supplied at the lowest rates.

A LLEN & NEEDLES, ...... Manufacturers of

SUPER-PHOSPHATE OF LIME.

AMMONIATED FERTILIZERS. OFFICES, \ 42 South Delaware Avenue, \ PHILADELPHIA. \ 41 South Water Street. Established in 1848.

Hew Fersey.



Goon Income for a Dull Year.—Government has derived over \$175,000,000 from Internal Revenue in the six months and a half which have clapsed to a yearly aggregate of about \$328,000,000, against the estimate of \$285,000,000 for the whole year, made by Commissioner Rollins in his last annual report. It will be remembered that the official returns of the aggregate receipts from excises for each of the last three fiscal years were as follows: 1864, \$117,145,748.52; 1865, \$211,129,529.17; 1866, \$310,906,984.17.





## Paetic Gems.

#### THE FIRESIDE.

near Chloe, while the husy crowd, The vain, the wealthy, and the proud, In folly's maze advance; Though singularity and pride Be called our choice, we'll step aside Nor join the giddy dance.

From the gay world we'll oft retire To our own family and fire, Where love our hours employs; No noisy neighbor enters here. No intermeddling stranger near, To spoil our heartfelt joys.

If solid happiness we prize, Within our breast this jewel lies, And they are fools who roam: The world hath nothing to hestow From our own selves our hliss must flow.

Though fools spurn Hymen's gentle powers, By sweet experience know That marriage, rightly understood, Gives to the tender and the good A paradise helow.

Our habes shall richest comforts hring; If tutored right, they'll prove a spring Whence pleasures ever rise; We'll form their minds with studious care To all that's manly, good, and fair, And train them for the skies.

While they our wisest hours engage, They'll joy our youth, support our age, And crown our hoary hairs; They'll grow in virtue every day, And thus onr fondest loves repay, And recompense our cares.

No borrowed joys, they're all our own, While to the world we live unknown, Or by the world forgot; Monarcha! we envy not your state We look with pity on the great, And hless our humble lot

Our portion is not large, indeed; For Nature's calls are few; In this the art of living lies, To want no more than may suffice. And make that little do.

We'll therefore relish with content What e'er kind Providence has sent, Nor aim beyond our power; For, if our stock he very small, T is prudence to enjoy it all, Nor lose the present hour.

To he resigned when ills hetide, Patient when favors are denied, And pleased with favors given Bear Chloe, this is wisdom's part, This is that incense of the heart Whose fragrance smells to Heaven

We'll ask no long-protracted treat, Since winter-life is seldom sweet; But, when our feast is o'er, Grateful from table we'll arise, Nor grudge our sons, with envious eyes, The relics of our store.

Thus hand in hand through life we'll go: Its chequered paths of joy and we With cautious steps we'll tread; Quit its vain scenes without a tear, Without a trouble, or a fear, And mingle with the dead

While conscience, like a faithful friend, Shall through the gloomy vale attend, And cheer our dying hreath— Shall, when all other comforts cease. Like a kind angel whisper peace, And smooth the bed of death.

## Marticulture.

### GRAPE CULTURE, \_\_ "OUT DOOR."

Written for the Farm and Fireside, BY R. ROBINSON SCOTT, PHILADELPHIA.

ALTHOUGH the practice of raising grapes u der glass is no longer a mystery, or even a difficult matter to an intelligent individual, yet the successful cultivation of the grape, "out utes, at a discussion before the Fruit Growers' doors," on an extensive scale, and in many in- Society of Eastern Pennsylvania, when this stances to quite a small extent, remains an uncertain undertaking. Yet page upon page and the soil in the vicinity of this city to grape culcolumn after column of our rural periodicals ture, was the topic which most interested us. have been occupied with the discussion of this Among other facts was adduced the success of very subject. What is the matter? Are the a Mr. Kern in planting a vineyard in the valley American fruit cultivators non-plussed, or is it of the Schuylkill, a few miles from Philadelonly the uninitiated who thus whine over fail- i phia; or, at least, on the ground contiguous to ures and disappointments? Not the uninitia- that river. I am informed, hy recent inquiry, ted only, for the wiseacres give it up, as an un- that, the last season, the crop failed to be a certainty. Will the writers to be employed on success. We propose, at the earliest opportuthe "Farm and Fireside," be able to aid us in inity, to investigate the history of this particu-

profess to speak by the card, that the causes believed to flourish best on dry hill-sides, on apple. He offers to wager \$100 that this cannot courteous to your fellow heings as you are to

account for the failures which have occurred, that high manuring does not suit the constitu-One thing, however, is certain: many cultiva- tion of the vine; or, at least, that it deterioing 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 many tracts in.this vicinity, and in our State, ou which a cultivator of skill and means, could grow the grape, remuneratively? We think there are. Such 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, somewhere on the banks of the Schuylkill. Has he failed from auy defect in the soil? It is averred not; nor from any appreciable error in cultivation, it is said. Will any reader of this article who is conversant with the history of the vineyard, mentioned recently in several rural periodicals as heing a failure, state the history of that vineyard, and the wild grape luxuriates in a swamp, climbing over tall trees and hangs in clusters of pergrape must not necessarily be expected to do so under any such circumstances, unless it be submitted strictly to the same routine, unlimited 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 the blundering cultivator, with all his skill, has reached the secret of nature's unerring master-

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 concerned; at least, so say those who profess to he informed. Enough has been done, however, to eucourage the hopeful experimentalist to progress, and we feel assured that out-door grape culture will oue day be a certain thing

The profitable cultivation of the grape in open vineyards, has been for years, and it still is, one of the most important branches of experimental gardening; it is experimental, for in no single instance that we can quote, have the results beeu, without exception, satisfactory, after a fair trial. That a fair profit has been realized in some districts of the country, such as Ohio and Missouri, we do not deny; but that the returns have been in a series of years such as were expected or warrauted. by the theoretical data which led to the experiment, we certainly elaim. The results so far, have been realized by the adoption of peculiar methods of planting, training and pruning; in many instances deduced from European practice, with the vitis vinifera; and in others, modifications of European systems, supposed to be better suited to this climate and to the American varieties of grape. We do not propose here to detail any number of these experiments, one fact is well ascertained, that on suitable soil, with judicious culture, fair returns have been realized, as in the case of Dr. Underhill of the Croton Vineyards, New York, and the plantations connected with the estab-

We recollect being present, for a few minsubject was introduced. The adaptation of the dissemination of any useful information? all ar plantation, and try to discover wherein the

even atmospheric influences, are sufficient to the soil above alluded to.. It is also affirmed tors have enriched themselves, if not by grow- rates the flavor of the wine. This is quite reasonable. We presume, however, the great desiderata to success lies in the judicious pruning, training, and cropping of the vines, provided 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 pursued of keeping the vine within certain limits, hy annual cutting in, is beginning to he opposed, and the condition of the luxuriant wild vines rambling over trees and bearing heavy crops, are pointed to in support of the ahandonment of the close pruning system. The peculiar atmospheric conditious which so unfavorably 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 hlamed with a large share of the injury. Now to all and each of these causes, a portion of the failure must under various circumstances let us reason from what we know. Because and in various seasons he attributed, so that to be asked to give any satisfactory explanatiou of the failure of a single vine or vineyard, the fect, though unpalatable, fruit, the cultivated facts and circumstances must all be taken into account.

February 1, 1867.

THE CHESTNUT TREE. USEFUL AS WELL AS ORNAMENTAL

Written for the Farm and Fireside, BY F. R. ELLIOTT, CLEVELAND, OHIO.

Among all our forest trees for planting, to give shade and comfort around the homestead, or to add heauty and graudeur to our extended domains, none are more deserving 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 graceful in form, growing the following extempore prayer, attributed by well in any soil, free of lime and well draiued; the chestnut affords us a tree of value in shade command ready sale in market, netting to the owner of trees, fifteen to twenty years planted, from twelve to thirty dollars, according as the nuts 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 row or the Spanish. All are readily grown from seed, or they can be propagated by sidegrafting in the Spring. Some doubts have been expressed as to the hardiness of the marrow chestnut, but we know a grower in northfrom seed, and they are thus far perfectly hardy and healthy.

February, 1867.

THE GARDENER'S PRIVILEGES.—The question was once asked by a very beautiful woman, "Why is a gardener the most extraordinary man in the world?" The reply was as follows: "Because no man has more business on earth, and he always chooses good grounds for what he does. He commands his thyme; he is master of the mint; and he fingers pennyroyal. He raises his celery every year, and it is a had year indeed that does not hring him lishment of the late N. Longworth, of Cincin- a plum. He meets with more boughs than a nati. Others have failed from time to time and minister of state. He makes more beds than have had the effect of discouraging new exses and lilies than are to he found at a country wake. He makes raking his business more than his diversion, but it is an advantage to his health and fortune, which few others find; his wife, morcover, has enough of heartsease, 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 Wellington. But his greatest pride, and greatest envy of his companion is, that he can have yew when he pleases."

Iowa Apples.—Mr. Burr Andrews showed the editor of the Deventport Democrat a basket containing 100 apples which weighed 125 We have been recently told, by those who cause of failure lay. The grape is generally pounds, or an average of 20 ounces to the hitherto adduced, viz: soil, situation, aspect or gravelly loam; such, it is said, is the nature of be beat by any orchard in the United States.

## Miscellany.

THE MINERALS IN OUR BODIES .- In the hody of a man weighing 154 pounds, there are about  $7\frac{1}{2}$  pounds of mineral matter; consisting of phosphate of lime, 5 pounds 13 ounces; carbonate of lime, 1 pound; salt, 3 ounces 3,76 grains; peroxyde of iron, 150 grains; silica, 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, mirogen and carbon; one hundred and cleven pounds of the oxygen and hydrogen being combined in the form of water.

Though the quantity of some of these substances is very small, it is found absolutely necessary to health that this small quantity should be supplied; hence the importance of a variety of food. If we furnish uature with all the material required, she will select such as the system needs, and that always just in the proper quantities.

THINGS WORTH KNOWING .- A bit of gluc dissolved in skim milk and water will restore old crape. Half a eranherry bound on a corn will soon kill it. An inkstand was turned over upon a white table cloth; a servant threw over it a mixture of salt and pepper plentifully, and all traces of it disappeared. Picture frames and glasses are preserved from flies by painting 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 washing the crevices with strong salt water, put on with a brush. Soft soap should be kept in a dry place in a cellar, and not he used until three mouths old.

In a work entitled "English Eccentricities," recently published in Londou, may be found the author to a certain Mr. Ward:

"Lord, thou knowest that I possess nine or heauty, equal to that of many others, and houses in the eity of London, and that I have adds a erop almost yearly of uuts, that always recently bought an estate in the county of Essex. Preserve, therefore, I pray thee, the two eounties of Middlesex and Essex from fires aud earthquakes; and as I have an hypotheeated estate in Hertfordshire, look also in compassion upon that county; as to the other portions of the country, do as thou wilt. Lord, eonsolithem being almost as large as the French mar- date the Royal Bank, that it may honor its notes. Let all my dehtors be or hecome houest meu. Give a prosperous and speedy passage to the sloop Mermaid, for the insurance of which I am responsible. Preserve me from rohbers and brigands. Make all my servants ern Ohio who has them eighteen years old, faithful and devoted, that they may watch over my interests and uot relax their diligeuce by 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, because of the sinful propensities which he derived from the fruit of the forbidden tree, a beard was made part of his punishment and his disgrace, bringing him thus into nearer resemblance with the heasts, towards whom he made his nature approximate. The same stigma was not inflicted upon Eve, because even in the fall she retained much of her original modesty, and, therefore, deserved no such opprobious mark. Von Helmont observes, also, that no good augel ever appears with a beard; and this, he says, is a capital sign by which angels may be distinguished.

> SUGAR IN THE SANDWIGH ISLANDS.—The portion of the people of the Sandwich Islands who for some time past have been engaged in raising sugar, have found its cultivation quite profitable. They exported 3,005,603 pounds in 1862, and 5,262,112 pounds in 1863, whilst in 1864 the exportation had almost doubled, having reached 10,414,441 pounds. They also supply the entire domestic demand. New sugar plantations are constautly started, whilst the area of land as yet untouched which is said to he adapted to sugar cultivation, is very

> If you are looking at a picture, you try to give it the advantage of a good light. Be as a picture.



THE FARM AND FIRESIDE 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 be to make a journal emineutly 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 its columns this journal will advocate the best interests of the farm and the fireside. Terms—\$2,00 per year, in advance. Single copy, 5 cents.

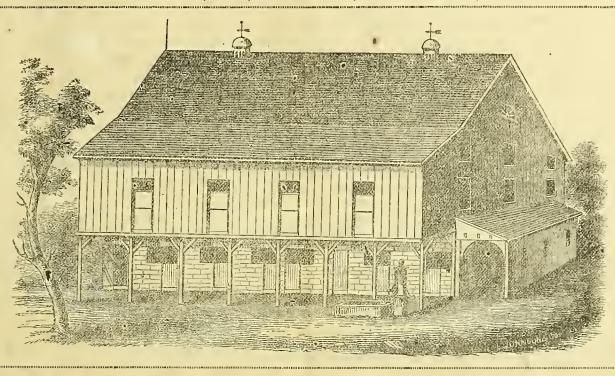


ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT FOR RHODE ISLAND

VOL. 1.

## WOONSOCKET, R. I., SATURDAY, FEBRUARY 9, 1867.

NO. 5.



## Farm Architecture.

### A PENNSYLVANIA BARN.

WE do not present the accompanying emnitely superior to the large majority of barns in use throughout the country. In some portions of Pennsylvania it is in high favor with farmers; but, to be quite candid, we have met with those having such a barn in use who like it better in appearance than practice. The picture, as presented, leaves all interior arrangements to be guessed at; but having made ourselves familiar with them, we find several portant:

nor even a cellar kitchen with one open front, without incurring risk of divers diseases incident to damp walls and imperfect ventilation. Besides, we argue that, in order to secure the best condition of health and comfort to stock,

Our second objection applies to the entrance twice handled in order to get it to the further the idea of drinking tea. And why? They

one pitching puts the hay back.

troduced. Owners of firms, or country es-Fireside.

### TCE AND TCE HOUSES.

Written for the Farm and Fireside, BY ALEX. HYDE, LEE, MASS.

WE are in the midst of the ice harvest, and a few hints on this valuable crop may not be objections,—the following being the most im- inappropriate. We have been accustomed to and is not educated to this want of civilized First, a "ground floor" cellar, with thick only the well-to-do could indulge in it. If ice stone walls, incapable of ventilation by lateral is a luxury, it is the cheapest luxury that can draught. We cannot stable stock in a cellar, be indulged in. It is beyond the capacity of the largest head to comprehend the number of to notice how small a hole we made in the little lake from which we have been accustomed floor and "bay" arrangements. Opposed to lake alone will yield over a million of tons, at been induced to build an ice house; and we all backing down, or out, from any good work, one harvest; and as the ice will make about as notice that those who use it for one season, we object to the one door principle. Drive in a fast as it is harvested, there seems scarcely a at one end, and out at the other, is all go-ahead limit to the amount which one such lake will work, and affords free ventilation when re- furnish; and this abundant harvest is reaped constantly as the domestic consumption. The quired, as it often is, by setting wide open both without the expense of planting or cultivating. foreign demand began in 1805, when Frederbig doors. Two other strong objections to a A luxury so cheap as this, all may include in. ick Tudor first shipped a cargo from Charlesside entrance are, first, that unless the barn is It is as free as the grass on the western prai- town, Mass. Last year (1866) 450 vessels out of proportion in width, there is only rics. Not even an excise tax is exacted upon were loaded, at Boston, with 160,000 tons of length enough to admit one load of hay or it. It is literally "without money and with-lice, valued at \$1,000,000. During the same grain at a time; and if there comes up a sud- out price." Why do not more avail themselves year the ice dealers at Boston paid \$30,000 for den shower, as there often does in haying of this cheapest of luxuries? Mainly for two time, and there are two wagons loaded, only reasons. The first is, ignorance of its value; risen from nothing to \$3.50 per cord. Here one can be got under cover; whereas, going and the second, the idea that an ice house is we see beautifully illustrated the law of reciplength-wise, in an eighty feet barn, three may necessarily an expensive structure. Let us rocity, that when one trade is stimulated, othbe got in. The second objection to the side consider, briefly, both these reasons. Our ers also receive an impetus. Thus much for entrance is, that all material put in must be great-grandmothers, a century since, ridiculed ignorance of the value of icc.

side of the bays. From a length-wise passage. I did not know its value, did not even know how house is not necessarily a nice house. As we We intend to present, by and hy, a model old lady describe her first tea-drinking. The barn; in which all these objections are ob- tea was made in a porringer, and eaten much viated, and several practical improvements in-like vegetable soup, leaves and all, sans sugar and cream. But in spite of ignorance and bellishment as a picture of the best barn in tates, having improved barns, may send as prejudice, tea has become almost a necessary use; though, in several essential points, infi- photographs of them; and, it approved, we lof life, and physiologists assert that it is even will have them engraved for the Farm and an economical article of diet, as it prevents the waste of other food, and therefore diminishes the amount requisite for the sustenance of the body. Be this as it may, we know that the hard-working man needs his tea as well as his bread, and is about as willing to go without the one as the other. The Irishman newly arrived from the Emerald Isle, cares nothing for sugar. He has never been accustomed to it, speak of ice as a linkury, and to suppose that life, but is not slow to learn its use and indulge in it, if it can be done at the expense of his employer. The case is very similar with those been accustomed to its use, and are ignorant of tons of ice that are every year wasted for the its refreshing and invigorating power. We potatoes, hut Sir Walter Raleigh found it difficult to induce his countrymen to cultivate foot of ice contains sixty pounds, this little enough without ice," who have afterwards is dry saw dust. seldom forego the luxury.

The export of ice has increased almost as saw dust. The price of the latter article has

ti-Tambot it. We well remember heer gan bean build a shanty or a palace to live in, so we can construct a rude or tasteful shelter for ice. Indeed, a separate structure even is not necessary. A corner of the barn or wood sled will answer every purpose; and if this space cannot be afforded, then a corner in the barn yeld will be all sufficient. Lee is not sensitive as to the place of its abode, and retains its character for purity wherever placed. In freezinga or ystalizing process—the water rejects all impurities, and firmly refuses to admit them again as long as it remains in the solid state; so that it can be placed in a baru-yard and s urrounded with filth, without being centaminated even skin deep. Whoever has removed a pile of chip dirt or tan bark in June or July, and found pure ice under it, must have discovered the secret of its preservation. It is merely to surround it with some porous substance. which will permit the circulation of warm sir who declaim against ice. They have never and rains. As we surround our bodies in winter with flannel and firs to keep the heat from passing of, so we surround ice with simwant of harvesters. We have been surprised wonder, now, how people ever lived without ilar non-conductors to keep the external heat from coming in contact with it. A piece of ice surrounded with three or four thicknesses the stable ought always to have a sub-cellar to for years to take the thirty or forty tons requi-tem; and at the first trial, this most valuable of flannel, will not melt, any sooner than a receive the manure and secure perfect drain-site to fill our ice house. The lake is estimated of the esculent roots was generally discarded, body thus protected will freeze. The cheapto contain a square mile; and as each cubic We have heard many say "Our water is cold est and most efficient non-conductor probably on the ground, to prevent the heat of the earth from ascending, ice may be stacked up almost anywhere, and covered with the same cheap material, so as to be preserved through the summer. A few old boards or a thatched roof of straw, to keep off the rains and snp, will be all the roofing required. The larger the amount of ice in one ecopact bedy, the Letter it will keep. The practice of digging cellars in which to keep ice, is not adopted in large establishments. It is found to keep full as well in structures above ground. The main advantage of the cellars, is the case with which the ice is dumped into them. The difficulty, however, of raising ice into structures a Love ground, is not as great as generally supposed, as it slides easily on an inclined plane, The second reason is equally fittile. An ice and is more than compensated by their dura-



Work for Agricultural Colleges.—Show the people, poor and rich, how they can substitute correct taste for expenditure of money in the adornment of their homes, and the whole world will bless you. Behold the lilies, how they grow. A well kept lawn, however small, with here and there a tree, is more beautiful than all that brick and mortar can bridd. Teach boys to associate with the country home and farm, ideas of elegance and refinement, and they will not hasten to desert them for the city. Show the man of business how he can afford to live handsomely in the country, withrefinement, and they will not hasten to desert them for the city. Show the man of business how he can afford to live handsomely in the country, wont financial ruin, and the town will not hold him long. From the agricultural college in all these matters the people look for light, — Judge French.





the earth, kept damp by the ice, that for an our garden? It was the same Being who breed; and it was found that oxen generally underground ice house we should recommend made man; and think you they were made for stone, furrowed out with plank. Between the no good purpose? stone and plank, fine charcoal or saw dust may be placed. The lining of plank will in the course of time decay, but the stone walls nothing to do but to dig the earth. The very will remain good for posterity. The blocks of dispositions of your daughters are molded, in a ice should be sawn perpendicularly, and of nniform length and width, so that they may be packed closely. As with all this care some in your yards and gardens at a trifling expense. cracks will remain, these must be filled with pounded ice. The hauling and packing should be done on a cold day, with as little exposure 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 saw dust should cover the whole before the mild weather of Spring comes on. A covering of six inches of saw dust is all snfficient; but as few ice honses are perfect non-conductors, the ice generally melts a few inches on each side, as the snmmer 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 cube; that is, with its length, breadth and height equal, is the perfection of shape. A cube 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 recommend 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 enough for ourselves, we can enjoy the luxury of giving it away, and there is no question 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 moistnre, unless located in a sand or 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 of wheat and corn, and the South of her rice and cotton, but with our numerons lakes and our thermometers at °, 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 sufficiently valued.

February, 1867.

## EMBELLISHING THE FARM.

THERE 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 men o taste, and which may not be expensive.

No farm house can be left without trees around it, to furnish shade in warm weather, and be inviting; and when such a farm is offered for sale, no one will purchase it but a man void of all taste, and such men do not pay very high prices for farms.

Every farm house, and the snrrounding buildings, should be in good repair, and well painted. The fences should be neat, especially those around the front yard, and immediatehappens 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, excepting 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, if they possess any taste.

For what do we live? Is it solely to secure what food and raiment that is necessary, to keep soul and body together, or is it to enjoy, 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 glory was not arrayed like one of these.' Who made these lilies and the millions of magnificent flowers that dot every field in their sea-

bility. Timber rots so rapidly in contact with splendid roses, and other flowers that adorn the best results for animals of the short horn

Farmers, you greatly mistake your duty in this world, when you consider that you have measure, by the means you afford them to cnltivate the floral kingdom—what may be grown

So, too, is the acerbity of temper in your sons, ameliorated and tempered by cultivating a desire for the beautiful. Look wherever you may, and you will find the farmer who ignores all respect for tidiness, 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 without any of the finer feelings of which human nature is susceptible, selfish in his dealings with his fellow men, and not particularly desirous as a neighbor.

On the other hand, when you see a beautiful dwelling, though it be ever so small, with its portals covered by climbing roses, its frnit yard neatly laid out, and well stocked with flowering shrubbery, its garden highly cultivated, and the whole showing a state of thrift and prosperity, you will find a family who are ornaments in society, and who are living as God designed man to live.

W hat signify the few dollars that it may cost to beantify your homes? You can 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.

## The Stock-Yard.

#### 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 seen any account of experiments made in this country to determine the point. Some farmers talk au Th very warm stables as the best for a Phtering 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 between first of July next. the boards open. They contend that in such quarters stock come out more healthy and lively in spring, and that if it does take a little more fodder, the gain is greater, on account of the more robust condition of the animals.

We remember to have heard this matter disenssed by two extensive and experienced dairymen at the meeting of a town clnb, 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. He had two stables of the description named—the one sided up with boards, and the other with walls, and partially under ground. He divided his stock keeping about half in each. Those in the underground consumed the least food, but on turning them ont ly adjoining the house; and the gates should to water, the cold air scemed to pierce them be strong and handsomely constructed, and all through and through. They were shivering kept well painted, so that when a traveller 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, and had never used it after for wintering 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 made in England for the ture different animals would thrive best and jury to frozen ears, cheeks and fingers, than son? Who made the thousands of varieties of between 55 and 60 degrees was conducive to bing it on gently for a few times.

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 excessive heat, or are we to induce the animals to waste it to keep up auimal heat by exposure to too much cold? And, then, another gnestion eomes in here-will uot different classes of animals, 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 consti-

and if there is a degree of temperature where of the ground, delighting in heaps of "long" the most economical use of food, the fact is mass of compost with great rapidity, by confect, and you can scarcely find any farmer a nseless waste of food or imperiling the health of his stock. The question seems the more to be growing dearer and dearer every day. over a new leaf, as soon as you can, without In many sections of the dairy region the barns most economical, our buildings could be arthings often too much by guess, and guess work often makes a waste of money. - Utica Herald.

#### TO BREEDERS OF THOROUGH-BRED AYR-SHIRE CATTLE.

The 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 full 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

George B. Loring, Salem, Mass. H. T. Collins, Collinsville, Conn. WILLIAM BIRNIE, Springfield, Mass.

I. N. BAGG, of West Springfield, Mass. favorably known in many public agricultural labors, has 'nndertaken the editorship of the new Herd Book, to whom all letters and money 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 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 milker. This is as essential in a breeding sow as in a good mare. Such an animal will raise better pigs, and, of course, her progeny will be better hogs for market. I find that hasty pudding and milk for the supper and breakfast, corn for dinner, constitute a very good diet for a breeding sow. A great many farmers have fallen into an error in not allowing plenty of straw for a bed. Many bnild a warm pen in order to avoid giving much straw. Let her rnn to a straw stack and she will build a nest to snit herself. If this is not convenient, she should have plenty of straw in the pen. Attend to these matters, and I will warrant no -Cor. Prairie Farmer.

THE Country Gentleman is informed, on what it considers good authority, that uothing purpose of seeing at what degree of tempera- is better for withdrawing the frost without inpnt on fat, it was found that the temperature the immediate application of kerosene-rub-

## Matural Mistory.

# EARTH WORMS — HOW AND WHAT THEY EAT.

Messes. Editors:—I see that you have pubhished an article about the habits of earth worms, which useful little creatures seem to be much underrated. They may eat earth, as your anthor asserts, but I have never seen them do it, although I have seen them eat other things with great voracity, and have also seen them reject particles of earth which adhered to their proper food, such as dead spears of grass, roots and leaves.

I have watched them feeding for hours at a lime, and retain a lively recollection of several rhenmatic attacks, resulting from the wetting got while so watching them. They feed at It would seem that we need some carefully the surface only when the withered vegetation conducted experiments to arrive at a point is wet with rain or dew and is in a soft and which may be regarded as a standard. Our pliable state. When their food found at the barns are now being constructed so that tem- surface is dry, and too harsh for their mouths perature can, in a great measure, be controlled, to manage, they retire to the congenial depths animals thrive best, and at the same time with manure, which they reduce to a homogeneous worth knowing. Our practice is very imper-suming the vegetable and undigested parts thereof, thus transforming the matter from a who has given a thought to the subject, and vegetable to an animal character, leaving the yet in his practice he may be losing money in mass at its lowest chemical status, and so fit for the food of plants. Indeed, I doubt if any atoms of vegetation can decay and be again fit important to us, at this time, because the food for other vegetable organisms without an price of hay and grains, as well as stock, seems intervening decomposition in animal digestive apparatus. At all events, it is easy to prove that earth worms are the compost makers, and are being torn down and improved buildings if we do not give them time to properly manerected. If we knew just what was best and ufacture their "product" while the manure is in the compost heap, they will appear in the ranged to meet these conditions. We do fields and then complete the job, and further, their work in the fields yields another benefit by their boring and opening of the soil.

Their manner of eating is worth noticing. If you seat yourself upon a grass plat or beside the strawberry bed, during a light rain in warm weather, and have the patience to sit perfectly still for ten or fifteen minntes, you will see innumerable worm heads protruding cantiously from the ground, and feeling around nntil a spear of soft and recently killed grass is found. The worm touches it first with the extreme point of the head and then the point retracts inward, much like the toe of a stocking when you touch it with your finger to commence turning it: then the worm shortens its 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 too 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, i is shoved along as the swallowing progresses, and not allowed to enter the mouth. The final act of swallowing the end, and biting off the lnmp of root which is sometimes attached, I have never seen, as that is performed within the hole: but I have frequently seen the worm re-appear with a pellet of earth balanced upon his head, or it may be only the piece of root if two litters a year. I speak of her being a good his supper was clean, which he deposits at the surface beside his hole, when he prowls around for more food while it is good.

When two worms seize opposite ends of the same spear, the pulling and hauling is most comical, reminding one strongly of his early days when he strnng grains of corn upon opposite ends of a string and fed two rival gobblers. The worm fight generally ends by the breakage of the grass, but if too strong for their strength they both swallow until their heads tonch each other, when they both "get," leaving the morsel, which they will not touch again. I have often seen these worms breaking off the dead parts of strawberry leaves, retrouble in raising pigs in the coldest weather. jecting the living parts and have also seen them apparently sucking the pollen from strawberry flowers. In the fall large tufts of dead leaves may be seen drawn partially within the worm holes, possibly by way of stoppers to keep out the cold.—Cor. Scientific American.

THE importation of pork into Russia is pro-



Agricultural Journals.—It is impossible to exaggerate the advantage to the farmer of reading—yes, of studying—all the agricultural newspapers which he can obtain. There are in this country at least one dozen publications of the kind, which, if he can possibly afford it, the farmer should subscribe for. No one who has done so and read them will deny that at the end of the year he has saved his money over and over again—and yet how many farmers there are who do not take one such journal—to say nothing of a dozen? Farming is, however, every day getting to that stage when reading and a high grade of intelligence will no longer be a matter of opinion, but a downright question between living and starving.





## The Field.

#### DIFFERENT KINDS OF GRASS.

KENTUOKY BLUE GRASS is the principal grass names, as June grass, from the time its seed ripens; green grass, from its color in the Northern and Middle States and Virginia; but in Kentucky and the Western States, where the climate and soil of many parts of those 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 thickest of all sods, and will continue to produce bountiful annual pastures for at least fifty years, and perhaps indefinitely. In notice. 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 fact and its use as a grass for hay and pasturage country, it is ill adapted to such a dry climate it is here noticed as a grass. It occupies a highas ours. When beginning its growth from the seed it is easily killed by the July drought, and my of the farm, for its hay is unequaled for it never spreads in a continuous and heavy sod farm uses. Its second erop yields a seed of such as is formed by the Kentucky blue-grass. It endures the cold of the winter, remaining greeuer than the Keutucky blue-grass, and may be advantageously mixed with it, because, growing iu strong tufts, it upbolds the long, sleuder blades of the Kentucky variety.

THE OROHARD GRASS.—In England this grass is called the eocksfoot, from the resemblance 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. Coeksfoot is prohably the best known and most productive of our indigenous grasses. It grows naturally to a height of from two to two fect and a half, and produces au immeuse quantity of nutritious leaves and foliage. Its only fault is that its habit of growth is tufty, which gives a somewhat unsightly appearance to pasture land. It is not, however, so liable to get tufty when combined with other grasses; more so when grown for hay by itself. Coeksfoot soon arrives at its full productive powers from the time of sowing, and 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 valuable 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 coeksfoot 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 exceedingly luxuriant when growing in deep, moist soils, under the shade of trees. When grown upon a fertile loam, with a free, porous subsoil, into which its fibrous roots can penetrate to some depth, it then becomes productive in an extraordinary degree; but if grown upon a thin, surface soil, with a stiffish subsoil, the produce is much less, and the plants are also liable to he drawn out of the ground by the cattle when grazing, owing to the slender hold which the roots can take. The cocksfoot grass is found to compose in large proportion the herbage of are ahout 4,000,000 acres of land enclosed and some of the most famed pastures in Devon- 1,750,000 under cultivation, as compared with shire, Lincolnshire, &c. It yields a weight of 1,197,984 under cultivation three years ago. a spring and fall growth only; during the summer their yield is small; timothy is slow in its last year was about 12,000,000 bushels, as com- of the yard of limit d; pa growth after it is mown, but the orchard grass pared with 5,000,000 iu 1863. Over 14,000,000 village, may well grows rapidly during all seasons. It is the earliest grass we have, and it remains green during the winter. Its strong tufts uphold the grazing, by sheep, in deep snows.

TIMOTHY.-Nearly all the hay which enters into the commerce of this country is made from nutriment in the same hulk than any other kind. or wet for grain crops, the time of its maturing ing a flock of very fine appearance and quality. outlay of eare and attention.

being after the grain harvests, make the timothy the very best of all our grasses for hay. Cut at that time, when it retains the ripened seed, it unites more than other grass the untrition of the seed with an undiminished value of for permanent pastures. It is known by other the stalk and leaves. The change it undergoes is very gradual, and hence delays from the demands of other work, or unfavorable weather, are not usually injurious. Its defects are, that it does not start early in the spring; that the aftermath grows slowly, although it is very States are very favorable to its growth, it is nutritious, and that when fed alone as hay, it is known by the name we have given it. Here it binding from its heating qualities. For the acquires, from the vigor of its growth, a blue farm stock it is best to feed it with the less tinge of color. From its tenacity of life and heating toddering substances, as corn fodder or elover hay.

This grass is indigenous to Great Britain, where it is called catstail, from the resemblance of the paniele to a eat's tail. But in this conntry it has derived its uame from Timothy Hanson, who was the first to hring it into public

RED CLOVER.—Although this plant belongs to the leguminous family, yet in common use the word grass embraces clover, aud from this er position than any other grass in the ecouogreat commercial value. As a pasture, from the beginning of May to the first of September, it is superior to any other; and, as a fertilizer for the soil, hy plowing a full elover crop under, it has no equal in any other plant. To its heavy and enriching top it adds a corresponding 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 stock, 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 suitableness for hogs has assisted much to swell the pork product of the West to its greatness. The red clover is of two kinds-the small, blooming twice in the season, the second of which is seed-producing, and the large, which blooms hut once. The latter is not yet generally known, being limited to a few localities. It is far more productive than the small, grows comparatively better on poor soil; but the hay is coarse. The time its seed ripens renders it well adapted to mixing with timothy, whieb, by its strong growth, assists in holding up the clover, for it falls on the ground when raised by itself aloue. The objections to clover are, that, having a root with a crown, it is forced upward by the expansion of the soil in winter freezing, and is often frozen out. To a considerable extent this may be helped by rolling in the spring. It is a biennial plant, and not perennial, and hence requires to be resown often. But it readily seeds itself when not pastured too closely in the fall, and meadows of mixed elover and timothy will endure many years without breakiug up.

RED TOP. - In low, moist, or wet situatious, the red top is an excellent meadow grass, for it is finer than timothy; but in dry grounds it is almost worthless. On dry pastures it roots out other kinds, yet yields lightly.

CALIFORNIA AGRIOULTURE. - The San Franeiseo Bulletin reports that in California there bushels of barley were raised in 1866.

## The Paultry Yard.

#### POULTRY AND POULTRY HOUSES.

As in the management of milch cows, so with fowls, it is as necessary to feed and to quarter, and to eare for and srleet your stock with judgment. An ordinary breed of hens, well housed and well fed, will he of more profit to their owners than the like number of neglected and foreign biddies who come of the best laying tribe.

It becomes us, therefore, to build houses for our poultry, convenient for their habits, and couvenient also for our own; for if attendance of any kind of stock occasions too much trouble, they will often be neglected. In building, therefore, let the house be handy for the hens, and as handy for yourself as possible; and of the two, we would say, in preference, make it handy for feeding, and for cleaning and warming aud ventilation, as the hour or season of each comes round.

Let their feeding hoppers and water fountains be in the building, or they may oeeasionally lose a meal when you are too tired to go after it. Let the facilities for cleaning their apartments he always at hand; or the atmosphere of their dormitory may chance to be overcharged with animonia. For the same roosts, nests and all.

It is well known that hens are modest birds, and seek seelusion and privacy while the sympthem. It is thought hy many that the production of eggs is like the yielding of milk in a cow, somewhat under the control of the creature; so it becomes us to add every inducetastes and whims, and making the nests as secret as possible.

The principal cousiderations of a poultryhouse are warintb, light and ventilation. Warm in winter, because fowls will require less food, will be healthier and will lay more eggs. Ventilated in summer and in mild winter weather; because fresh air is absolutely essential to all animated nature and particularly to the fowl. Well lighted, because the fowl delights to be in a cheerful place, and to bask in sunshine admitted through the wiudows of their tenements in cold weather.

Whatever the breed or number of fowls iutended to he kept, provision must be made for their comfort and safety. Fowls attached to farm-houses lead a happy life. They have air and plenty of room, with no lack of food; they wauder about the farmyard, visit the adjacent fields, travel over the common or down the lane, troop about the barn, aud enjoy the greatest freedom. But how are they housed at night? Often in a proper and wellconstructed poultry house, with perches judiciously arranged, and with clean and couvenient boxes for hens to lay in, but sometimes in places utterly unfit for them, they are allowed to flud a place to roost where they ean, prohably in some exposed place in a tree or out-house or open shed, above the wagons, earts, etc.; others shelter in adjacent outhouses, and some in the stable.

This want of order cannot be too much coudemned. The heus having no proper laying places, select such as chance may offer them, not unfrequently in obscure places of con- ciety in England, does not regard this massing nay much greater than that of rye grass, and The greater part of the lucrease is reported eealment, consequently a safe and convenient of large amounts of land under one proprietor its hay is also much superior in nourishing from the mining counties, the people of which fowl-house should have their exclusive dormi- as of any benefit, but says that "Leicestershire properties, and contains most nutritive matter are beginning to turn their attention to agritory. Farm-yard poultry are in general owes its surpassing fertility and high rental to when the seeds are ripe. The blue-grasses have culture. There were in 1866 over 500,000 healthy and vigorous, uimble on their feet and its native excellence of soil, rather than to any aeres planted with wheat, and the yield for light on their wings, and the feathered denizen pains takeu in its improvement. . a bem with envy. But in poultry k .or.ng, as in every other it , sneep is general roundness of shape and pursuit, we must commence without counting inneness of bone. The chest should be broad, EXPERIMENTS IN SHEEP-RAISING.—The Maine the cost, nor fancy that the purchase of fowls snow, and hence it is well suited for winter Farmer says that H. G. Abbott, of North Vas- is the only or chief thing, and that when ouce flat and straight; the himbs should be short in salhoro', has for several years been making ex- started they will need no further care. If any periments in sheep-rearing, in the effort to ob-later kind of farm stock was set adrift, and tain a medium breed hetween the Spanish and expected to do without regular feeding and wool soft to the touch, thick, and coming well this grass. It has greater weight and more natives, so as to combine a good quality of attendance, the result would be a miserable forward to the face, but not covering it. The wool with mutton, each point being about failure and loss; and so with poultry; success Its great yield, its adaptation to lands too moist equal in value. He has succeeded in productineed never be expected without the uccessary hair, and the eyes should have a lively expres-

Onions and Poultry.—Scarcely too much ean be said in praise of ouions for fowls. They seem to be a preventive and remedy for various diseases to which domestic fowls are lia ble. Having frequently tested their excellences, we can speak understandingly. For gapes and inflammation of the throat, eyes and head, onions are almost a specific. We would, therefore, recommend giving fowls, and cspecially young chicks, as many as they will eat, as often as twice or three times a week .-They should be finely chopped. A small addition of corn meal is an improvement. - Gennessee Farmer.

To have bens lay in winter, you must give them warm quarters, animal food, and sand or gravel.

## Miscellany.

#### FARM WORK IN WINTER.

Written for the Farm and Fireside, BY HORACE THAYER, BLACKSTONE, MASS.

Ir is often said that farming might be made profitable, could the farmer advantageously employ bimself in wiuter,' aside from the usual eares and duties of that season. It is true, when the earth is locked in frost and buried reason let your windows work easily; and by with snow, little can be done to advance the all means white-wash the interior of the house, labors of the coming Spring. But when the earth is unemeumbered with snow, even if crusted with frost, numberless johs can be done about the farm and buildings, as readily as at toms of approaching egg-labor are strong upon any time, in mild seasons. Stones can be moved and grounds cleared for the plow and mowing machine; manures hauled from the village or to the fields; material prepared for feucing; bean poles and pca hrush cut and meut to stimulate the instinct of nature, and fitted for use; a year's stock of fuel prepared, coax a fowl of prolificacy by consulting their and many similar jobs that the watchful and intelligent farmer will readily recognize. can be as advantageously done at this season as at any other period-and all of which will have to be done amidst the pressing eares and hurry of the subsequent season, if now deferred. Besides these, many trifling thiugs, though indispensable to the farmer's sueecss or prosperity, should he attended to at this leisure season, which will greatly forward and facilitate the work of the coming Spring; such as the formation of plaus, procuring new tools or repairing old ones, procuring all necessary seeds, and marketing erops if any yet remain. These are all necessary jobs, if bringing in no immediate profit; and, if uow omitted, will occupy much valuable time next Summer, when you will hardly know what to do first. Unimportant as they may seem to some, uo prudent farmer will negleet them till the hurrying season. Any farmer who is up with the times, and does business enough to entitle him to the name of farmer, need not he idle, even in Winter. If the soil eannot be labored or enltivated at this season, the mind surely can; and this is an importaut duty and will result as profitably as any legitimate labor.

> THE Duke of Rutlaud is well known as one of the most extensive landholders of England. His estates in Leieestershire extend over one sixteeuth of that county, and comprise 39,000 aeres, which are let to 1275 farmers in farms of from 50 to 750 aeres each, and, yield an aunual rental of \$500,000 in gold. A prize essay, reeeutly read hefore the Royal Agricultural So-

LEOTING SHEEP.—The most approved form the ribs well arched, the hack and loins broad proportion to the body, the head small, the ears thin, the skin soft and elastic, the face and forehead should he clothed with short sion.



OUR WONDERFUL CLIMATE.—Here we are in the midst of what is conventionally called "winter," with roses blooming in the open air, strawberries ripening as in summer, orange trees in blossom where there are any orange trees at all, bouquets of open air violets selling at a bit on the streets, second crop apples that have just ripened exhibited in market, and grapes that have never suffered from contact with sawdust, still plump, plentiful and cheap at all the fruit stands. Gardening to supply the city with early vegetables has actively commenced around the bay, and young radishes and green peas can now be bought at luxurious prices. Winter! The word should be abolished from our vocabulary as a superfluity.—San Francisco Bulletin, Dec. 29.







# FARM AND FIRESIDE.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 9, 1867.

### MANURES AND FERTILIZERS.

No farmer is unmindful of the value of manure, or of the importance of making as mneh as possible from his stock and by composts. Yet few of our best agriculturists are satisfied as to the most available method of applying their mannres or fertilizers. They may be applied both in liquid and solid form; the first having the advantage of producing early and quick effect, and thus returning a profit in the shortest possible time. But American farmers have not used liquid manures to any great extent; perhaps experimenting in the garden, or oceasionally on the flower bed. Near large cities, where land is dear, and the productions being a high market price, there can be little donbt of liquid fertilizers being by far the best and eheapest. Solid manures, from the barnyard or from the compost-heap, have the advantage of less preparation; they also afford a larger variety of ingredients and are generally more durable than the fertilizers of commerce.

All kinds of manure should be proteeted from the weather, either in sheds or underground stables. No intelligent man will question this. If left out for the rain and sunshine to aet upon, it will lose much of its value. The soluble ingredients will be worked away by water, or the ammonia escape by evaporation. Fermeuted mannres are always wasting away by volatile action, and unless protected from the weather, or composted with other substances, the ammonia will certainly escape. We frequently see this proved in the application of fertilizers to the surface of land, in top-dressing and broad-cast mannring. Guano and super-phosphates, in our judgment, should be plowed under, rather than left ou the sur-

It is a nice point to understand what fertilizers are best adapted to certain soils. Some require mineral ingredients, some lime and plaster, others the lighter mannres, like guano and the different phosphates. Bonc dust has a 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 character to a certain extent; some by having their natural constituents abstracted by plants; others by extra feeding and oceasional fallowing. We shall pursue this subject at a future period; and, in the meantime, would request our farm-hiends to give us their experieuee with various manures-both natural and artificial.

## QUESTIONS.

Messrs. Editors of the Farm and Fireside:

Permit me to ask a few questions through the medium of your journal. I hope they will

Are the Bramah, Chitagong and Cochin China, distinct varieties of fowls, or are they only subvarieties of the Shanghae or Asiatic breed? Which is the most profitable breed to raise for eggs, and which for poultry? Can a large number of fowls be profitably raised on a farm, provided they are separated in different with not more than seventy-five or one hun-load of these splendid fish. dred together?

What is the best method of reclaiming wornout lands?

What are the best and cheapest fertilizers, next to stable manure?

What is the value of good peat as a fertilizer? and what is the best method of preparing it for the soil?

Tobacco raisers in Western Massachusetts will be glad to hear that sales of the article have recently been made. In Hatfield, one farmer sold his crop of 1864 at 24 cents, and the wrappers of the 1866 crop at 18e. In Hadley, a sale is reported at 15@20c. One or two sales at Amherst are reported at 11@12c.

SEND A STAMP.—Specimen numbers of the FARM AND Worthy of FIRESIDE will be forwarded to any address, on the receipt of u

#### FISH BREEDING.

So easy of accomplishment is the domestication and propagation by artificial breeding, of several of the best varieties of American gamefish, and so important is the subject of a better and cheaper supply of fish, at all seasons and at points remote from market, that the wonder is that none of our popular and profitable journals have taken the subject in consideration; teaching the public how and by what means to accomplish so desirable and profitable a pursnit.

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 FARM AND FIRESINE on the culture of fish, being confident in the ability of ourselves and assistants, to inculcate an elementary education on that neglected art. If we fail to interest and benefit our readers, it will not be for lack of enthusiasm or experience.

We have now, in the hands of artists and engravers, some beautiful illustrations of varions pond, brook and river fish; and shall prepare plain and practical articles descriptive of their peculiar habits, feenndity, and value for the table. In addition, we propose to follow up the breeding of fish; exhibiting both its pleasure and profit. There are few farms, or country seats of five or ten aeres, in the county, upon which an eligible site for a fishpond cannot be found; and the cost of preparation and sneeessful propagation will not require an average ont-lay more than that of an ordinary poultry establishment,

PHILADELPHIA SOCIETY FOR PROMOTING AG-RICULTURE.—The February meeting was not so fully attended as that of the previous mouth. As our journal goes to press several days in advance of its date of publication, we are compelled to postpone our report of the proceedings until next week.

There is a prospect that this Society (the oldest Agricultural association in the United States) will become rejuvenated, and its influence greatly enlarged. We cannot see why its monthly meetings should not become more attractive and valuable to the agricultural commuuity. Its members number many of our best farmers and retired agriculturists; and as to praetical ability, we know of no society its superior. We employ a special reporter to give our readers a full account of its proceedings. This will add another feature of interest to the Farm and Fireside.

THE total hog crop of the west for the winter of 1866 is stated at 1,406,239, as compared with 1,391,518 during the winter of 1865. Chicago paeked 382,000 the present seasou; Cincinnati 380,000; St. Louis, 136,000; Louisville, 162,000; Milwankee, 86,000; and Indianapolis, 50,199. Iu 1865, Chicago packed 501,-469; Cincinnati, 354,079; St. Louis, 116,760 Lousville, 91,000; Milwaukee, 92,000; and Indianapolis, 36,000.

TROUT FISHING ON THE ICE.—The Bangor Whig says that splendid trout are caught this season through the iee of the lakes and streams of Maine. Hon. Hannibal Hamlin and his nephew went to Mt. Desert last week, in defiance of cold which would have daunted an enclosures at some distance from each other, Esquimaux, and brought home about a sleigh

> Mills, in Middlesex county, New Jersey, was facts, discoveries and the results of multitu-\$70 per acre, the purchaser being Abraham though seemingly a trifle, is of importance in Voorhoes, Esq., of New Brunswick. Before the grand result. he left the premises he sold the farm to Ralph C. Stults, Esq., for \$75 per acre, thus making nearly \$800 by a transaction which occupied not merely of the body, but of the heart; it is but a few minutes.

## LOCAL AGENTS.

journal, in every town and county in the happy at home; if we are not happy there, we United States. Our terms are liberal and cannot be happy clsewhere. It is the best worthy of attention. Apply, at once, to the proof of the virtues of a family circle to see a

#### UNINTELLIGIBLE SCIENCE.

Ir is unfortunate for the general diffusion of the great truths of science, that learned men have always amused themselves, as it were, by throwing dust into the eyes of the nnlearned; men, and all "in the right place." clothing the history of their investigations in pedantic and technical language. We can comprehend why the medical man should wish to conceal the nature of his remedies from the nervous patient by using a hieroglyphic to which only the profession possess the key; but it is quite indefensible that interesting and elevating subjects, should be rendered unintelligible and repulsive to the mass of readers who have not time to master the slang of each branch of science, by the adoption of an arbitrary vocabulary; itself 13th requiring study. Although in nature every- 15th thing is sublimely simple, the initiated render everything complicated by overlaid explanation, coneealing their ignorance, perhaps, by 19th formidable words.

We would be pleased to see a change in the natter of scientific descriptions. Each writer should endeavor to divest his articles of all verbiage, and come down to the common sense of common people. Of course, there are technicalities which are the very fundaments of iutelligible seience; these cannot be ignored; but there are many others which instead of being anxiliaries to clearness, are mere "helps to obscureness." There are huudreds who have not had the advantages of au education, who have no access to a library, and cannot afford to possess one of their own. Neither will the active duties of their everyday life allow them to take up a plodding, systematic course of study. They possess much general intelligence, acquired in spare moments from miseellaneous reading, and depend for an aecumulation of snch intelligence perhaps solely on their weekly journals. Hence we conceive it to be the duty of the editors and contributors of such journals to be as terse and perspicuous as possible. In example: when speaking of the witch hazel, familiar to almost every one, why not call it by that name instead of Hamamelis Virginica; or say slaty granite, instead of Gneiss? Or, if seientific nomenclature is eonsidered indispensible, why not at least follow the technical term with the common term in parenthesis?

Fortunately, agricultural science is not much befuddled will verbose technicalities. The experiences of common men, conveyed to the world through the vehicle of simple Anglo Saxon, are building it up in importance and stability. Where it verges into chemical, botanical and geological science proper, it beeomes tedious and obseure to unlearned men. If anything can be done by exemplification and elearness of expression to induce them to enter those broad fields of instruction and delight, it should be done; their education to a full realization and understanding, would then be comparatively an easy matter, for we learn that the most easily which delights us most.

This entrenching of science behind a breastwork of technical terms and jaw-breaking nomenclature, is what makes an attack upon it seem a formidable one; often it is mere rubbish-learned lore, thrown up by the spades of pedantary and display. Untutored yet practical men, are deterred thereby from presenting their discoveries and experiences, This is wrong; it is the aid of just such men preferred to vague theories; practical sngges- a year, and rather improve by age. THE Budd Farm, containing one hundred tions in bad grammer, to silly vaporings in the and fifty-seven acres, situated near Davison's elegance of language. Science is made up of sold at auction on the 15th of January, for dinous experiments; hence each of these,

a place for the affections to unfold and develope themselves; for children to love and learn and play in; for husband and wife to toil smilingly together, and make life a blessing.-WE wish to appoint a local agent for this The object of all ambition should be to he happy fireside.

#### PENNSYLVANIA AGRICULTURAL SOCIETY.

In our notice of this State Society, last week, we inadvertently omitted the names of the officers for 1867. They are as follows-good

PRESIDENT.

A. Boyd Hamilton, Dauphin. VICE PRESIDENTS. 1st Dist., Jas. A. M'Crea, Philadelphia.

George Blight, "
Vincent L. Bradford, " A. B. Cummings, 'Adrain Cornell, Bucks. Wm. H. Holstein, Mont'ry Samuel J. Sharpless, Chester. Tohlas Barto, Berks. Jacob E. Kreybill, Lancaster Geo. B. Brown, Schuylkill. Jos. Sigman, Northampton. Dan'l G. Drieshach, Luzerne. Jno. C. Morris, Snsquehanna Amos E. Knapp, Northumb'd George H. Bucher, Cumh'd. Louis W. Hall, Clair. B. Morris Ellis, Lycoming. H. W. Russell, Erie. Michael C. Trout, Mercer. George Rhey, Westmoreland. Jno. Murdoch, Jr. Allegheny. Wm. S. Bissel,

Joshua Wright, Washington. ADDITIONAL MEMBERS OF THE EXECUTIVE COMMITTEE Wiliam Colder, Dauphin; Jacob R. Ehy, Dauphin; Benj. J. Peters, Dauphin; John H. Ziegler, Dauphin; John Way, Jr., Alleghany; ex-President Frederick Watts, ex-President James ven, ex-President David Taggart, ex-President Jacob S. Haldeman, ex-President Thomas P. Knor

CORRESPONDING SEORETARY.—Jas. Young, Dauphin. CHEMIST AND GEOLOGIST.—S. S. Haldeman, Lancaster.

LIBRARIAN.—Henry Gilbert, Dauphin.
The Society adjourned until the third Wednesday of January,

#### WOOL.

The following tabular statement shows the rariation in prices of fleeee and pulled wools in the United States during each month for the past four years:

1 2				
	1863.	1864.	1865.	1866.
Jan Fleece	258@ 75	73@ 83	85@107	45@68
Pulled		65 85	75 110	35 75
FebFleece		70 85	75 108	45 70
Pulled		62 78	70 97	25 72
March Fleece		68 85	60 90	45 80
Pulled	180 95	60 78	50 75	32 65
AprilFleece	70 90	70 87	60 85	44 65
Pulled	185 95	65 78	50 75	25 60
May Fleece	65 90	73 90	50 80	40 62
Pulled		65 83	50 70	25 57
JuneFlecce		75 105	50 - 80	42 75
Pulled		70 93	45 68	27 60
JulyFleece	68 78	85 120	50 86	47 80
Pulled	165 78	70 100	45 68	30 65 48 75
Aug Fleece	68 75	90 125	50 80	
Pulled	160 70	75 115	45 70	30 65 48 75
SeptFleece	60 72	75 110	50 82	30 65
OctFleece		65 105 80 110	45 70 50 82	47 75
	13914 80	65 100 -	45 70	30 65
NovFleece		90 110	50 80	45 70
Pulled		75 100	40 65	30 65
DecFleece		90 115	50 67	42 70
Pulled		75 110	40 65	22 58

The average price of domestic fleece wool in the United States, from 1827 to 1861, was, for fine, 73 1-10 cents; for medium, 42 8-10e, and for coarse, 35 5-10e. Average price for four years, from 1861 to 1866, (during the war), for fleeces, 63a88e; for pulled, 56a61e. Average price for the year 1866, fleeces, 45a72c; pulled,

BEEF-CUTTING UP AND PRESERVING.-In entting up beef for salting, regard should be had to the size of the pieces, and their relation to each other when put down. Iu other words, a family resemblance should be preserved in the different strata, as placed in the barrel. When designed for family use it will be found convenient to cut into pieces suited to a day's consumption. For preserving the meat the N. E. Farmer says: " Pack the pieces in casks, giving a slight sprinkling of salt between each piece; eover with a pickle by boiling together, in four gallons of water, eight pounds of salt, three pounds brown sugar, three ounces salipetre, one ounce pearlash, for one hundred pounds of meat. Keep a flat stone that journalists are the most solicitious to on the meat, that it may be immersed in the secure. Thoroughly proved facts are to be pickle. Put down in this way, beef will keep

HON. LEVI BARTLETT of Warner, N. H., writes to the Country Gentleman that on a farm adjoining his there were raised this year fifty bushels of ears of pop corn, on threefourths of an acre, for which the farmer received \$1.50 per bushel-\$75 for what grew A HAPPY FIRESIDE.—Home is the residence on three-fourths of an acre, besides the fodder.

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

## HOW TO OBTAIN THE FARM AND FIRESIDE.

SEND TWO DOLLARS to the Publisher, by mall ; or, if there be a news-dealer near you, order it of him. The FARM AND FIRESIDE will be sold at all News Offices. Single copy, 5 cents.



AGRICULTURAL SCHOOLS.—Every farm and workshop ought to be a school where our sons and others can be taught to guide the plow and swing the seythe, and hand'e every tool in the most appropriate manner known to those skilled in their nse. In the one, should be tanght the nature of soils, the qualities and uses of manure, and all the minutiae of the cultivator's art; in the other, the laws which govern mechanics should be studied, and the pupil should be instructed in all the mysteries of the mechanic arts. Thus, in both, should be tanght all the various learning which goes to complete the farmer's and the mechanic's education for the practical duties of their calling.—Mirror and Farmer.





## The Field.

### CONCENTRATION IN CROPPING.

Written for the Farm and Fireside. R. ELLIOTT, CLEVELAND, OHIO.

The experience of all mercantile or manufacturing husiness life, exhibits the fact that, concentration of mind and thought on one particular hranch or pursuit, is necessary to insure success. The man who attempts the prosecution of all branches of merchandising, 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 he who, in rural life, attempts to prosecute all the varied operations of the farm, garden and nursery, with only such assistance as can be had from common lahorers, will meet with many a failure, oftentimes leading to a discouraging helief that there is no pecuuiary profit in the cultivation of the soil.

It is a common rule to advise, and to practice, the numberless occupations of the farmer, gardener and orehardist, with the occupaney of the soil; whether embracing a territory of ten or a thousand acres, and whether the occupant has one dollar or a hundred thousand of capital. It is true there are instauces, near large cities, where the growing of some one erop for the daily market is made the leading feature; but, as we have said, the rule throughout the country is the reverse. These instances however, give evidence of the fact that a steady attention to the cultivation of some one or two crops, produces certain and remunerative returns; and celery, pie plant, strawberries, etc., each in their turn exhibit profits of no mean 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 items on the loss side.-As in mercantile or manufacturing life, so in the cultivation of the soil, the eye to direct to profit must he well informed; and as in business or mechanical life it is not possible for one mind to grasp thoroughly and intelligently all subjects, so in rural occupations, where the skill is even 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 assist in the making up of home wants and family comforts, yet the evidence all over this country, as well as ahroad, is, that he who seeks profitable returns in a pecuniary view, must confine himself to the prosecution of such labors as he fully and thoroughly understands.

The owner of a thousand acres, with his hundreds of fine cattle or sheep, finds no profit in the 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 figured up the time devoted to its feed, breaking, &c., added to the expense of hay and meal, for four years support, ere it is of practical value. And yet each man in his pursuit of cattle raising, or strawberry growing, pursuit, therefore, gives evidence of its value as a paying occupation, while it also exhibits location would, of course, add thereto. But it is essential that sufficient of each and every thing he grown to enable the grower to devote time and knowledge sufficient to its culture to value of lands, with cost of lahor in their reperishable fruits, such as apples, pears, &c., fish are fed with chopped meat or other food. edge of this is calculated to throw light on and ashes was in reach in his stall.

Railroad transportation is now everymade equally one when grown miles away therefrom, provided the grower concentrate his knowledge and lahors to its perfection, and that on a scale enabling him to market it without more loss in value of time than the amount of the erop.

February 5, 1867.

#### MEDICINAL QUALITIES OF PUMPKIN.

At a recent discussion in the New York. Farmers' Club, a correspondent writes of the virtues of the pumpkin:

"I will give you a simple, yet very valuable eure, for inflammatory rheumatism. A woman's arm was swelled to an enormous size, and painfully inflamed. A poultice was made of stewed pumpkin, which was renewed every fifteen minutes, and in a short time produced a perfect cure. The fever drawn out hy the poultiees made them extremely offensive as they were taken off. I knew a mau eured of severe 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 pumpkins make a good poultice. Whatever holds water and warmth best is the most suitable.

Dr. Smith-Iu my travels in Syria, I found pumpkin seeds almost universally caten by the people on account of their supposed medicinal qualities. Not because they are diuretic, hut as an antidote against animalculæ which infest the howels. They are sold in the streets as apples and nuts are here. It is a medical fact that persous have been cured of tape-worm by amount when skill and attention are given the use of pumpkiu seeds. The outer skin being removed, the meats are bruised in a mortar into an oily, pasty mass. This is swallowed by the patient after fasting some hours and it takes the place of chyle in the stomach, and the tape-worm lets go its hold of the membrane and becomes gorged with the substance, and in some measure probably torpid. Then a large dose of castor oil is administered and the worms are ejected before they are able to renew their hold.

> Dr. Trimble 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-Governor Anderson of Ohio recently ourchased 10,000 acres of grazing land in Lyons County, Ky., and is now stocking with choice sheep.

## Pisciculture.

### FISH BREEDING.

Messes. 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 stream, and raised an artificial pond of some extent, for the purpose of hreeding and raising trout, This has already been done with good success and profit by experienced parties in other places, and the Messrs. Davis are confident of a successful result to their experiment. They are stocking this pond with trout from foots up a yearly balance of profits. Each Duhlin pond, which are of the hest quality of any in the county. The process adopted is something as follows: Two ponds are necesthe necessity of knowledge and concentration sary, a small one for the young fish, and a around it a wrapper of some dark shade of cause contraction is by their being made with of thought and attention thereto. It is not re- larger one for the older ones, which must be quisite for profit, even in the culture of small kept separate, to prevent their eating up the fruits or of garden root crop products, that the smaller fry. The spawn is obtained about the glass, and, emptying out the water, cleanse towards the frog. and squeezes them together. location should he near a city-although such month of October, by squeezing the female the glass, and replace with fresh, soft rain trout through the hand, when it is placed in the spawning house adjoining the smaller pond, which consists of a large hox with the proper depth of running water over a sandy bottom. insure a product of quality commanding ready Here the spawn remains till January, when it sale when taken to market. Small fruits, such is hatched, and after a proper length of time as strawherries, raspherries, etc., can be dried are turned into the little fish pond, where if or canned, or jellied to a profit, and often the they thrive, in two years they grow to be from two to six inches iu length, when they are adprice when grown and sold as green or fresh poud. Their growth is more rapid the follow-

have the advantage when grown on cheap In three years the proprietors expect to have many puzzling phenomena in vegetable phymany thousand marketable fish. The vicinity where, and the cost yearly being reduced, so of these improvements is also one of the that a paying erop near a large city may be pleasantest in town for a suburban residence, horticulture and agriculture. and will not long fail to be improved. - Keene Republican.

> How to Freshen Salt Pish.-Many persons who are in the habit of freshening mackerel or other salt fish, never dream that there is a right and a wrong way to do it. Any one who has seen the process of evaporation going on at the salt works, knows that salt falls to the bottom. Just so it is in the pan where your mackerel or white fish lies soaking; and as it lies with the skin and side down, the salt will fall to the skin, and remain there, when if placed with the flesh side down, the salt falls to the bottom of the pan, and the fish comes out freshened as it should; in the other case it is nearly as salt as when put in. If you do not helieve this, test the matter for yourselves.

> Mr. Taber of the New York Tribune, makes the following statement as to the cost of keeping a cow during the month of December last He hought what he considered the cheapest food, and gave her what she would cat up elean. The record stands :-

310 lb hay, at \$1.50. 150 lb buckwheat bran, at \$1.10. 121 lb wheat bran, No. 3, at \$2.00. 1½ bbls. turnips, at \$1.00.

The cow is of medium size, comes in in May nence only gives a small account of milk, still the 134 quarts obtained were sold at twelve cents per quart at the house, or for \$16.08, leaving a profit of nearly \$5. Another cow furnished milk for the family. At one time he gave her the huckwheat hran freely, but she did not thrive as well upon it, nor was the average supply of milk kept up. The hay was all cut and the other feed mixed with it, wetting the mess.

## Harticulture.

### HOUSE PLANTS.

CUTTINGS of house plants, such as geraniums, fuchsias, verbenas, etc., such as every one vants, may casily he grown in the house. One of the hest materials for the purpose we have found to be clear fine charcoal dust, about like fine sand in the size of grains. Us a common earthen crock; see that it has good drainage; then fill to within half an inch of the top with the charcoal, putting your cuttings in all around and near the edge, with ahout two huds in the charcoal and one bud out. If you can, get a little piece of hanging moss from the woods, and lay it over the whole, letting the enttings protrude through it, and letting it (the moss) hang down all over the sides of the crock. Set it on the mantelpiece, or on a little bracket shelf in some part of the room where its height will add to wamth, and at the same time, if you can, near the light; water once thoroughly, and afterward just enough to always keep it moist, but not wet. The object of the moss is to make the crock ornamental for the time being, and condition of moisture on the outside.

Hyacinths in winter flowering should have touch the water; and, for the first two weeks, ternal parts are much affected. either place the glass in a dark room, or wrap ! paper. After the roots have started well, take the bearing surface of the heels sloping inoff the paper wrapper, draw the bulh from the glass where it will have plenty of light, air and ture of a room in which hyacinths are growing in glasses, go helow 35 degrees Fahrenheit. -Horticulturist.

It is stated by an English horticultural paper that Prof. Schuitzenstein asserts that pure duction, fully compensates for the increase of mitted to the school of larger fish in the other pump, spring, or river water contains an infruit near large cities; while the larger and less ing year, when they approach maturity. The real staple food for plants; and that the knowl-inor hecome a "cribber" when a box of salt

siology and culture. The art of making water nutritious should be the true aim of

À nice flower garden is the cheapest and most attractive ornament any dwelling, whether in town or country, can possibly have.

## The Morse.

#### THE TEETH OF A HORSE.

At five years of age the horse has forty eeth-twenty-four molar or jaw teeth, twelve incisor or front teeth, and four tusks or canine teeth, between the molars and the incisors, hut usually wanting in the mare.

At hirth, only the two nippers or middle inisors appear.

At one year old, the incisors are all visible on the first or milk set.

Before three years, the permanent nippers have come through.

At four years old, the permanent dividers

next to the nippers are out. At five the mouth is perfect, the second set of teeth having heen completed.

At six the hollows under the nippers, called the mark, has disappeared from the nippers, and diminished in the dividers.

At seven the mark has disappeared from the dividers, and the next teeth, or corners, are levelled, though showing the mark.

At eight the mark has gone from the corners, and the horse is said to be aged.

After this time, indeed, good authorities say after five years, the age of a horse can only be conjectured. But the teeth gradually change their form, the incisors becoming round, oval, and then triangular. Dealers sometimes bishop the teeth of old horses; that is, scoop them out to imitate the mark; but this can he known hy the absence of the white edge of enamel which always surrounds the real mark, by the shape of the teeth, and other marks of age about the animal.—Rural Gentleman.

#### INFLUENCE OF SHOEING ON CONTRACTED FEET.

In old and had cases of contraction, not only he hoof and from but the internal parts of the foot, including even the bones, are diminished in size. Now, it does not seem possible that forcing apart the heels by mechanical means, can ever cause the bones to grow large again, although it may relieve the pain and lameness, by taking away the pressure of the horn upon the internal parts. The same result can be ohtained and recent cases of contraction cured by any skillful shoeing-smith.

For about one-third of the leugth from the end of each heel towards the toe, let the surface upon which the wall of the hoof rests, be levelled so as to slant gently outwards. Let there not be more than five, or at most six nails in each shoe, and of these only two on the inside, the last of them about two-thirds from the end of the inner heel.

When shod in this manner, which I tried with the greatest success ten years ago, the horse's heels have a tendency to slide apart at every step, and iu a few weeks or months, acat the same time serve to keep a more even cording to the case, the hoof opens gradually to its natural size. But this can only be accomplished with certainty while the contracthe bulh placed so that its base only can ition is confined to the hoof, and hefore the iu-

The most common way in which shoes wards, which makes the horse's heels slide

Another cause is the rails being brought out water; replace again the bulb, and set the and clinched too high upon the wall of the hoof: for the higher they are driven up, the warmth. If possible, never let the tempera- nearer they go towards the internal sensitive parts. Pressure upon these parts eauses so much pain that the feet become hot and feverish, and the hoof dry, brittle and shrunken.-Correspondent Wilkes's Spirit of the Times.

SALT AND ASHES FOR HORSES. - A COITESpondent of the Prairie Farmer says he never exhaustible supply of nutriment that is the knew a horse to have the colic, hots or worms,



SMELT FISHING IN MAINE.—Au Eastern exchange says that to those not accustomed to seeing those engaged in smelt fishing, it is quite a novelty. eration the ice is nearly covered with small roofed rooms about seven feet square, which are movable, on sieds. In these small houses the fishermen remain between tides, as they must be on the spot just at "slack water," as that is the only time that nets can be thrown. In the distance it has the appearance of a small town.—
The smelts are caught by large nets, each net requiring ten men. Bald Head cove, between Winterport and Hampden, is the only place on the Penohscot river where the fish are eaught, and for miles around that cove it appears alive with men, smoke, &c.





## Fireside Readings.

#### THE STRANGER ON THE SILL.

BY T. BUCHANAN REID.

Between broad fields of wheat and corn, In the lonely home where I was horn, The peach trees lean against the wall, And the woodbine wanders over all; There is the shaded door-way still, But a stranger's foot has crossed the sill.

There is the barn-and still as of yore There is the part—and sun as of yore
I can smell the hay from the open door,
And see the husy swallows throng,
And hear the pewee's mournful song;
But the stranger comes—oh! painful proof— His sheaves are piled to the heated roof.

There is the orchard-the very trees, Where my childhood knew long hours of ease, And watched the shadowy moments run, Till my life had imbihed more shade than sun; The swing from the hough now sweeps the air, But the stranger's children are swinging there.

There hubbles the shady spring below, With its hulrush brook where the hazels grow: 'T was there I found the calmus root, And watched the minnows poise and shoot, And saw the rohin lave his wing But the stranger's hucket is at the spring.

Oh! ye who daily cross the sill, Step lightly, for I like it still; And when you crowd the old harn eaves, Then think what countless harvest sheaves Have passed within the scented door, To gladden eyes that are no more.

Deal kindly with those orchard trees; And when your children crowd your knees, Their sweetest fruit shall they impart, As if old memories stirred their heart; To youthful sports still leave the swing, And in sweet reverence hold the spring.

The harn, the trees, the brook, the birds, The meadows with their lowing berds, The woodhine on the cottage wall— My heart still lingers by them all; Ye strangers on my native sill, Step lightly, for I love it still!

#### OUR MOTHER.

BY REV. JOHN TODD.

At the gateway of one of our beautiful rural cemeteries, a large finneral was just entering, as our attention was called to a very remarkable sight. The bier was resting on the shoulders of four tall, noble looking men and fewer. God help thee to cheer her! iu the prime of life. One of these bearers was a judge of the supreme court of the nation. A second was one of the most emineut and accomplished lawyers whom this or any other country can hoast. A third was a very distinguished divine, whose pen is a great power. And the fourth was the president of the Senate of his State. And these remarkable men were brothers.

They stood strong in life; hut were bowed and sileut and solemn, as if the bier was too heavy for their strength. Very slowly and carefully they trod, as if the sleeper should not feel the motion. And who was on the hier, so carefully and tenderly borne? It was their own mother! Never did I see grief more reverent, or respect more profound. It seems to me that a mother's cold heart must also throb in the coffin. A nobler sight, or more beautiful tribute of love I never saw. They were all, doubtless, going back in memory to their early childhood, and to the loving care of this best of all earthly frieuds.

They well knew that they, the sons of a poor village pastor, could uever have been trained and educated and fitted to occupy their stations without a very extraordinary mother. They well knew that they owed more to her than to all other human agencies. No shoulders but theirs must bear the precious dust to the gravelast resting place! That body had heen in- through the little pitches, far into the valley, habited by one of the sweetest, most cheerful we came with a merry shout, each the solitary and brilliant miuds that ever inhabited an earthly manager of his little craft. How like a flock tabernacle. It had long, too, been the temple of swallows we were, dashing down the de-

What that lovely woman had donc : make by side w are ornaments to their sex; what she had done party had reached the valley below. to make those distinguished men what they are—who can tell? What has not such a the snow from the poud and stream, and the mother accomplished who has given such an lice was so glare that we put on the "rockers' keep my eyes from filling with tears as I think like leaves over the highway of crystal. of that mother.

spheres of usefulness, who are really dwarfs in comparison with such a character! When snows nuder the rainbow of April. that mother went down to the very brink of the grave, that she might bring up life as her children were born—as she toiled nuseen and nnpraised through all their training, what an influence was she preparing to leave upon the world after she should be numbered with the

We may develop ourselves, and think we have done well if we can achieve anything in life, when most likely, if anything valuable iu us is developed, we owe it chiefly to our patient, meek, annoticed mother. She forms the character which we develop. And it is much owing to the ignorance of the laws of influence that prevents the mother from receiving that love and respect she deserves.

Heaven will be just where we are not; aud I ean find no words in which to express my appreciation of such a friend. Some few who have early lost their mother through death, or the loss of reason, come out useful and respectable men; but they would probably have been much more so, had they enjoyed her love and care. They may well mouru the loss of her days. The names of the mothers of Moses, of Samuel, Timothy, and other eminent meu, are recorded; and so are the mothers of the wicked kiugs generally recorded, as if to tie them to the disgrace of their sons.

O mothers! amid all your anxieties and labors, be assured that the time is coming when your name and image will fill the memories of your children as no other can. You are gathering up love, respect and veneration, which hem's star! will gather around your coffin, if not hefore. You will grow in the hearts of your children as long as they live.

O son of the good mother! remember that she hath spared nothing that the human heart could yield for thy good. Let thy love and gratitude and reverence flow back upon her; as tender as children ever had the misfortune and if her hair is becoming silvered with age, remember that thy opportunities to minister to her eomforts are every day becoming fewer

### WINTER SCENES AND SPORTS.

The old red sleigh, with its long box that ever was full, far down in the straw, wrapped in the robes, or ou one or another of the four seats it contained, there was always room for one more. What a grouping of bright young faces there used to be always in it. Faces in hoods, iu caps, and blankets; hearts that have ever I am; to her whatever I shall be. In her broken; hearts that have mouldesed. And away we went over the hill, and through the valley, under the moonlight and nuder the her occasional resentment, for which I hut too cloud; when the stars were looking down; when the sun kiudled the world into a great call those moments!) she had no sullenness or white jewel; but those days have gone for-lacrimony. Her feelings were warm, nay, imever away, and the sweet necklace of bells, hig in the middle of the string, and growing stant. Such was she whom I have lost, when small hy degrees, has lost its power over the

In that old sleigh brides have gone away before now-those who were married to mauhood-those that were "married to death." Great ships have gone over the water with less of hope and happiness than that rude craft has its original ardor. I lost her, alas! the choice shapes now glance along the arrowy way, but a moment when I had the prospect of her shargive ns, for its sweet memories of yesterday, the old red sleigh.

Then the days when we were "coasters;" yard; no hand but theirs must deposit it in its and down the big hill, by the maple wood, Queen Victoria as extremely affahle, and even clivity, and in among a group of sleds, side riral, shooting like an arrow, her husband's ministry useful and protection; steering in & ntly ahead like a jockey, and what she had done in training daughters that on our way up with a sled in tow, ere our

Aud then it was, when the wind had swept influence to the world? I never see one of and darted hither and thither, and cut sixes by the apple." these sons but my thoughts go back to the and eights and curves without number, and home of their childhood; and I can hardly drew the girls we loved, and whirled them

And the schools where we spelt cach other over the sweetness.

How many mcn start upon the stage of life, down, and the schools where we sang Windand feel they are great, and are filling great ham and Mear, and "went up;" gone, all gone, the teacher and taught, like the melting

> And when, sometimes after the great snow, the wind came ont of the north for a frolic what wreathings and carvings of the alabaster mounted the fence posts; what mouldings

Have you quite forgotten the foot prints we paths down to the brook or by the old hollow catch the maker thereof? Have you quite forgotten how sorry you were for the snowbird, that fluttered among the flakes, and seemed tossing and lost in the storm?

And there in the midst of that winter, Christmas was set, that made the Thanksgiving last all through the night of the year, and what wonder the stars and the fires hurned more brightly therefor; Christmas with its gifts and hreeding, and during the hreeding season they its cheer, its carol and charm, its evergreen branch, and its bright morning dreams; Christmas, when there were prints upon the chimney tops, if we were only there to see them, where Santa Clans set his foot as the clock struck twelve; Christmas, when stockings were hung hy pillow all over the laud; stockings silken and white, stockings homely and blue, and even the little red sock with a hole in the toe. Blessed forever be Bethle-

A BEAUTIFUL TRIBUTE TO A WIFE. - I was guided in my choice only by the bliud affections of my youth. I found an intelligent companiou and a tender friend, a prudeut monitress, the most faithful of wives, and a mother to lose. I met a woman who, hy tender management of my weaknesses, gradually corrected the most pertinacious of them. She became prudeut from affectiou; and though of the most generous nature, she was taught frugality and eeonomy by her love for me. most critical period of my life, she relieved me, she gently reclaimed me from dissipation; propped my weak and irresolute nature; she urged my indolence to all the exertions that have heen useful and ereditable to me, and she was always at hand to admonish my heedlessness or improvidence. To her I owe whatsolicitude for my interest she never for a moment forgot my feelings or character. Even in often gave her cause (would to God I could repetuous; but she was placable, tender and conher excellent natural seuse was rapidly improving; eight years struggle and distress had bound ns fast together and moulded our tempers to each other; when a knowledge of her worth had refined my youthful love into friendship, and hefore age had deprived it of much of borne over the billows of wiuter. Swan-like of my yonth, the partner of my misfortunes, at ing my better days. [Sir James McIutosh.

> THE APPLE.—Gibson, the sculptor, described deigning to laugh heartily at some of his stories. One day he said to her: "Madam, I was born a thief."

"A thief, Mr. Gibson?"

apple from the stall of an old woman with a wooden leg. My mother found me out, took me back to the old womau, and begged her to beat me with her crutch, which she did lustily. I never stolc more."

"Ah!" replied her majesty, thoughtfully, "a great deal of sorrow was brought into the world

CANDOR, in some people, may be compared

#### USEFULNESS OF BIRDS.

In many parts of the country, birds seem to be decreasing from year to year. Many farmers believe that birds are of no service, but rather an injury to crops. The rising generation are delighted to find some mark at which to exercise their shooting talent, and so the there were. What Corinthian adorning sur- birds are slaughtered out of merc sport. It is a question whether the country is uot greatly were fashioned beside the way; what flowers the loser by their wontonness. The number of of rare fluish and pedants of pearls on the insects hurtful to vegetation which birds destroy during the year, is immense. They do inestimable service in the orchards and gardens used to find in the damp snow, as delicate, in riddings us of bngs and vermin, which, if some of them, as a love letter; the mysterious left to breed and accumulate, would often destroy whole crops. The amount of damage tree, that we used to wander over aud set which birds do is very small. They may, it is "figure fours" by, if perchance we might true, pick a kernel here or there from the grain crops, but this ought not to be begrudged to such indefatigable workers, while cleaning the fields of iunumerable cnemies of vegetation.

> While in England, going npon the farms, we could not but note the difference between the greater number of hirds and kiuds of game there than are found upon farms in New York. The hedges afford nice and cozy places for are not cut or trimmed, in order to protect the young birds. The game laws of England are strict, and of course much of this protection grows out of these laws which are made to afford game for the nobility—during the shooting season. But hard as it may appear to exclude those who till the soil from their share in these sports, it is a question whether the latter do not reap an advantage in having their crops hetter cleared of insects by the birds. Many farmers there assured as that the birds themselves were a henefit rather than an iujury, but they complained that sometimes the huntsmeu, during the hunting, commit depredations.

> Recently State laws have been enacted protecting birds during the breeding season, but they are scarcely observed, and the opinion of farmers generally we think, is against birds as in any way useful. It is a serious mistake and one from which we shall be likely to suffer if greater care be not taken in their protection.-Utica Herald.

A HISTORY OF LABOR. - The Paris correspoudent of the Star says: -One of the curiosities of the Universal Exhibition will be a gallery devoted to the history of labor, in ten sections, and arranged in chronological order. The first section will contain specimens of industrial art previous to the use of metals; the 2d, industrial art during the independence of the Gauls; 3d, of the Gauls when under Roman domination; 4th, of the Frauks, np to the coronation of Charlemagne; 5th, of the industrial productions of the Carlovingians, up to the eleventh century; 6th, of that of the Middle Ages, which period terminates at the death of Louis XI. and of our Edward IV.; 7th, La Renaissance, from Charles VIII., 1483, to the death of Henry IV., 1610; 8th, the reigns of Louis XIII., and XIV., up to the death of the latter, 1715; 9th, the reign of Lonis XV.; and 10th, that of Louis XVI. The part of this exhibition which will illustrate the first period will not be the least interesting. We shall be able to study primitive art as displayed in the fashioning of ntensils in bonc and stoue, as well as the remains of animals who have disappeared from the soil of France. As to the amount of hatchets of silex which poured in from all quarters of the empire as contributions to this section, their name verily is legion. The commissioners were compelled to cry "Halt!" or the whole gallery would have contained naught but the said hatchets.

FOUR MONTHS WITHOUT FOOD OR DRINK .-"Yes, madam; for when a child I stole an Joseph Baker, Esq., of Agusta, Me,, informs the Aroostook Pioneer that about the 10th of September last he found a juvenile skunk in an empty barrel in his woodshed, and wishing to avoid scenting the premises with its odor, he quietly covered the barrel and awaited the result. No food or drink was furnished the animal, although an occasional examination was made to see if it was alive. The little creature snrvived four long and dreary months in his eircular prisou, where, on the 10th ult., from to lemon drops, in which the acid predominates cold or hunger (it is not known which) he gave np the ghost,



The Maine Agricultural College.—The Maine correspondent of the Boston Journal says that at the recent meeting of the trustees of this institution, Phineas Barnes, of Portland, was elected president of the college. His salary was fixed at three thousand dollars per annum. The board have petitioned the legislature asking that the number of trustees, which is now sixteen—or one from each county—be reduced to not less than five or over seven, which petition will undoubtedly be granted. The report of the executive committee in relation to the operations of the farm the past season was accepted. Mr. Olmstead, of N. Y., doubtedly be granted. The report of the executive committee in relation to the operations of the farm the past season was accepted. Mr. Olmstead, of N. the emment architect, has visited the farm at Orono and made a topographical survey of the premises, with a view of making a plan for the buildings to be ereeted.





### The Farm and Fireside.

PUBLISHED EVERY SATURDAY.

\$2.00 PER ANNUM, STRICTLY AND ALWAYS IN ADVANCE.

ADVERTISEMENTS .- A limited number of agricultural advertisements will be published. Price, FIFTEEN OENTS a line ench insertion. Special advertisements, at the bottom of the pages, TWENTY-FIVE OENTS per line each insertion. No cuts are allowed in advertisements, and no unusual display.

The Publisher holds the right to reject any advertisement not suitable for these pages.

All letters, remittances, &c., should be addressed to

S. S. FOSS, Publisher, Woonsocket, R. I.

## R. I. Society.

# ANNUAL MEETING OF THE RHODE ISLAND HORTICULTURAL SOCIETY.

The annual meeting of the Horticultural Society was held Wednesday evening, the President, Royal C. Taft, in the chair.

The records of the last meeting and the last annual meeting were read and approved.

Rev. Daniel Leach offered the following resolutions, and moved their passage:

WHEREAS, Samuel S. Foss, of Woonsocket has recently undertaken the publication of a weekly journal devoted to Agriculture, Horticulture and other kindred pursuits; therefore

Resolved, That we hail, with pleasure, the appearance of the Farm and Fireside as a happy omen of the increasing interest manifested in

Agricultural and Horticultural pursuits.

Resolved, That the eminent ability, tact and good taste, that have ever been evinced in conducting the Woonsocket Patriot, are a sure guaranty of the complete success of the present enterprise, and that we commend the Farm and Fireside to the liberal patronage and support, not only of the members of this Society, but of all others seeking information on the subjects of

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 promis-

ed aid. Resolved, That a report of the transactions of this Society, of its monthly meetings and such other valuable contributions as may be of general 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 admitted to membership: James H. Palmer, Richard Sequira, Philip B. Stiness and Sidney ing.

The annual report of the Treasurer was presented, read and accepted. It shows the presented, read and accepted. At shows the strawberries, which, at the moderate rate of George A. Munyan, aged 23 years. Treasury of \$410.79.

The Society then proceeded to the election. Mr. C. F. Philips nominated Royal C. Taft for but positively declined to serve as President another year.

Mr. J. F. Jolls then nominated James Y. Smith for President, and Mr. J. E. Lester nominated Joseph H. Bourn.

Mr. Bourn declined to be considered a candidate.

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. year 1862. Oue farmer, whose strawberries Bourn, 15, and James Y. Smith was declared are sent to New York, devotes forty acres to elected President for the ensuing year.

On motion of Mr. J. F. Jolls, seconded by Colonel Wales, the election was made unani- dred and ten bushels of strawberries have been

Mr. Lester nominated Wm. S. Patten for per quart, realizing \$600. 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. Godding 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 eral average yield per acre was 55 bushels. various standing committees for the ensuing year and report at the next monthly meeting. Kennon, Wm. S. Patten. On motion of Rev. aere.

Daniel Leach, ex President Taft was added to the committee.

Mr. Kennon moved that the Society subscribe for the Farm and Fireside.

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 habitation" 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 definite action was taken upon it.

The President called the attention of the Society 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 Commercial Bank Stock.

Mr. W. W. Brayton moved that the notices of the meetings of the Society be published in all of the daily papers in the city, and that the subject for discussion at each meeting be inserted 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 received 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 Northbridge, 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 through the Winter."

Will Mr. Mason tell our readers just how many pounds the eow 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 Western sections of New Jersey. A writer in the Toms River Courier, compiles the follow-

In the immediate vicinity of Moorstown, Burlingtou county, New Jersey, there were Burlingtou county, New Jersey, there were age. In Worcester, 1st inst., Miss EMELINE KEAOH, of Black-grown in 1862 more than 6,000 bushels of stone, aged 58 years. \$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, re-election, and he was unanimously re-elected, and one 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 seeking a market probably quite Randall, aged 77 years. equals that above named in amount and pro- In Wilford, Jan. 29th., W. HARRY BATCHELDER, nged 27 ductive returns; and we doubt not that from this small district of a few square miles 12,-000 bushels were produced, and realized to the skillful growers upwards of \$40,000 in the this erop; and another received for one day's picking, seut to that city, \$300. Two hunraised on one aerc, which sold at ninc eents

By the reports made to the West Jersey Fruit-Growers' Association, in 1864, from the townships of Burlington, Chester, aud Cinnaminson, all in Burliugton county, there were under cultivation and producing fruit, during the preceding season iu said townships, 272 acres of strawberries, 40 acres of raspberries, and 99 aeres of strawberries; 200 were comprised in Burlington, 47 in Chester, and 25 in Cinnaminsou. The aggregate product was 12,596 bushels, or 403,072 quarts, and the amount received therefor \$45,345. The gen-

The above is much below the possibilities of strawberry production. One unusually large The President appointed the following named erop of Hovey's Seedling and Lady Fingers gentlemen on that committee: Dr. J. B. Chapin, was reported, which returned from 146 acres C. B. Manchester, Dr. W. F. Channing, C. V. 800 quarts, or at the rate of 166 bushels per

Four townships reported in 1865 an area under cultivation in strawberries amounting to 488 acres. The total product of these 488 aeres in bearing was 27,924 bushels of fruit, yielding the sum of \$164,633.

In Burlington county, on ten aercs of thin land, from which the sand formerly drifted like clouds before the wind, six hundred and fifty bushels of Lawton blackberries were gathered in 1862. The same plantation yielded seven hundred iu 1863, and iu 1864 eight hundred bushels. A resume of the report made to the West Jersey Fruit Growers' Association, which does not include the entire area devoted to small fruits in the countries of Burlingtou and Camden, affords the following gratifying exhibit:

	Acres	Yielding in bushels.	Which sold for-
In strawberries,	488	29,924	<b>\$164,633.60</b>
In raspberries,	40	1,600	15,360.00
Iu blackberries,	$189\frac{1}{2}$	9,189	44,107.20
Affording au agg	regate	yield, on	717½ aeres,
of 38,713 bushels,	bringi	ng \$224,10	00.80.

BIG CHANTICLEER.—Wm. F. Wright, Esq., of Lime Rock, a few days since killed a Chitagong rooster which weighed, when dressed, eleven and a half pounds. The bird was eighteen months old. At the same time Mr. Wright killed eighteen ehiekens which weighed one hundred and fifty pounds, dressed weight.

## Marriages.

In this village, Jan. 22d, by Rev. D. M. Crane, Mr. J. AU-USTUS MILLER, of Woonsocket, to Miss MARY A. TWEEDY,

of Fitchburg, Mass.

In Milford, Mass., 3d Inst., by Rev. W. G. Leonard, Mr. Asa Pickkeing to Estiner Unexpos., both of Bellingham; Jun. Seth, Mr. Thomas N. Fueld, of Milford, to Miss Ellen J. Mitchell, of Bridgewater; Jan. 31st, Mr. Henry A. Claftin, of Brooklyn, N. Y., to Miss Ada M., daughter of Mr. Charles F. Chapin, of Milford.

In Hopkinton, Jan. 29th, Mr. James A. Craig, of Provi ence, R. I., to Miss Sarait M. Basfoed, of Hopkinton. In Pawtucket, Jan. 16th, Mr. Horace H. Pierce, of Woon-ocket, to Miss Eliza M. Humes, of South Attlchorough.

In Natick Village, 29th ult., Mr. HENRY ELMER BAKER, of Killingly, Ct., to Miss Lillie Louisa Clemance, of Pontiae Village. In Dudley, Jan. 25, Mr. PETER STONE to Miss MARY E. PAUL, both of Dudley.

## Deaths.

In this village, Jan. 25th, Mrs. RUANA HALE, in the 71st ear of her age.

In this village, 1st inst., of consumption, WILLIAM A., son of ISAAO ELLSBREE, aged 31 years and 6 months.

In this town, Jan. 31st, GEORGE HENRY, son of HENRY O. and MARIA E. ARNOLD, aged one month and seventeen days.

In Scituate, 31st ult., BARDARA PATT, in the 72d year of her

In Millville, Jnn. 31st, EDDIE S., son of GEORGE and AMELIA LEWIS, aged 12 years and 7 months. In Ushridge, Jan. 27th, Miss OLIVE TAFT, aged 60 years, 10 months and 27 days.

In Pawtucket, 30th ultimo, William Boyd, in the 83d year of hif age.

In Providence, 3d instant, WILLIAM BURROUGH, in the 68th year of his age. In Quidneck, on the 2d instant, LIONELL BENNETT, in the 53d year of his age.

In South Providence, 2d Instant, ELIZA, wife of John Keith, aged 60 years, 5 months and 5 days.

## The Markets.

### WOONSOCKET RETAIL MARKET.

FARM PRODUCTS, FUEL, &c.		
Hay # ton\$38 Straw # ton\$20 Coal # ton\$10 50a12 50 Oats # hush85a90c	Beans 2 quart	
GROCERIES, &c.		
Flour.   \$11a17 00	Raisina   92a%   Molasses ## gal.   75a%   75a%	
Mackerel, uew10a12c	Sugar & h14a18c	
· MEAT	· ·	
Beef Steak     .18a25e       Beef, corned     .10a15e       Tongues, clear     .20c       Mutton     9a14e       Yeal     .10a20c       Pork, fresh     .15a18c	Poultry.         20a2se           Shoulders.         15c           Sausnges.         20c           Tripe.         11c	

### BRIGHTON MARKET.-FEB. 6.

Lambs, 7242; Swine,

PRICES. Beef Cattle-Extra, \$13.25 a \$13.50; first quality, \$12.50 a \$13.00; second quality, \$11.00 a \$12.00; third quality. \$9.50 a \$10.50 \$ 100 hs (the total weight of hides, tallow and dressed heef.)

Country Hides—9@9%c 号 lb; Country Tallow, 7@7%c 号 lb Brighton Hides, 10alle 号 lb. Brighton Tallow 8@8%c 号 lb. Lamh Skins, \$1.25@1.75 per Skin; Sheep Skins, \$1.25@1.75

Calf Skins, 17@20e 7 lb.

Prices remain unchanged from our last quotations. There has been a fair demand. The supply from Mnine is larger than it was last week, and there is more Working Oxen among them.

Stores .- Nearly all the Small Cattle that are narket, that are in n fair condition, are sold for heef. out n few stores, except Working Oxen and Milch Cows, in

Working Oxen-Snles at \$150, 165, 175, 180, 135, 190, 200, 205. 215. 220. 225. 235. 245. 265. There is a good supply of Working Oxen in mnrket, but not a very active demand.

Milch Cows—Sales extra \$50@100; ordinary \$60@75; Store

ows \$35@50. Prices of Milch Cows depend altogether upon

the fancy of the purchasers.

Sheep and Lambs—Trade is dull and prices are from 1/2 to 1c 19 lb lower. We quote sales at \$1.50, \$3, \$4, \$5, \$5.50, 19 head, and 4, 5, 6%, 7, 9c 78 th. Swine—None in market.

#### ALBANY CATTLE MARKET.

Only about 1800 cattle have been received this week, but here were 800 or 900 held over from last week, because of the inability of the railroads to carry them, and these go to swell the supply. The demand has been fair, and prices have advanced %c 7 lh on all grades; but the cattle are scarcely as good as those in last week. Prices range from 5a9, but prime extra, of which there have been none on sale, would bring 94

Sheep are in fair request at 5%a7%c.; receipts 2460 head. llogs-Receipts 1000 head. Prices have advanced to 7%a

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

THERE was much depression in the wholesale market during the week, owing to the tight money market. There has been much desire to renlize, and in some instances a decline of one dollar a harrel has been submitted to on flour. The depression has been confined chiefly to persons who were short on their margins. The unfavorable news from Europe has added to the depression; and the large amount of ice in the harbor has prevented vessels from loading. We quote extra State at \$10.20@ \$11.75; shipping Ohlo, \$11a11.90; St. Louis extras, \$12.70a\$16.

WHEAT has been much pressed on the market. The decline in flour has increased the anxiety of holders of wheat to realize, and there has been a fall of twelve to fifteen cents a husbel. At the concession there seems to he more steadiness and less inclinntion to sell. The unfavorable news from Europe, together with the ndvance in freights, has ndded to the depression.

There will be no demand for export at present. The stock of wheat has been reduced to 250,000 hushels, and is moderate of choice qualities. We quote No. 3 Spring at \$2a\$2.05; No. 2 Spring, \$2.06a\$2.20; No. 1 Spring, \$2.25a\$2.28.

BARLEY has been in fair demand, but at rather lower prices. At the close there is more steadiness. The stock is reduced to about 2,100,000 hushels. We quote Western at 75a90 cents; Canada, 80a95 cents in hond, and \$1.10a\$1.18, free.

CORN has been unsettled and declined four or five cents a hushel. At the close the market is firmer. The stock is reduced to ahout 4,000,000 hushels. We quote Jersey Yellow and White at \$1.07a \$1.12, the later rate delivered; Western mixed in store, \$1.10%, and delivered, \$1.12.

PORK has been fairly active, but ut variable prices. There has been more than the usual local trade, the low prices current having stimulated consumption. We quote New Mess at \$20.50 n\$20.68; Western Prime Mess, \$20; Extra Prime, \$16.50a £16.

BEEF has sold more freely, but at steady prices.

BEEF HAMS have advanced materially ans were firm at the Improvement.

DRESSED Hogs have been less plenty and ndvanced rapidly. LARD has been in fair request. Prices have fluctuated

### NEW YORK WOOL MARKET.

There has been a moderate husiness done in domestic fleeces. In Texas there is a fair business at full prices. The passage of the Tariff hill by the Senate has caused greater firmnees on the part of holders who, in most cases, demand higher prices for foreign. The sales are 200,000 lbs Texas at 24@25 cents; 120,-000 his domestic fieeces, 516,55c. Including small lots tubbed, at the outside price; 85 hags pulled 47½ a 60c; and 70,000 lbs Mex-Ican, about 20c, cash.

## Advertising Department.

### Rhode Island.

MILL RIVER IRON WORKS

Manufacturer of FLUE and TUBULAR STEAM BOILERS, OIL and WATER TANKS, WATER PIPE and PLATE . IRON WORK of every description.

Bollers repaired in a thorough mnnner at short notice.

SHOP AT NORTH END, NEAR HARRIS'S NEW MILL. Refers hy permission to RIOE, BARTON & Co., Mnchinists and Boller Mnkers, Worcester, Mass.

ter, Mass.

BELLOWS & WHITCOMN, Engineers, Woreester, Mass.
C. W. KIMIALL, ESQ., late Master Mechanic U.S. Armory, Springfield, Mass.

HON. E. HARRIS, Woonsocket.

A GRIEULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer In Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares a Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railrond Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woodsocket, P. I.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. L.

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 $E^{\rm XTRA~IIEAVY~PLOWS}, {\rm for~rond~work~and~for~hreaking}\\ {\rm W.~F.~BARRETT~\&~CO.},\\ {\rm 32~Cnnal~Street,~Providence,~R.~I.}$ 

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARKETT & CO., 32 Canal Street, Providence, R. I.

W. E. BARRETT & CO., Manufacturers of Mead's Patent Conjeal Plows, Shares' Patent Horse Hose, Chase's Two Horse Potno Diggers, Lufkin's new Side Hill Plows, Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.



VENTILATION OF STABLES.—This is a very important item in connection with all stables, and especially with warm and close basement-rooms. In the first place, a stable should be comfortably warm, and not open to any strong currents of air. Nothing can be more uncomfortable, and perhaps unhealthy, to stock tied in a stall without any chance for exercise or change of position, than to be exposed to strong currents of cold air coming through crevices or large openings. But it is equally unhealthy to confine the stock in close and warm quarters—especially cattle—as the horses. A good way to convey pure air into stables is to have tubes of boards a foot square connecting with the outside, and passing along the sides of the stable to the rear, so that the air may be conveyed to the front of the stock.





## The Faim.

#### ARTICHOKES.

Written for the Farm and Fireside, BY R. C. KENDALL, PHILADELPHIA.

THERE is a variety of this plant (Cynara Scalymus) greatly in favor in France, and having here and there an American admirer among Frenchy tastes good—even a frozen frog. The immature flower heads, or the interior fleshy plant; and being boiled or stewed, are eaten with butter, salt and other condiments-about as palatable as a boiled cat-bird's nest, and probably as nutritions. There is no profit in incompetent management, as has been done in the cultivation of this plant in the United States, the case of the Pennsylvania Agricultural Coland it is grown only for such as, aping the par le vous, would declare a stewed "tonchwood" a lnxury. The dispensation being left to us, we would banish the Cynara Scalymus back to Barbary, whence it originated. It may be a snitable food for barbarians, but out Schools, or "Model Farms," as they are of place in civilized society.

Ano ther and entirely different species of the plant (Helianthus tuberosus), popularly the Jernsalem Artichoke, is a vegetable of another quality, and worthy of fifty times more consideration than it has hitherto received from ns. The tubers resemble medium sized white potatoes, being long, unnniform, full of nubs, many-eyed, a little flattened, thin-skinned, the flesh being crisp, tender, and of a delicate ivory whiteuess. Boiled or roasted, the tuber is both palatable and untritious, containing more starch thau the potato, more farina than an equal bnlk of wheat, and a considerable per centum of sugar. But it is as a pickle that the having made himself familiar with the Euro Jerusalem Artichoke exhibits its best qualities. pean systems, declared them unsuited to our Partially boiled, the larger tubers sliced, the smaller ones left intact, and immersed for a week in good sound pickling vinegar, the artichoke makes the most delicious, and perhaps most delicate of all pickles. Mixed with small green cucumbers, bright, yellow tomatocs, purple cabbage, and searlet pepper-pods, in a elear glass jar, there is a pickle-pietnre equal to any ornamental vase ever done up in painted him repeatedly admit. Without attempting

The artichoke is propagated by planting the tubers, either whole or cut, each piece having one or more eyes, precisely as potatoes are prepared and planted, requiring little care or cultivation beyond keeping free from weeds. By clipping off the heads of the plants just as they are coming into bloom, the tubers are largely multiplied, and much increased in size. The plant is so hardy in its habits that fall frosts have very little effect upon it, and it goes on growing in spite of Arctic Jack, until it attains maturity. Then, before the ground freezes, a pull at the plant will generally bring ont every tuber firmly attached to it; and being set away in a cellar and a little earth thrown over them, they may be had fresh, crisp and good all winter.

As all kinds of stock eat both the foliage and boiled tuber, and hogs eagerly devour the latter, either raw or cooked, a field planted with Jerusalem Artichokes for a late Fall crop, would certainly be an economical feature in local agriculture. Almost any corner unsnited for the production of ordinary grain or root crops will produce artichokes; and as the seed may be pnt in before the bnsy planting season comes on, the crop harvested after all others are in, with little care required between times, the crop would interfere but little with the usual routine of farm work.

February, 1867.

Wно should have a good garden if not the farmer? He has plenty of land, team, and as much manure as he can spare. There is no necessity, than the farming class. Removed and city residents, the farmer's household must do without fresh vegetables and fruits unless they are home-produced. Without a garden, potatoes.

#### FARM SCHOOLS.

To the Editors of the Farm and Fireside:

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 appear that some great obstaelcs lie in the way. What are these obstacles, are they apparent or real? We eannot satisfactorily reply to this those to whom, for fashion's sake, anything query by reference to the experiments carried out in this or other States, to a legitimate result; as no such have been satisfactorily tried portion of them, is the edible portion of the but we may throw some light on the question by recalling a few of the incidental experiences of the past twenty years, here and elsewhere

Little good cau result by charging failnres to lege, or that at Ovid, New York, or that at Havana, in the same State. We should search deeper and endeavor to discover the fundamental error.

If we commence with the system of Farm styled, iu Great Britain, and examine the routine adopted and earried out with apparent success, in the foreign institutions we shall see that the identical obstacles which exist here affect the system there; though not to such an extent as to overthrow it. Here, however, greater obstacles ocenr, not known there while many of those pressing severely on the foreign establishments, cannot affect us herc.

Having enjoyed a brief system of training at the Glasnevin (Dublin) 'establishmeut, now known as the "Albert Model Farm," I can speak with at least a little knowledge of the subject. The late lamented Dr. Evan Pugh wants, and pronounced them iu fact valueles as a method of imparting a thorough scientific and practical agricultural education. When placed in charge of the College at Centro County, he was not without his misgivings as to its future, and indeed was at times almost if not quite, despondent of its ever answering the intended purpose. This we have heard now to recall the specific reasons adduced by him, as we had not charged our memory with them, 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 characterizes our young men, in comparison to their desire 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 innate distaste for farming.

Now, while the first objection does not apply to foreign countries, the second does apply to those Model Schools where farming is taught practically and theoretically. This is borne out by the results of the eventual choice of various other occupations by students trained at the "Albert Farm," and remarked by Dr. Pugh as evidences of the fact, Now when to these two important reasons for the want of attraction which the study and practice of Agriculture has for the American educated youth, are added 'various other discouragements and drawhacks to the successful establishment of Agricultural Colleges. There need be little angry feeling exhibited towards the unsuccessful managers of the various institutions already projected among us; and the attention of the carnest promoters of the grand object should be turned to the removal of those fundamental causes which have, and do, operate against Agriculture as an honorahle and remunerative profession.

How does our local Model Farm succeed in connection with the Polytechnic College?-Has the indefatigable Dr. Kennedy been able class of people to whose families a garden to overeome the obstacles which have so borne is a greater convenience or more pressing down his friends in other quarters? He should, at least, be conversant with the "why aud far from that access to a daily market which because" of the insufficiency of American makes np for the want of a garden to town Farm Colleges, so far as they have been tried. Philadelphia, February 6, 1867.

MR. PARDEE, of Illinois, has found that lime the winter diet is mainly bread, meat, and slaked in salt brine, sown broadcast, had kept the skies as of domestic affairs, that when the when nninhabited. Third, one window is insects from strawberries.

### MUSCLE AND MACHINERY.

THE great objection to farming hitherto has been "hard work." Farm labor is done too much by hand. What manufacturer of the present day could suceeed with only such aid? The human drudge of the farm would rise physically and intellectually in his calling. Farmers cannot afford to be machines when irials entering into the composition of which thinking power rules the world. They must use machinery, and harness either steam, wind or horse power to their car. This last must ever be the common motor of the farm, as it is within the reach of all. By horse power the farmer can mow and reap, turn and pitch, thresh aud grind, saw and bore, ehop feed and crush roots. It is not profitable to farm as those did who lived ceutnries ago. Labor is higher, taxes are steeper, and commercial val- fine; if they make them in the morning, the ues rising. A better agriculture must arise than the past has known, or the farmer will "go under." If our hills and valleys ever become properly cultivated, the farmer has got work to do. Leaks mnst be stopped, time economized, intellectual and social elevation mnst be achieved, farmers' clubs must be snstained, and machinery must supersede muscle. To make any business tolerable, it must be shown capable of yielding something besides health and bread, and that is about all that farming has hitherto shown. Farming will become profitable when the farmer nuderstands himself and saves all that he now wastes.

## Miscellany.

#### INSECTS AS BAROMETERS.

That weather may be foretold, scientific meterology and the electric telegraph have made certain, though these forccastings cannot be made for a longer time than a day or two beforehand. Beyond this limit, as M. Arago has observed, "Never, whatever may be the the progress of the sciences, will the savant who is careful of his reputation, speculate on or hazard a prediction of the weather." Some persons of imaginative temperament, however, prefer a weather wisdom that will penetrate deep into the future. With these the moon is the favorite as well as the most plausible oraclc. It is an old and a popular belief that this luminary is the most potent agent in shaping the conrse of the weather, the shiftings of which are believed to take place particularly in connection with her quarters. It is needless here to attempt to refute this belief, which observations, now extended over years, have clearly proved to have but little if any foundation. It is accepted, both by Sir John Herschall and by Humboldt, as a scientific fact, attested by the pilots and seamen of South America, that the moon's rays have the power of dispelling the clonds. If this be true, and if, in the lunarist's theory, this is the agent which shifts the weather, then all the shifting from foul to fair should be at the full moon. But it is needless to say that this seldom happens, nor is it the lunarist's theory, for, of the two, he gives the preference to the new moon for fair. But this fact of the effect of the full moon's light is interesting in another point of view. No heat has yet, except in one experiment mentioned by Professor Tyndall, been detected in the moon's rays, though there ought to be heat in them; and this cloud-dissipating fact renders it probable that, whatever rays of air above, leaving none to reach the earth snfficient to sensibly affect the thermometer. Dodge, Ohio Reports, 1861. And this further confirms Arago's opinion that heat is the principal agent in these matters. If the heat of the moon's rays affects the air lunar tidal infinence.

hen crows, a tempest is at hand; and, as to considered enough to air a room.

the lord of the poultry-yard, we have the ol saying that-

If the cock crows going to bed, He'll surely rise with a watery head."

Frogs also furnish their signs, becoming brown before a rain sets in, but remaining yellow so long as it is absent; and there is a curious weather-glass made in Germany, the mateare two frogs, two small ladders, and 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 their webs at night, the morning is sure to be 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, con-

fined in a prison during 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 their movements, to foretell a frost fourteen days before it came, and thereby turn certain defeat of the army into glorions victory. But snails are remarkable weather indicators. Like frogs, their colors alter on the nearing of rain, and some species indicate rain ten days before, by thereles which appear on their bodies, and seem intended for the purpose of imbibing moisture. As a general rule, these creatures, according to their habits, two or three days before 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 animals, eomhincd 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 wisdom.

### NEST OF THE HUMMING-BIRD.

THE nest of the humming-bird is a miraele of perfection is domestic economy. For beauty, fitness and safety, the wisdom and taste displayed in its arrangement are unapproachable. Bedecked in a plumage of emerald, ruby and topaz, remarkable for the delicacy of its form and grace of its motion, unsullied by rain from the elouds, or dust from the earth, feeding npon the nectar of the flowers, its habitation should be in character, and so it is. Shaped like a half eup, it is delicately formed of linchons colored like the branch on which it is fixed, and lined with the soft down of plant blossoms, of mullein leaves, or the young fern. It is delicately soft, sheltcred, and undistinguishable from the bark of the tree, of which it seems a most natural excrescence—a moss-grown knot. Two white eggs, as large as peas, adorn the nest, upon which, as asserted by some naturalists, the cock and hen sit by turns, for ten or twelve days.

The little birds, scarcely larger than flies, enter upon their existence in a chamber tapestried as with velvet, and 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 heat they have, are arrested by the clonds and its arrangements. Can gentle humanity derive no lesson from such an example;

AN UNHEALTHY HOUSE.-A dark house is always an unhealthy house; always an ill-aired and clouds to a far greater extent than its at- house, always a dirty house. Want of light traction can, more powerful, indeed, must the stops growth, and promotes scrofnla, rickets, solar heat be in its effects than either or both etc., among children. People lose their health of them. This view of the matter in itself is in an unhealthy house, and if they get ill they snfficient to blow to the winds all theories of cannot get well again in it. Three, out of many negligences and ignorances in managing A sow carrying straw in her wouth to make the health of houses generally, I will here her bed, is as snre an indication of coming foul mention as specimens: First, that the female weather as any barometer can give; and when head in charge of any building does not think puss turns her tail to the fire, and in that posi- it necessary to visit every hole and corner of it tion commences to wash her face, it is said every day. Second, that it is not considered the same event is predicted. It is as true of essential to air, to snn, and to clean rooms



THE FARM AND FIRESIDE 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 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 offensive to good morals. In all its columns this journal will advocate the best interests of the farm and the fireside. Terms-\$2,00 per year, in advance. Single copy, 5 ceuts.

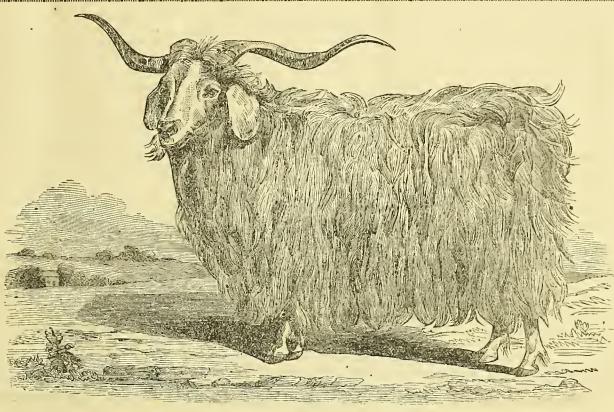


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VOL. 1.

## WOONSOCKET, R. I., SATURDAY, FEBRUARY 16, 1867.

NO. 6.



ANGORA (SHAWL) GOAT.

Angora buck, imported and owned by Win-THROP W. CHENERY, Esq., Belmont, Mass.-Mr. C. has made four successful importations, including over one hundred animals, direct from the district of Angora, in Asia Miuor. -In the Middle and Western States, where these valuable fleece-hearing animals are being rapidly introduced, they are known, as in the Southern States, as the "Cashmere" goat.

Only about twenty years have elapsed since the Angora goat was first introduced iuto this country, but during that comparatively short period experience has clearly demonstrated that the climate and soil of a large portiou of the United States, from Maine to Florida, and from the Atlantic to the Pacific oceans, is admirably adapted to the suecessful breeding of these valuable fleece-bearing animals; indeed it may be safely stated that the Angora goat beed in other countries the goat would lose that will thrive in any locality where sheep-raising peculiar softness and glossiness of hair which is prosperous. The practical value of the animal, therefore, becomes a matter of vital im- try. In the humid atmosphere of England it portance to the agricultural interests of the is quite probable that such would be the ease,

lated, from time to time, by interested parties, finer than that of the imported ones. in relation to the extraordinary value of the Professor Low speaks of the Angora well founded, and that the value of the animal in this country is prospective rather than pres-Troy, N. Y., "have imported machinery and lished in Report of Department of Agriculture splendid fringes, trimmiugs, tassels, &c., and into these articles, will bring at retail five hund- downy wool at its hase; and this hair is dis-

per day.

The skins of the young goats, which are covered with a coat of short, eurly fur or hair, are becoming fashionable, and consequently in muffs, tippets, trimmings for cloaks, &c. It is sometimes used in its natural, glossy, milkwhite state, and sometimes dyed a lustrous black. A single skin is worth for these purposes more then one hundred dollars.

It has been supposed that the soil of the district of Angora had the property of communieating a silky texture to the hair of the animal that lives upon it, and that when exported and is characteristic of them in their native counbut it is found that the hair of animals hred iu Many extravagant stories have been circuithe United States is more glossy, silky and

Angora fleece, in some eases stating the worth being "remarkable for its long, wavy, silky name of 'red eamel's hair." As the fleece desirable acquisition to our food-producing of the hair to be eight dollars per pound. It is, hair, which is spun into threads, of which a however, believed that these statements are not kind of earnlet is made, esteemed heyond all other cloths of the East for its durability."

Perhaps the most full, reliable, and authenent; yet it has been published recently in the tic account of the Angora goat in this country, "Massachusetts Ploughman," that a firm in is by the pen of Rev. Israel S. Diehl, and pubare now prepared to work it (the Augora for 1863. He speaks of them as "probably fleece) to any extent. They make it up into the most valuable of all the goat family." The wool is described as a very beautiful eurled or it is said that the fleece of one goat, made up wavy hair, of silvery whiteness, with a fine ers' and Stock Breeders' Advertiser" assumes whole body. The horns of the female, instead

The accompanying engraving represents an idollars per pound at Lowell, Mass. The the male are long, spirally twisted, but the size igentlemen of scientific eminence well known "Newark Worsted Company", at Newark, and direction are very different from the com-N. J., also have the machinery for spinning mon goat, being generally extended from fifand combing the Angora fleeces, and can use teen to thirty inches in height on each side of in value, to that from which the highly prized in their factory about three hundred pounds the head, while those of the female end near the ears. The hair or wool often sweeps the ground, and is from five to twelve inches long, especially in the older bucks, but then not so fine. The fleeee of the ewe shears from three great demand for ladies' wear in the form of to five pounds, and that of the buck from five to nine. These goats have the hair very long, thick, and so fine that stuffs have been made of it almost as handsome and glossy as our silks, and have been known under the various names of cashmere, camlet, &c. The articles of clothing woven and knit from this wool seem to combine in a great degree the qualities which are so much desired in shawls, viz.: lightness, softness and warmth."

At the New York State Fair in 1854, a committee appointed to cousider the matter, reported that they could not "avoid the conclusion, that in the goats imported, and whose deseendants had been the subjects of this examthat valuable race of animals from whose hairy fleeee the celebrated shawls are manufactured known in commerce by the inappropriate does not appear to have deteriorated in the comparatively warm climate of South Carolina. he obliterated, while in the northern region of the United States this character cannot well for many portions of our country where sheep fail to be permanent. Viewed in this light, the introduction of this auitual promises to be more valuable to the agriculture of the United States than that of almost any other domestic race. They are free from all diseases to which animal.

At the fair of the "Americau Institute" in 1855, a committee reported that they had "exred dollars." And a late article in the "Farm- posed in long, pendant, spiral ringlets, on the amined with much interest the fleece submitted. The hucks breed readily with the common to them, and as well from their own observa-goats, the second cross yielding a fleece of the average worth of the fleeces of full bloods, of spreading as in the male, turn backwards, tions as from the results of a microscopie ex- practical utility, whilst the fourth is but little

to them, are convinced that the fibre of these fleeces is identical in character, and fully equal cashmere shawls are made. The enterprise exhibited by the introduction of these animals into this country, and their propagation, cannot be too highly regard;d.

"These animals are long-lived, such being the ease with the whole goat race. They are prolific, breeding at the age of one year, with a period of gestation of about five months. They are hardy, experience having shown that they will thrive well in our elimate from Georgia to New England, and they require coarse and cheap tood-as the inferior grasses, hriers,. bushes, &c., such as is refused by other grazing animals. Another fact of great practical value to our agricultural interests is the facility with which the cashmere goats breed with the common goats of our country."

The report made at the exhibition of the United States Agricultural Society in 1856, states that "the ficeees from the matured ination, we have the first known specimens of bucks weigh from six to seven pounds, those from the ewes from three to four pounds. The fiesh of the crosses is superfor to most mutton, tender and delicious, making them a

Mr. Chencry says the ease with which they the distinctive character of the race is hard to are kept, living as they do on weeds, briers, browse, and other coarse herbage, fits them eannot he sustained to advantage, while their ability and dispositon to defend themselves against dogs evidence a value peenliar to this sheep are liable, hardy and prolifie, and experience has proved that they readily adapt themselves to all portions of the United States. half-bloods, and intermediate grades, to be six and are much shorter in proportion. Those of amination made and certified to by several inferior to that of the pure breed. With a



Six Good Vameriës of Pluys.—The Rural New Yorker recommends the following plums for culture for market, etc. We have selected six varieties. First, "Coe's Golden Drop;" fruit large, oval; color light yellow, with dark red spots; flesh firm; flavor rich, sweet; ripens last of September. Second, "Bradshaw;" fruit large, oval; color dark violet red; flesh juicy, sweet; ripens middle of August. Third, "Fellenherg," or Italian prune; fruit medium, oval, color dark blue; flesh juicy, sweet and good; ripens first of October. Fourth, "Lombard;" fruit medium, roundish, oval; color, delicate violet red; flesh juicy; ripens last of August. Fifth, "Reine Claude de Bavay;" and sixth, "English Damson;" hoth ripen in September.





these animals may be raised as surely and New Euglaud, as common sheep.

As to the ultimate value of the Angora goat to this country, there can be no reasonable doubt. The animal is becoming widely disseminated, and the "beautiful silvery fleeces" will, in a short time, be produced in such quantities as to attract the notice of manufacturers, when machinery will surely be introduced or perfected capable of manufacturing fabrics rivalling those of the far-famed Eastern looms, and creating such a demand for the article as to render its production remunerative iu the bighest degree.

The manuer of keeping the Angoras, here in New England, is to furnish them in winter much hay and water as they require, and oceasionally a few turnips and browse, such as briers, bireh and white pine hranches-the latter preferred. In summer they do well in rough, bushy pastures. The does are "in season" during the months of October and Noand April, at which time they require careful their extreme susceptibility to cold when first

Immediately after yeaning a small quantity of milk should be drawn from the doe and poured down the throat of the kid, which will, in a few minutes, impart warmth and strength sufficient to enable the young animal to help himself, and be may be left to the care of the

## The Morse.

### HORSE CLIPPING.

Few, comparatively, of our citizens are aware of the manner, usefulness, and extent of that practice of shaving 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 altogetber of a different color from the old hair. Growth then commeuces again and continues steadily till cold weather, when the coat reaches almost its maximum thickness, and forms a substantial and warm covering for the three cold mouths. Human hair, ou the contrary, having ouce fallen out, cannot be replaced.

The clipping of the horse is done usually at or after the opening of the winter season.

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 fine eomb in his left, goes over the bide inch by inch, and cuts the hair as clean and smooth as velvet. As the point of the shears is bent outward, and the curh always intervenes between the steel and the flesh, blood is never drawn. Strauge to say, the animal rather likes the performance, and stands quietly during the seven or eight hours which are occupied. When niore rapid work is required, two clippers ean operate on the same horse, one taking the forequarters and bead, the other the hind quarters, and in some cases four or five meu are employed. Very seldom is an animal found that objects—searcely a horse in a hundred. The most delicate point appears to he the head. Some horses feel a little nervous when the seizzors are flying ahout their ears. Owing to its ber. -Boston Traveller. hony and irregular character, its indentatious and protuberances, the head is also the most difficult to clip.

during this seasou. The benefits resulting from it are numerous, and it adds greatly to the beauty of the horse. Those elegant, velvetskinned, mouse-eolored, faun-colored and other peculiarly tinted steeds that one sees tearing horses of another color that have heen elipped The common red horse, when his hair is off, has a far different shade.

At first glance, to the unitiated, this practice taken. of stripping the horse of his coat just when he

little extra attention at the time of yeaning, of the best means known of curing a severe ished, the previous lessons being enforced with cold or a permanent cough. Serious attacks of greater emphasis as the age progresses. When successfully, even in the inclement climate of inflammation bave sometimes been relieved by kept in the stable it should be accustomed to the process. Of course it is uccessary to keep the harness, wearing it a few bours in the a hlanket on the borse in the stable, and every stall. He should next be taken out and led driver of a clipped animal must carry a good blanket with him to throw over the beast when he is compelled to stop anywhere for a few minutes or more. Team horses, in fact all horses that are used for business purposes, and which stand much in the open air, are therefore not clipped. The practice is confined to ing him to harness work. Put bim by the what are known as driving borses.

A glance at the philosophy of the matter will show why a clipped horse, when properly cared cold weather than oue that is not clipped. A horse with his hair on, is like a man thickly with about a pint of oats each per day, with as elothed. A rapid drive of a few miles produces profuse perspiration and the hair theu becomes reeking wet. A brief pause, in a cold day, chills the moisture, and a reaction takes place, and frequent colds are the cousequence. Even if you put the horse in his stall and rub him down well, he caunot be dried. The perspiravember, and produce their young in March tiou clings to the bair in spite of every effort to remove it, and often a horse used in the evewatching and special atteution, otherwise there ning will be wet in some place the next mornis great dauger of losing the kids, owing to ing. The poor animal is of course quite nncomfortable in bis damp garment, and his liability to inflammatory and bronchial diseases is increased.

Now for the contrast. The clipped horse never perspires to the same extent, the clogging effects of a wet coat are unknown to him, and after be is in the stable, a five uniuutes' cleaning will make bis smooth skin dry aud comfortable, and with his warm hlanket wrapped around him he will lay down to an iuvigorating and contented night's rest. And this suggests another point, and that is the case with which a horse is cleaned and kept clean when the bair is off. Not less than one-half the labor of eurrying and brushing is saved 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 support a full coat of hair being considerable, and the easier action of the beast causing less demand on the nutritive forces. A clipped horse can go faster and farther than the same horse not clipped, a fact that has been abuudantly proved. And there are other minor advantages which it is not necessary to refer to n our limited space.

Clipping has been known in England these orty years and more, and bunting borses were ts subjects. Its beneficial effects bave caused the steady increase of the practice, so that not only all driving borses, but very many of the farm and working horses are now clipped, the climate heiug more mild and equal than ours. From Britain the practice has extended to this country, and was never so popular as at the present time. In the vicinity of Bowdoin square, for instauce, there are no less than nine clipping establishments, 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 eannot say, but they are quite numerous. Probably a couple of thousand horses have been under their shears siuce the middle of Noveur-

### TRAINING COLTS.

Let the education commence with the Clipping was uever so much in vogue as birth. The colt should be fed with a little oats haud. It should then be foudled and petted, peated till they are submitted to without any

pores of the skin, promotes health, and is one to work; it should still be sheltered and nour-skill.

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 three and a balf or four years old.

If the colt has been treated as previously directed, there will be bittle difficulty in breakside of au old and steady borse, and a light wagon without a load, and handle him gently, until he is made to understand what is refor, is immeasurably safer from the effects of quired of him. When about to put him in siugle barness he should be brought out and have the wagou sbowu bim, being allowed to smell it and examine until he bas become familiar with every part of it. Every part of the wagon and haruess should he strong and well made, so that there can be no possibility of breaking. When he is put in the vehicle, every strap should be buckled securely and none left to strike against him. He should then be made to advance, and the wagon gently 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 wheels. After being driven several times he may he trotted gently, but should not be put to his speed nor kept in harness until he is tired out.

> Most carriage horses are too imperfectly broken. Their education is too hurried, and seems to be considered perfect as soon as the animal will merely take to the collar. Many young horses are soou ruined by the unfeeling employment of the bearing rein, which disables the organs of respiration and reuders the lightest draft a burden. When starting to drive a young borse, the driver should mount bis scat quietly, gather up the reins, and get his borse under way quietly by speaking or chirrupping; never starting with a wbipallowing bim to increase his pace by degrees to the speed required, instead of forcing it on a sudden. Keep at a regnlar gait; do not go by fits and starts. - Am. Stock Journal.

## Various Matters.

BEAUTIFUL EXPERIMENTS.—Fill a widemouthed glass jar with water, and cover it over with a piece of "foundation" (the ladies will peas, pressing it down so that the peas will lay in the water. They will then swell aud sprout, the roots growing down into the water, their fibres presenting a heautiful appearance. Set this in a window, and vines will grow up which can be conducted to the sill. The whole is very haudsome.

If an acorube suspended by a piece of thread to within half an inch of some water coutained iu a hyacintb glass, and so permitted to remain without being disturbed, it will in a few months hurst and throw a root down iuto the water, and shoot upward its tapering stem, with beautiful little green leaves. A young oak tree, grownthis way, on the mautle shelf of a room, is a very interesting object.

How to Propagate Dahlias.—I plant the bulbs in hot beds, just as I would sweet potatoes; when the plants get up four or five inches, I cut them off down close to the tuber or bulb; these sprouts I cut up into little pieces. making the lower cut just helow an eyc. These cuttings I put out in sand, and they soon strike roots and grow. The tuber will send up in a pau; it will soon learn to feed from your other sprouts, which when of sufficient size, are cut off and treated in the same manner. at the same time the band should frequently A large number of plants are thus made from a be passed over the hody and oceasionally single tuber or root. By this method the finest carried down the limbs. The tiny feet should flowers can be produced. If you plant the through our streets before light sleighs, are at leugth be raised, and afterwards the hoof be whole bulb, with one eye on it, the plants will gently tapped. These things should be re- grow very rapidly and strong, but it will all go to stalk and leaves, and the flowers will be inevideuce of fear being excited by the liberties different. Most people plant out dahlias too early; the first of June is plenty early euough When weaning has by the process of nature The best flowers are those which are produced would seem to need it most, seems cruel. Re- been accomplished, the colt should not be late in the season. The treatment of the ally, the contrary is the case. It opens the turned out and neglected until it is old enough plants, after they start, requires no special

#### FARMERS' WIVES.

THE reading of essays by the ladies is one of the exercises which give life and interest to the meetings of the Springfield (Vt.) Farmer's Club. From one of the cssays by Mrs. Daniel Rice, published in the Vermont Farmer, we copy the following paragraphs:—

Did you ever think of the amount of thought requisite to plan three meals a day for three hundred and sixty-five days in suecession? To prepare enough aud not too much, and for those living at a distance from the village, to remember that the stock of flour, sugar, tea, etc., etc., is replenished in due time? Do you ever think of the multitude of her cares and duties? She must rise early to prepare breakfast or oversee it. Perhaps there are children to wash, dress, and feed, or to get ready for school with their diuners. There is baking, sweeping, dusting, making beds, luuch for the men, may be-dinner and supper to be made ready at the proper timethe washing, starehing, folding, and irouing of clothes-the care of milk, including the makiug of butter and cheese-and the inevitable washing of dishes. In autumn there is the additional work of picking, preserving, canning of fruit, drying of apples, boiling eider, making apple sauce, with the still more unpleasant task which falls to ber lot at butchering time. Theu there is haying, harvesting, sheep-shearing, etc., when more belp is needed, briuging an increase of her labors. Twice a year comes bouse cleaning. By the way, of all the foes a house-keeper has to contend with, dirt is the greatest. She may gain a complete victory and think to repose upon her laurels after ber semi-aunual engagementsbut it is only temporary. The enemy soon returus, and even daily skirmisbing does not keep it at bay.

There is the mending too. Sewing machines are great blessings, but they can't set a patch or darn the stockings. I do not mention these things by way of complaining of woman'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 evils of life, which must be borne as we bear all other ills-but what I do ask is a due appreciation of the important part that woman acts, and a concessiou that ber labors, mental and physical, are as great, all thiugs considercd, as those of the other sex. Women are uot so ehildish that a little sympathy uow and understand this), cover that with a layer of then, or acknowledgment of their efforts and sacrifices, makes them imagine their case worse than it is. I tell you, men and husbands, "it doeth good like a medicine," and many a poor, crushed, broken-down wife and mother, is dying for want of it.

> GET ENEUGH SLEEP.—We have often heard young unen remark that four or five bours' sleep was all they wanted, or that the human system required. The habit of going without sufficient sleep is very injurious. Thousands, no doubt, permauently injure their health in that way. We live in a fast age, when everyhody seems to be trying to pervert the order of uature. If folks will persist in turning night into day, it is not to be wondered at that few last out the allotted term of life. No matter what be a mau's occupation-physical or mental, cr, like Othello's "gone," and living in idleness-the coustitutiou eannot last, depend upon it, without a sufficiency of regular and refreshing sleep. John Hunter, the great surgeon, died suddenly of spasmodic affectiou of the heart, a disease greatly encouraged by the waut of sleep. In a volume just published by a medical man, there is one great lesson that bard studeuts and literary men may learn, and that is that Hunter probably killed himself by taking too little sleep. "Four bours rest at uight, and one after dinner, caunot be deemed sufficient to recruit the exhausted powers of the hody aud mind." Certainly not; aud the consequence was that Hunter died early. If men will insist on cheating sleep, her "twin sister, death," will avenge the insult.

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



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 any form in a mould: A German professor has found out a cement for fasteuing iron in stone, which in forty-eight hours becomes nearly as hard as the stone itself. This consists of six parts of Portland cement, one part of nicely-powdered lime, burnt not slaked, two parts of sand, and one part of slaked lime. This, when well mixed and reduced to one mass of cemeut, with the necessary quantity of water, is put in the crevices and, and one part of slaked lime. or openings of the stone and the iron, both being previously dampeued, and after forty-eight-bours the iron will be found securely fastened in the stone.







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utts are allowed in advertisements, and no unusual display.

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SEND A STAMP .- Specimen numbers of the FARM A: FIRESIDE will be forwarded to any address, on the receipt of

## The Field.

#### STEAM PLOUGHS.

TRIAL OF A NOVEL AFFAIR FROM ENGLAND.

Public euriosity has been largely excited within a few days by the appearance on our theroughfares of a cumbrous machine, a steam engine drawing a train of ploughs. This steam plough, as it is technically known, is an invention which is the property of Messrs. John Fowler & Co., of Leeds, England. It has been in use in the valley of the Nile, for some time, and there, we are assured, is an established improvement.

Mr. Max Eigth, formerly chief engineer on the staff of Pasha Hahn, when that pasha held the vice-royalty of Egypt, comes with the ma- take measures to prevent. If a peach tree in it. Having witnessed in Egypt the operations of the plough, he is couvineed that it will be as bloom profusely, it will bring to maturity a successful here as it was on the Nile, and yes-full erop of fruit, despite the freezings and fair grounds. A large company witnessed the cold of December and January in this latitude, trial, among whom were several geutlemen that destroys or weakens the productive powwhose occupation from boyhood had been that of a planter.

The question to be decided is the practicability of steam power for agricultural purposes, and especially for breaking ground. We have liave seeu numerous trials of different inventors to improve on the unule and ox teams for ploughing; but for practical use these inventions were very generally set aside by the farmers of that section. The necessary expense of supplying fuel and water for the engine, and its great weight eausing it to sink in soft ground, were the main bludrances to the steam plough in Iowa and Illinois.

This invention of our Euglish friends obviates some of the difficulties in the way of the moved. Western Yankee invention, by the power remaining stationary. In the case of the Yankee steam plough the eugine traversed the eutire distauce to he ploughed, pulling the ploughs as a team of oxen would.

Iu this invention of John Bull, Esq., a couple of mud-road locomotives are required, one at convenient to apply it in the fall, I will defer each end or side of the field. The ploughs are its description for a future article. eight in number and are geared on a long irou frame work, which is balanced on the axle of a pair of wheels, four ploughs being hitched to each end of the frame. Each eugine performs the work of drawing the ploughs from the op- perieuce in raising tea. She obtained seven posite side of the field, both being furnished plants in 1860. These grew so vigorously with a coil or wire cable, and when one is pulling the ploughs the other lets out its cable, 1864, she made a second cutting of young, in proper position for the next pull. The them, however, much closer. That year she amount of ground broken by each draft would made five pounds of tea, pronounced by good require eight pairs of mules in the ordinary judges equal to the imported. way of working.

attendants, and a couple of pilots to navigate large or four small sized "gang ploughs," now in the Northwestern States.

Nothing more will be known of the advaunot been tried at all.

It was really amusing to hear the numerous suggestions, as well as the various objections. One would condemn it hecause the width of furrow did not suit him; another thought it did not turn the swath over flat enough, while some thought it the greatest substitute for "niggers and mules" inveuted since the proclamation.

Everybody seemed to be interested, more particularly in the quality of the work doue, and not in the cheapness of steam power, (if it be cheaper.) as compared with mules for ploughing. Cheapness is the question to decide. That is what we are all after. Which costs the most to support in time of ploughing -an iron horse or a mule? That is what we want to know. We care nothing about the quality of the work or the experiment. That depends, as we said, on the kind of plough used .- New Orleans Paper.

### PROTECT YOUR PEACH TREES.

The following remarks from the Illinois State Journal are worthy the attention of horticulturists. Colonel Woods, the writer, is the intelligent Secretary of the Illinois State Sanitary Bureau:

Mulching trees, as recommended by your eorrespondent in the Journal of Saturday, is uot without its beuefits to the trees, and to the soil immediately around them, but it will do very little towards protecting the trees from the effects of intense cold.

It is not the early budding and blossoming of the peach tree that we should dread and chine to superintend experiments made with this section survives the frosts of a severe wiuter, and retains vitality enough to bud and terday his favorite implement was tested on the thawings of April and May. It is the terrible ers of the peach tree. Any observing horticulturist could easily be convinced of the truth of this theory by referring him to illustrative instances in the history of his own experience. But my present purpose is not to advance a travelled many miles in the furrows of steam theory, but to propose a remedy, by earnestly plonghs ou the prairies of the Northwest, and advising the repetition of a very successful experiment.

Take rags, paper, corn husks, hay, straw, or anything with which you can cover the trunk of the tree, and effectually exclude from it the rays of the sun through February and March, and it will rarely fail to reward you with fine fruit. Hay ropes make cheap and easily applied covering. It should be put on before the spring-thaws begin, and retained until the fruit is formed. If made of hay it need not be re-

Any farmer having three or four good peach trees near his house may always have an aurple supply of their delicious fruit for his family by providing for the trees a protection which is much better than the one above mentioned, and which is very simple. As it will be more

John R. Woods.

TEA CULTURE IN NORTH CAROLINA. -A WTiter in the Southern Cultivator gives her exafterwards that in October of the same year, amount of ten made was after drying, only

Having no metal plates or chafing dishes, nine.

## Miscellany.

AN ENGLISH SON OF THE SOIL.

An English paper gives an interesting account of the vast estates of the Dake of Rutland in Leicestershire. It says :

" The Duke of Rutland's estate extends to "one-sixteeuth of the whole county, comprising 39,000 acres, of which about one-half is strong loam and clay (the pastures of surpassiug uatural fertility) of which the Vale of Belvoir, on the lias, forms the chief part, about 5000 acres beyond Leicester being composed of strong marl and gravel. The remaining half being about equally divided between white and red "creach" [soil] upon the oolite and marl-stone formations. The farms vary from fifty acres to seven hundred and fifty acres; the more general size is from two bundred to four liuudred acres, the portions in grass and arable being about equal. Here we have an estate producing a clear rental of at least £80, 000-more probably than £100,000 (half a milliou dollars in specie )-per aunum, courprising one-sixteeuth of the richest county iu England in the hauds of a single man. And be it observed, that is only by the laws specially provided for the artificial aggregation of land by means of entails and settlements that such an uunatural condition of ownership could exist, for there are numerous younger and collateral branches of the Rutlaud (Manners) family among whom this gigantic mass of property would naturally have been divided. It may have happened, however, that the political influence and power of the head of the family has peen of great use to the other members in obtaining them provisions out of trampling on it. the public purse. Of course all the ducal tenantry hold their farms from year to year. They have no formal agreement, but a sort of ukase or "memorandum is printed on the backs of the rental receipts given when payments (of rent) are made.'

This memorandum commences as follows: "Take uotice that the following are the conditions upon which you rent or hold the land and premises iu your occupation under His Grace the Duke of Rutland." The provisions are few, simple and stringent-binding the tenant to farm in a husbaud-like manuer, and to keep the buildings, fences, gates, posts, drains. &c., in good repair, uot to underlet or break up grass land-nor to sell hay or straw. Then. "Fifth—That no trees growing on the premises will be permitted to be lopped or in auywise injured. Sixth-That on your quitting the premises all the manure will be considered as belonging thereto, and will not be suffered to be removed therefrom or allowed for. Seventh -That the game and right of sporting on such lands is (commou Euglish would have been 'are') reserved to His Grace.'

It is also said the tenants "are further protected by a liberal schedule of allowances as tenant-right for purehased manure," etc., though how such a schedule ean coexist with the sixth condition, would puzzle the acumen of legal interpreters of the contract, should any litigation arise thereupon. The Rutland tenants are probably held too well in hand ever to dream of disputing the behest of their lord. As showing the amount of political influence such a territorial magnate cau wield, by the ageucy of a subservieut tenantry, we extract the fol- During the following autumn the ducks laid ready, when the signal is given from the other tender shoots, and gathered pesides nearly two lowing: in 1858 there were under a rental of 225 eggs; they recommended laying in Februeugine, to commence winding up, and thereby pecks of uuts from the seven plants. The £8 per annum, 759 occupiers; above £8 and ary, and continued to do so uutil the middle under £10, 52; £10 and nuder £12, 40; £12 field. As the work progresses the eugineers about two and a half pounds. The next year, and under £15, 49; £15 and under £20, 62; autumn. but began in January, and left off in unove up their engines as far as is needed, to be 1865, she pursued the same course, cutting £20 and under £50, 115; £50, 198: making the middle of August. The totals of each at a total of 1275 occupiers.

skimmed milk; 20zs. fresh slacked lime; 5lbs. So we have here two engines to be supplied she used a common cast-irou "spider" heated whiting; put the lime into a stoneware vessel, Hence the duck is more profitable than the hen with fuel and water, with their engineers and over a slow, charcoal fire. When it was pour upon it a sufficient quantity of milk to hy far. ijust hot enough to be uucomfortable to the make a mixture resembling eream, and then the ploughs properly across the field to compete hand" she put in the leaves, "twisting and add the balance of the milk. Crumble the with sixteen mules and four drivers, with one rubbing them with the palms of the hands, whiting and spread it on the surface of the raising them from the pan, twisting, bruising fluid. Stir or grind as you would lead paint, extensively used in the corn and wheat culture them and letting them fall back." The bruising and apply as you do other paints. It dries she thinks essential; during it the leaves emit quiek, and a second or third coat can be added for one season. The hens and their keeping a large quantity of greenish sap. She adds if desired. It is inodorous, does not rub off. tages of this steam plough, or its disadvantages, that the keruel of the ripe nut is so bitter that This quantity will cover 57 square yards with after a week's experiment here, than if it had she is sure it would prove a substitute for qui- one coat. It may be colored, it desired, by adding coloring matter.

WHY Sows DESTROY THEIR YOUNG writer in the American Stock Journal thinks that costiveness and its accompanying evils are the main cause of sows destroying their young, and proper food the preventive and cure. He says he has "never known a sow to eat her pigs in Autumn, when running at large with plenty of green food; but, with hardly any exception, sows littering early in the Spring are troubled with eostiveness, which is frequently so severe as to be accompanied with inflamed eyes, great restlessness, and other signs of suffering. This restlessness sometimes increases till it amounts to frenzy. Have had them become so savage as o attack me fiercely, though at other times perfectly gentle. If not stopped, this frenzy may increase with the pains of labor, and the sow will then destroy her young, or any other living thing within her reach. Cure the costiveness, and this restlessness and irritation will be cured, and if she was a good natured sow she will become gentle and quiet again,

Potatoes, turnips, beets, earrots or parsnips, or any vegetable that will have a tendency to open the bowels, are recommended.

Founer.—Feed the coarser kinds liberally. Poor hay, stalks and straw should be fed out mainly in the beginning and middle of winter. Reserve straw euough, however, for bedding aud to litter the yards with in the spring. Study how to economize food; not by stinting, but by better preparation; it can be done by haviug comfortable stables, by feeding regularly, by cutting fodder and unixing bran or ground graiu with it, by steaming, and by having proper racks, so that stock can waste none by

A few days ago a Committee of the Illinois Legislature visited the Insanc Asylum at Jacksonville. A rather amusing incident occurred while the committee was going through the buildings. One of the honorable members from Cook county was among the party. One of the insane men who had evidently been something of a politician, approached the Chicago legislator and said:

"Ah how do you do, sir? You got elected at last, didn't you?

The honorable drew himself up with a conequential and patronizing air, and said:

"Oh yes, I got elected. The crazy man replied:

"Yes, you did. A great many - scoundrels are getting elected now.

California, it is estimated, produced last year 2,000,000 gailous of wine, and the anuual product a few years heuce, when the growing vineyards hegin hearing, it is predicted will reach 5,000,000 gallons. The value of the fruit crop of 1866 is stated at \$2,533,530.

# The Roultry Yard.

THE HEN AND DUCK AS EGG PRODUCERS .paper has been received by the Paris Academy of Sciences from M. Comaille on the comparative value of the hen and duck as egg producers. His observations were limited to three hens and three ducks, all fine animals, hatched at the same time in the month of February. of August. The hens laid no eggs during the the end of that time were-the hens, 257 eggs: the ducks, 617. M. Comaille next examined OUT-Door WHITEWASH .- Two quarts of the nutritive value of each kind of egg, and found them nearly equal in that respect.

> POULTRY PROFITS.—lu a late number of the N. E. Farmer was a communication from Moses Eaton, Jr., of South Hampton, N. H., showing the cost of 41 heus and their product amounted to \$70. They produced eggs to the value of \$74 73; chiekens, \$49 15; total sales, \$123 88. Hens on hand, (44,) \$22; balance in favor of the hens, \$75.



Lower Delaware.—R. B. U. writes from Milford, Del., giving information of interest to those meditating a change to a milder climate. "The climate." he says, "is mild and healthy; we are strangers to extremes of heat or cold. The farmer can work all the year; I have not seen a dozen days in two years in which I could not work in perfect comfort out of doors. The sea breeze modifies the heat of the summer, and the nights are pleasant in the hottest season. Stock does not require feeding more than half as long as in Northern New York. The soil, although much run, under an exhaustive and shiftless system, is very generous, and easily brought back to a condition of fertility. Fruit and vegetables grow luxuriantly; their transportation is good, their culture profitable.





## Morticulture.

PEAR CULTURE.

Written for the Farm and Fireside, ROBINSON SCOTT, PHILADELPHIA

In the general rontine of gardening, which includes fruit-culture, to which, however, the special term "pomology" has been of late years applied, there are many objects brought nnder the care of the operator which are not expected to produce a remunerative crop, but are merely cultivated because desirable, or interesting, or ornamental. This description of gardening is better known as "amateur" cultivation, and is followed rather as a pastime or recreation than as a husiness. Much of the gardening we read of abroad, is of this class; as there, money is spent without limit to produce the most superfluous luxuries. There we meet with the extremes of luxury and misery; 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 necessary inquiry as to whether the result will remunerate for the outlay. Now we are free to admit that ont of every hundred pear trees which have been planted during the past twenty years, not twenty-five per cent. have returned sufficient fruit to remunerate the planter. We take the Pear first, because there is a general idea prevalent that Pear culture is at best a losing game, and in this we shall at least have little opposition. But we are ready to make a similar statement in regard to the well known and favorite apple, and even the out door grape. But in attempting to substantiate the low average quoted, we request permission to state a few particulars.

Fruit trees generally have not succeeded well in gardens, even under "amateur" culture, for various reasons. Among the first, is the fact that when a few fruit trees have been planted, they have been promiseuously distributed among the garden plants, in the garden borders, - quite limited in extent, and annually subject to the visits of the spade in closer proximity to the tree than is at all desirable or judicious. When planted to any extent, the selection of trees and varieties have not been made with the necessary skill and judgment. The ground has not been properly prepared prior to their being planted, and after planting they have not had the necessary though simple management they required.

They have been mutilated instead of being pruned, for very little pruning is required it commenced in season, when the tree is young. All the pruning might almost he done hy the finger and thumb in the growing season.

The soil has not been cultivated around them, as around any other erop, hat permitted to become stiff or grown over with grass or weeds. When, perchance, the trees commenced to bcar, the crop has not been thinned; the anxious owner desiring all the fruit he can obtain, at best not a very large supply, while those trees that will hear, are permitted to over-bear to make up for their less 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 observation 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 not but too well known to amatours and farmers, who have to any extent embarked in the cultivation or planting of the vation are better omitted. Pear. We have stated nothing about the rival claims of the Standard Pear, or the Pear on the Quince, as both have been almost equally mismanaged. With respect however to the relative value of the Standard and Dwarf tree, as a not admit that they survive so long, for with profitable investment, some points will bear a some they never grow, merely live or struggle little elucidation.

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 trees 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 Pcar on quince; leaving the varieties for the present out be taken up at a future time. of the question. This is owing to the nature

of the root-growth of the two trees. The roots of the Pear are very wiry, search far down for their food; in the most unfavorable soils if dry, and by slow degrees are able to establish themselves very firmly, even in the poorest soils-while on a snitable soil they grow vigorously and produce a vigorons, healthy tree.

The roots of the quince, on the other hand, grow in masses, do not extend far in comparison from the trunk, and require for their nutrition a rich, moist soil, at least rich in organic matters; they remain near the surface, and are readily injured by severe drought if not proteeted by mulehing in summer. The varieties of Pear worked on the quince, must be selected; that is, all varieties do not succeed equally monthly work, published by P. Morris, were well, owing to the readiness with which the given to the members present. wood system of certain varieties unite with the quince. This depends on the cell structure of The details belong to the subject of vegetable physiology, and is worthy of more particular

Varieties which readily unite with the break off when united, are the only ones which

These suitable varieties are well known to amateurs, tell ns that only a few, say a dozen latter for New England circulation. varieties, are "worth growing on the quince." We have repeatedly listened to these remarks and in some cases have almost assented to show against the overwhelming opposition; of it; just as the writer had met with facts to proposed for membership. bear him out in either statement. The number ignorant hands they are very few.

other, some years ago absorbed the attention of Pomological Societies, and was to be met with in every rural journal. In accordance of careless planters, the list of varieties which sneeeed on the quince has been much curtailed in the American Pomological Society's fruit make the successful cultivation of the Pear on the quince, a practicable business.

If we desire a list of twenty varieties ripening throughout the season, we can have at least three reliable Summer sorts, viz:

Benrre d'Amnlis, Sterling, Brandywine.-Twelve reliable Full varieties: Belle Lncrative, Henry the Fonrth, Beurre d'Anjon, Benrre Superfine, Buffam, Beurre Hardy, Howell, Louise Bonne de Jersey, Urbaniste, Doyenne Boussock, Benrre Diel, Beurre Langelier.

Five choice Winter varieties: Beurre Easter, Doyenne d'Alencon, Glont Morceau, Vicar of on the subject. Winkfield, Jaminette.

The above twenty varieties are such as unite the best of our long list of sorts.

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 well on the quince, and include many very choice fruits, such as the Ott, Flemish bone was burned so fine before being ground. quite equal to that of Mestizas or Capes. Beanty, Bourre Giffard, Benrre Clairgeau, and It could be made for \$30 so as to be of value others; these have succeeded well on the to the farmer. Peruvian guano, sold at \$100,

The great complaint advanced against the dwarf trees is the fact of their want of longevity, and some have condemned them to die in values. Pondrette, selling at \$20, was worth a capacity of one hundred thousand a year. an average duration of ten years; others will \$14. In view of these facts, he moved that a between life and death—this is all quite easily acconnted for.

They are also said to be subject to many disstandard tree. We searcely admit this, the quince borer being the only insect special to the quince that is very destructive.

The consideration of the Standard Pear will

February, 1867.

## Philadelphia Society.

[Reported for the Farm and Fireside.] PHILADELPHIA SOCIETY FOR THE PROMO-TION OF AGRICULTURE.

The February meeting of this Society was held on the 6th inst., CRAIG BIDDLE, Esq. President, in the chair.

The minutes of the previous meeting having been read, specimen copies of the FARM AND Fireside, a weekly agricultural journal, published by S. S. Foss, at 402 Prune Street, Philadelphia, were presented to the members. Also, specimens of the "Praetical Farmer," a

Professor Kennedy moved that the Society subscribe for both journals; whereupon George the tissue and is only learned by experience. Blight, Esq., Treasurer, said they were already subseribed for. A Mr. Haines asked for information relative to the FARM AND FIRESIDE; stating that he believed it was also published in New England. The President said one of quince, do not overgrow the stock or readily the Editors of that paper was present, and would answer the gentleman's inquiry. Mr. should be planted for profit. Many others will G. W. Foss replied that the FARM AND FIREgrow and podnce fine fruit, with special earc. I SIDE was published simultaneously at Philadelphia, and at Woonsocket, Rhode Island; the the "Fruit-growers." Some cultivators, or former edition for the Middle States, and the

> Reports of the Agricultural Departments at Washington, were presented.

The following gentlemen were elected memthem, despairing of being able to make any bers of the Society: John Berry, James B. Rayner, M. W. Birch, M. McElroy, George indeed, we have seen it so stated in some peri-Remsen, and J. B. Lippincott. Mr. G. W. odicals at one time, and at another the reverse Foss, A. C. Roberts, and Samuel Huston, were

Dr. Thompson, one of the "Committee on the skillful frnit-grower, while in eareless or Committee. A sample was exhibited of a new This branch of the subject, more than any Edge, of Chester county. The sample was very handsome, said to be a cross between the with the preconceived opinions of the majority sented, called the Shaker variety. Committee reported progress.

Robert M'Clurc, Veterinary Surgeon, exhibited a model of the celebrated "Sheep Net," list. There are still enough left, however, to which is used to a considerable extent in Europe, for herding and folding sheep. C. W. Harrison, Esq. expressed his approbation of it, and thought it might be advantageously introduced in this country. The net-work is made of cocoa-nnt fibre, is very strong and durable. The exhibitor thought it would be a cheap and valuable fence for poultry-yards. A circular was read from Hon. Isaac Newton, of the Agricultural Department, calling attention to the importance of sending eerials to the French Exposition. George Blight, Esq. said the Corn Exchange had already taken action Francisco wool circular, says:

An interesting discussion was opened by Dr. Hall, on the value of fertilizers. He said he closely with the quinee stock, and with fair had analyzed specimens of several, now in the 15,000,000 pounds. At this rate of progrescommittee he appointed to memorialize the that all artificial manures and guanos be inspected by an agricultural chemist.

Dr. Emerson inquired if Dr. Hall had formto at least ten dollars,

the price and specimen, which he analyzed at his leisnre.

A discussion now arose, taking a wide range, on the value of the component parts of fertilizers.

Dr. Hall said it was known to every chemist that it required one pound of sulphuric acid to decompose each pound of bone, hut not onefourth of that amount was used.

Mr. Harrison said the hest result he had obtained was by using super-phosphate of lime with Peruvian guano, in equal parts.

Dr. Emerson said that a fertilizer to be rich, must be soluble. It was not the amount of ammonia in it; hnt the question was, is it in such a condition as the ammonia will not fly off to the atmosphere, hnt go to the roots of the plants? Some of the preparations were sufficiently soluble to produce one good crop; bnt, after that season, the ammonia flew off to the atmosphere. He placed phosphoric acid as the great agent of fertility. Ammonia has had that rank, and was yet of great value. Every person knew of the villamous smell of ammonia, and could readily detect the rapidity with which it flew in the atmosphere; yet it eould be so fixed by artificial process as to remain in the earth and be of vast advantage.

Dr. Kennedy referred to the amount of ammonia generated from the soft parts of animals buried near the surface. It was claimed for guauo 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 substance soluble. A Russian chemist had made phosphates soluble by the use of ashes. Potassa, as is well known, is the important of varieties which succeed on the quince are Potatoes," made a partial report—stating that function of animonia, and is far better than numerous under the careful management of but few specimens had been forwarded to the sulphnric acid. In our climate it was very advantageous to start plants early, so as to Secdling, raised for two seasons, hy Thomas J. keep them free from insects; and if this is done the plants will take care of themselves, phosphoric acid having nothing to do with it. Mercer and the Monitor. (Some people will Some persons who were not as energetic as question this idea.) Another sample was pre- their fellows, lagged behind in getting in their plants, and the eonsequence was they had to resort to ammonia to catch np with their

It was decided that a committee should be appointed to prepare a memorial to the Legislature in accordance with the idea of Dr. Hall.

A committee on memorial was appointed by the President, consisting of Dr. Hall, Dr. Emerson, and Mr. Eldridge, thus connecting the legal with the scientific gentlemen of the Society.

Adjourned to meet on the first Wednesday in March.

Wool Clip of California.—The New-York Economist, in commenting on a San

The clip of California wool is increasing very rapidly. The estimates for this year are about 8,000,000 pounds, and for 1868 ahout treatment bear well; in quality they are among market, and the result was that super- sion it is easy to estimate what it is likely to phosphate of lime, sold at \$60, was worth \$38 be ten years hence. Quality is also improving, to the farmer. Another kind, sold at \$56, was being about 15 per cent. hetter this year than worth \$40. Burned ground bone, sold at \$60, last. Altogether, it is a wool deserving of was worth \$37.50, the specimen he examined more attention than it has lately received—the having but little ammonia in it, because the working qualities of the finer grades being

THE largest plow factory in the world is at quince in some localities, hut for general culti- was worth to the farmer \$49.55. These cal- Louisville, Kentucky. During the working eulations were based on ammonia being worth years since 1860, including the present season,  $12\frac{1}{2}$  cents, the phosphates being worth  $1\frac{1}{2}$  the factory has turned out over two hundred cents-these two items making the principal thousand plows, and has, at the present time,

IRISH LANDS.-Lord Dufferin writes to the Legislature for the passing of a law requiring London News: "Five and twenty years ago the area of uncultivated land in all Ireland only amounted to six million three hundred thousand, at this moment there are only about four eases; insect attack, blight and a long list of ed his estimate on the net value, or whether million of acres in that condition. Of these defects not known in the cultivation of the he had taken into consideration the cost of formillion two million and a half consist of bog bags, eommission, transport, &c., all of which and mountain land, so barren as to be reported were paid hy farmers. The incidental ex- by Sir R. Griffiths unfit even for pasture; so penses on each ton of fertilizers would amount that instead of there being seven million of acres of waste land to be improved, as has been Dr. Hall said he simply called at the stores stated, there only remain about a million and where these fertilizers are sold and obtained a half improvable even for pasture.



IVENESS OF NATURE.—Nature will be reported. All things are engaged in writing their own history. The plant and pebble go attended by their The rock leaves its scratches on the mountain side, the river its bed in the soil, the animal leave bone in the stratum, the fern and the leaf their THE SUGGESTIVENESS OF NATURE.—Nature will be reported. modest epitaph in the coal. The falling drop makes its epitaph in the sand or stone; not a footstep in the snow or along the ground, but prints in characters more or less lasting, a map of its march; every act of man inscribes itself on the memories of its fellows, and in its own face. The air is full of sound, the sky of tokens; the ground is all memoranda signatures, and every object is covered over with hints which speak to the intelligent.





# Parm and Pireside

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 16, 1867.

AGRIOULTUBE feeds us; to a great extent it clothes us; with out it we could not have manufactures, and should not have comce. These all stand together like pillars in a cluster—thest in the centre, and that largest is Agriculture.—HANKS

# ACRICULTURE THE BASIS OF RECONSTRUCTION.

THE political world is at present much agitated in reference to the best and most feasible plan of Reconstruction. Congress proposes one plan, the President another; the radicals iusist 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 will he hut an imperfect cementation of parties and interests. Time, alone, will be the regenerator, and make 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 or 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 country,) agricultural science will be the most powerful auxiliary in accomplishing a result so desirable.

The unlimited right of owning property iu allodial fee, both personal and real, which in this country descends equally to heirs and kindred, coustitutes a system of jurisprudence which is peculiarly an American institution. This system forms one of the principal elements of our national stability. Here every man, woman and child, may have a real or prospective interest in the soil; here people labor for the permanency of a habitation, for the endearlivings, and a relief from those pressing wants so eurbarrassing to human improvement. Feeling themselves secure from want, protected hoards, lay over a foot of loose straw litter, and defended by laws, and surrounded hy agreeable associations, they hegin to reflect, iuvestigate, and aet for the good of othersfor the advancement of knowledge and domestic happiness.

Then, if individual ownership of soil is an element of national stability, and if the coun-imean time banking up the frame all round outpetency arising from such ownership opens side well with stable manure and litter; theu the way to social, moral and intellectual improvenient, the more owners of soil in the Southern States, the more general and abiding all the sunlight possible, and raise one side of will attachment to the country become; and the sash to give air on all warm, pleasant the more rapidly will general intelligence he spread. The want of personal attention to straw covers, and after all frosts have taken agriculture in the South, was the main thing their departure, remove the sash entirely, that that retarded the growth and prosperity of her hest interests. Land owners were few, and growth a few days before transplanting. By their possessions comprised thousands of acres such an Auxiliary Hot Bed, we can get each. These were badly, almost barharously, tilled by slave lahor; and the supervision exercised hy overseer and master was merely nomiual. There was no incentive to improve the implements of husbandry or to introduce those already improved. Scientific agriculture iu Dixie was a farce; the soil was fertile, almost beyond exhaustion in some sections, and yielded lavishly and spontaneously. Farm drudgery was a bar to Southern nohility-

The failure of the Rehellion resulted in the destruction of slavery; it will also as surely resnlt 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 eventnally be an influx, of hardy, earnest, practical men, producing either a Puritanic element, or that admixture of races which has made our Northern people so contented, tenacious, liberty-loving. Men will turn their attention to the snre and peaceful resources of agriculture; this will tend to centralization; society will he reorganized; sparsely populous districts will become thickly settled; and free schools, academies and churches, will follow the dawn of a new prospcrity.

The Sonth, ahove all other sections of our 17.2; medium, 15.2; small, 14.6.

country, possesses the natural ingredients and facilities for agricultural prosperity. The vast extent of her territory, the fertility of her soil, her irrigating streams and uavigable rivers, her elimate, her natural avenues of transportation, make up a physical geography of the most favorable character. Half a century of practieal devotion to agriculture will make au astounding revolution in the South. It will be the surest, the broadest hasis upon which to rehuild our untionality-the cardinal ereed of reformation. Her people will grow rich by the healthful exertion of labor. They will he happy in the newly developed consciousness of inherent power and ability. Each man will feel himself an intelligent sovereign, and will be seduced by the sophistry of no political charlitan or nabob into movements or enterprises destined to wreck their fortunes, saerifiee their lives or envelop their memories with the disgrace of apostacy or the hraud of treason.

#### AN AUXILIARY HOT-BED.

As a hot-bed for helping forward early vegetables is a necessity in every kitchen garden, and as it is probable that more than half of those who ought to have them in a regular 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 vegetables three weeks earlier than they are to he obtained by the usual out-door practice, to muster in our substitute without further delay.

Select the warmest, sunnicst corner in the gardeu, well sheltered from north west windsnail up a strong, rough hox or pen, fourteen to sixteen feet long and four feet wide; the front facing south, two feet high, the hack three. Fill in and trainp down stable manure-from horses, if to be had-to within seven or eight inches of the top of the front. Gather such sound second hand glazed sash as meuts of a home. Next follow competent can he got, long enough to reach across the frame, and enough to cover it from eud to end. Batten the end joints with hits of and let the hed sweat ten days. Then find some where-under some old barn or outhouse floor, 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 sow the seeds of such plants as are required early, lay on the sash, batten the joints, give days; protect in sharp, cold snaps with the the plants may harden up in healthy, natural vegetables forward, and ont doors; growing vigorously only a few days after the "regulars," and from two to three weeks earlier than outdoor culture can give them.

CATTLE PLAGUE INQUIRY.—The return of the cattle plague in Great Britain, published hy authority of the Lords of the Privy Council, makes the following statements: "The number of animals attacked since the commencesoiled hands were the badges of slavery and meet is 253,820, heing 1 in every 19 of the estimated ordinary stock of cattle; and out of every 1,000 attacks, the results of which have been reported, 862 animals perished.

> in New England, this winter and spring, unless considerable attention is paid to them, They should he continually feel from the last of February till they are able to supply themselves from other sources. After they commence breeding they will consume honey much faster than through the months of December and

Dr. Nessler of Germany, made an analysis is needed. of potatoes of three sizes-the largest about two inches in diameter, the smallest about the

#### GETTING GRAFTS

To those who contemplate improving their fruit stock—and there are many who do-we course accept a gentle reminder, that to be of out out as many young trees as you please and your purses permit; but be sure to put in ation, and their farm talk made as timely as posmore grafts on your old trees, especially If they are growing remiss of duty, and are shy of bearing. By grafting the best sorts on old things at once to be done-entirely too busy stocks, you will get a supply of better fruit much earlier than young nursery trees will give it. Besides, you are twenty times more certain of getting the kinds you want, true to given, will have infinitely more chances of beuame, by procuring grafts from bearing trees than by depending on young ones from nurseries.

Now, during February, is the proper time o procure grafts. Get them at once, from reliable nurserymen, friends, or any one else so that you know to a certainty who you are getting 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 continues cold so that the buds are not started, March, to the middle, will do. Otherwise it will not. So February is the safest season to get grafts. And having them in liand, don't lay them by on a pantry shelf to dry up, nor uuder a shed to freeze to death. hy in a cool cellar, under a litter of fine straw, or the folds of any old woolen garment, in contact with the ground, and a slight covering well conducted journal, until the time-two or of some light soil will assist in maintaining heir vitality.

At the proper time, pnt in, or have them put in, correctly. Three-quarters of all the good grafts set, not murdered outright, are two-thirds killed by tree quacks and charlatan horticulturists. Don't employ any of that class. Get a reliable man who nuderstands his husiness; or, hetter, make an expert of yourself. It is easily learned, and grafting is a very pleasant and profitable pastime. But first get grafts—good grafts. And get them during Fehruary. Remember this.

## MASSACHUSETTS AGRICULTURAL COLLEGE

The difficulties which have embarrassed the progress of this institution appear to have been overcome, and the work is now likely to go forward. The Trustees held a meeting iu Bos-

It seems that a decision has been made in tlie Supreme Court, removing the injunction, upon the payment by the town of Amherst, of the \$75,000 subscribed in aid of the iustitution; and, now that the money is at hand to work with, it will doubtless he easier to progress with the requisite structures.

A contract was concluded with C. M. Whittlesey, of Boston, to creet a dormitory building at a cost of \$30,000, and a hoarding house for \$5,000; and with L. N. Granger, of Hadley, for the construction of a laboratory at a cost of \$9,350. Levi Stockbridge, of Hadley, was confirmed by the Trustees as Farm Superintendent, with a salary of \$1,500. Ten thousand dollars were appropriated, and to be expeuded under the direction of the Building Committee and the Farm Superintendent, for the erection of a suitable harn or barns and other necessary farm huildings, and the repair of some buildings on the place.

the opening of spring, and it is expected that life, to have elegant country homes and conthe college will be in readiness to receive stu dents early in September. One of the departments of the College, that of Botany and Hor-There will prohably be a great loss of hees ticulture, is to be endowed with \$30,000 hy subscription. Of this amount \$20,000 have already heeu subscribed by three geutlemen.

> KEEPING CABBAGES.—A New-Yorker finds this method successful:-Sink a barrel in the ground to within an iuch of the top, cut off the heads and fill the harrel full, put on a found alive and at work, although such worms board to keep out water, and that is all that and insects were never seen in the colony he-

size of a walnut—and found them to contain pointed Prof. Louis Agassiz, of Cambridge, paying twenty shillings a head for every British starch in the following percentage:-Large size and William Clark, of Amherst, members of the State Board of Agriculture.

#### TIMELY TALK

Our contributors heing seusible men, will of yould say to so many as have old orehards, the best service to the agricultural community, the season should always be taken into cousidersible. Farmers are much like all other people with many things to do, and often several with every day affairs to permit the keeping a six months book account in their heads; and so a bit of information, or advice, scasonably ing acted upon than one equally good but weeks or months out of season. Many a valuable agricultural hint has in this way been as utterly lost as though it had passed from the pen to the flames, instead of the press. Others are buried deep in the debris of like unseasonable material; coming casually to the surface, perhaps a second time out of season; or so dim in memory that all their original persuasive force is lost.

This feature applies as well to publications as communications; and is the strongest argument in favor of a weekly agricultural journal. The farmer requires his matter fresh as much as the merchant wants his news and commercial intelligence, or the hanker and broker his every That is not the way to treat grafts. Lay them day financial material; and, as it would be unreasonable to expect a farmer to retain in his mind all the valuable hints he will find in a ten months distant—shall come round when he eau act npon them, the obvious duty of both publisher and contributor is to make every weekly article a seasonable one, and always in time.

#### STRAWBERRIES IN FEBRUARY.

Ox Tuesday, we were presented with a pot of strawherries, the vines laden with luseious fruit. They are of the Triomphe de Gand variety, and were grown in the hot house of John A. Smith, Esq., of Waterford. He promises as specimeus of other fruit at an early day. The strawberries may he seen in our office win-

### PATENTS.

EDWARO FARNUM, of Blackstone, has received a patent for an improved butter-worker. The same geutleman and George W. Scott have received a patent for an improved husking machine.

A NEW WORK BY DONALD G. MITCHELL .-The Horticulturist for this month says:

"The artist-farmer of Edgewood, Donald G. Mitchell, whose charming 'Farm at Edgewood' and 'Wet-Weather Days,' as well as his actual work on his own estate, have proved him masteralike of the poetry, the science, and the practicalities of rural life, is preparing now a volume on landscape gardening and rural emhellishment generally. Nothing could be more timely, or surer of warm welcome, as no one is so well fitted for the work as Mr. Mitchell. Aud if, as we hear, he proposes to offer his services to those wanting special suggestions and plans for the selection and development of private home grounds, and the management of model farms, he will at once, we are sure, become the new Downing of America, and something more. What we need in this country is Work ou the huilding is to commence on to learn how to marry taste with profit in rural duct farm estates with an eye to neatness and heauty, without an annual impoverishing of our purses; and Mr. Mitchell has shown, both by his example at New Haven and his rural writings, that this can be done. The secret is too valuable to be kept to himself."

VERMICULAR.-In New Zealand, as fast as cercals and root crops are planted, the worms and insects that blight and destroy them are fore. The eggs and gruhs of these destructive creatures were introduced into the colony with The governor of Massachusetts has ap-the seed. The New Zealand colonists are now insectivorous hird that is landed alive in the



A HINT IN BREENING.—Mr. Torr, the well-known breeder of Short-Horn eattle and Leicester sheep, in the course of some remarks at the recent letting of the latter, touching on breeding in general, said: "The way to establish uniformity or family likeness is to begin by putting the best male to the best female, and to continue to put the best to the best;" secondly, "not to put opposite characters together, or the traits of both will be lost; but if any fresh characteristic is required to he imparted to the issue of present stock animals, this must be done by degrees, or by that discreet selection which will yield a little more wool, or size and substance, the first year, and a little more and more in the second and third generations, and so on."





## Fireside Readings.

#### A TRUE MAN.

Such was our friend. Formed on the good old plan. A true and hrave and downright honest man!
He hlew no trumpet in the market-place, Nor in the church, with hypocritic face, Supplied with cant the lack of Christian grace: Loathing pretence, he did with cheerful will What others talked of while their hands were still! And while "Lord, Lord!" the pious tyrants cried, Who, in the poor, their Master crucified His daily prayer, far better understood In acts than words, was simply doing good. So calm, so constant was his rectitude. That hy his loss alone we know his worth, And feel how true a man has walked with us on earth

#### THE LOST CHILD.

All along the beautiful German rivers you can see, scattered on the overhanging hills, gray old ivy-colored eastles. Some of them are crumbling into ruins and some are as stately and grand as ever. Dreary enough they look to us, as places to live in, but they have all, been pleasant homes once, for love ean make a home pleasant. In one of these lady and little girl. This lady's husband was a soldier, and had gone away to fight in a foreign war, and so she was all alone except her servants and her child, little Gretchen; that is the same as Margaret, it means a pearl, you know, and she was more precious to her mothmore than her own life. Gretchen had a sweet voice, as many of the German children have, about in the lonely rooms, singing the ballads which her mother used to teach her.

One time her mother was obliged to go to a distant city and leave Gretchen with her nurse. It was the first time in her life that she had left her darling for so long a time. Many were the commands which she gave the servants, to look after and care for her child, but they were careless, and Gretcheu was left to wander around at her pleasure, even outside of the gates of the eastle. It was nearly snnset one afternoon when a band of strolling players, who had been lingering around the castle, were surprised at hearing a sweet baby voice singing over their ballads, and at seeing Gretchen's pretty childish figure among them. Her love of their songs had led her to follow these roving players so far that now it was nearly night-fall, and she could not find her way home; and with tearful eyes she begged little dress of thinnest lawn was but a poor brilliants; the old women's hand grasped it broken miniature. eagerly, but Gretchen's look of agony stopped

"We'll take you home," they said, "but your home is a long way from here.'

So they dressed her like a gipsey child, and and that she wore around her neek still, for the picture was all that Gretchen cared for.

the darling of the castle. They searched for they went back to Germany, and Gretchen, her for many weeks, but search was useless, their own danghter, went with them to be the ing him tightly with one arm, and Tiny, her and finally they said she must have been light of the castle, the snnshine of the Lady cheeks flushed with crying, thrusting her drowned in the river or lost in the forests; Gertrude's heart, as she had been in the years pretty doll into his lap, whispering, "There,

and white with the snows of winter; but it richest of the jewels which had long been the smiling again, Joseph the happiest of all. And she conld bear to hear was the music of Gretchen's sweet, childish voice as it snng in trude's life: "I have found my child." her heart forever. Years went by, and her soldier lord came back from battle, and tried to comfort her in her sorrow; and she went with him to Gretchen's room for the first time since her loss. The room shone clear and bright that evening on the little bed and its suowy covering, and on the pillows where she had so often watched her darling in her rosy sleep; and the mother knelt by the little bed, and prayed earnestly that God would give her back her darling in His own good time, and ful, was balanced upon the ice. Then there help ber to say, " Thy will be done."

They went out together, the knight Siegfried and his lady. And all the land was full of their deeds of kindness. The whole hope of her life seemed to be that she might comfort all who were in sorrow, even as she hoped that God would one day comfort her. But her sorrow took away her strength and health, and eastles, some years ago, there lived a beantiful they went at last, the knight and his lady, to seek for both in sunny Italy. Her sickness was such as no change of climate could cure not even the sweet blue skies of Florence and the breath of its thousand flowers. Yet there was always in her heart a faint hope, that one day her darling would come back to her. It er than many pearls, for lady Gertrude, as grew fainter every day, and she never breaththe people called her, loved that little girl ed it to any one. She was thinking about it one pleasant afternoon in early spring, as she lay on a couch by an open window. They and it made the old castle glad as she ran had taken her there, for she was scarcely able to walk through the rooms; she lay watching the busy crowds in the streets, for it was a feast day, and the flower-girls went in and out among the crowd, bearing their fragrant bur-

"Take these flowers lady," said a sweet voice by the window, and a fair-haired girl, in a festal dress, looked pityingly at her and laid a spray of snowy japonicas npon the windowseat. She spoke in Italian, but not as the natives speak; and although very snnburnt, yet her golden hair and blue eyes looked strangely out of place among the dark eyed Florentines. Something in her voice sounded strangely familiar to the lady Gertrude-something like the echoes which had long lingered in her heart. The flower-girl had given the sweetest flowers in her basket to the sick stranger, and hastened away, trilling, as she went, a few notes of a little song. It was a German, song, the old woman who saw her first, to take her the same that used to echo through the halls in to her mamma. It was growing cold, and her the castle by the river. The lady called her back and asked her all about her home. Was protection. She clasped her hands and cried she a Florentine? She could remember but bitterly: "Take me home, please take me little about her early life. She had not always home. I am mamma's pearl, and if I get lost, lived in Florence. It was a long, long ways she will die; see, that is my mamma," and she off; when she lived far north, when she had a drew from her bosom a little miniature of the mother. She had her mother's picture with Lady Gertrude. It was set with pearls and her, and she drew from her bosom the little

It was there, just as she herself had clasped it on Gretchen's neck, so many years ago; and as the lady looked at it, she scarcely recognized it for her own picture. That was so bright and beantiful, and she berself was worn and led her with them, far away from the Lady faded with long watching and sorrow. She Gertrude, far from the eastle by the shining spoke in German and called her by the endearriver, and far from all the pleasant things ing names that she used to at home, until at which made np Gretchen's home. And when last the flower-girl became conscious of the hain't any mother, like the rest." off. They took the miniature and broke off wept together for the very joy of their hearts. down, that appeal to his better nature; so he sat together in happiness too deep for words. I tiful Christmas had come at last, no more hun-The lady of the castle returned, and there And health and strength came back to the ger and thirsting of spirit now. How the joywas monrning far and wide for the lost child, mother, and before many weeks were passed ous red sparks of fire-light rau up the white but no one dared to wisper it to the lady of gone by. In that Italian city there is a little the eastle, for fear it would break her heart. ehnrch, a perfect gem of architectual beauty; deed, and double-deed, I don't, and then runroses clustered over the lattice and hung in devise. The altar cloth is of pure white vel-immense sacrifice.

was all alike to her; the light of her life had pride of Lord Siegfried's family and her own. faded, and she faded, too. Her harp was nn- In the floor of the church there is set a little tonched in the hall, for the only music which table, telling in a few German words, in a place for Joe among the children; and mothantique characters, the story of Lady Ger-

### "I HAN'T A MOTHER, LIKE THE REST."

The weather had been unusually mild for two or three days before Christmas, so that the ice of the big pond was rather rotten; but daring Harry thought he could brave it; it would be a pity to spoil the fun now, and so many admiring eyes fixed upon him, too! He made a bold dash-his little figure, npright and gracewas a erash! The dangerous cake gave way and with a lond cry, Harry fell amid the rush of ice and water.

The group at the window scemed for a moment paralyzed with horror. Then there was a scattering for the pond, and a screaming and crying from one and all. "He's under the water!—father! father! Harry's going down under the ice!" Every particle of color had gone from farmer May's face; he trembled in every limb, and threw up his hands wildly.— His strength seemed to have ebbed away in the tide of grief. "O help me!" he cried. "My boy-my boy? and I can't swim?"-"But I can!" shouted a voice, brave and clear as an angel's, almost; "I can swim, and I'll save him!" and dashing past weeping mother May, Joseph Craig plunged headlong into the freezing water, swimming for dear life. How they watched him, breathless and excited, their hearts hanging by a thread as it were!-How they shuddered when they saw him grasp once, twice, at a dark object under the water, and then rise, his face gashed and bleeding from contact with the ngly ice corners. He was some way out now, and made a third dive; then there was a faint hurrah, and, breasting the ice, he just managed to swim to the bank, with one arm holding up poor Harry.

"My child! my boy!—thank God!" cried the happy parent, folding him in his arms. They bore him to the roaring fire in the sittingroom, and rubbed him until he opened his Joseph all this time? Sitting on the kitchen the great, painful gashes in his arms and face. from which the blood was still streaming.

"Joseph!" He listened; it was farmer May's voice, unnsually soft and tender. The was aware, a strong arm came round behind and among others, the following: him, lifting him from the floor. He found himself, as if by magic, sitting beside Harry, and Harry's bright head resting on his bosom, with great tears rolling down the grateful boy's checks.

"If there's anything you wish for now, Joseph," said the farmer huskily—"anything you'd like to have, jnst name it, my boy.and given us canse to remember this Christmas before all others. Come, speak ont, my boy. How could he speak, when he felt so happy?

walls, the whole room shining! Harry squeezthere! keep it, Joseph. I don't want it in-

when the Christmas dinner was set on, and all the friends were gathered about it, they made er May could not heap his plate enough with the good things; and the poor lad felt as if he were more ready to cry than to laugh, at all the kindly words which every one had for him.

### ABRAHAM LINCOLN.

ISAAO N. ARNOLD'S "History of Abraham Lincoln and the Overthrow of Slavery" is just published in Chicago by Clarke & Co. Mr. Arnold was long the intimate friend of Mr. Lincoln, and his narrative has a fresh and peculiar interest. We have space only to eopy the following passages:

"The two books which he read most were the Bible and Shakespeare. With these he was very familiar, reading and studying them habitnally and constantly. He had great fondness for poetry and eloquence, and his taste and judgment in each was exquisite. Shakespeare was his favorite poet, Burns stood next. Holmes's beantiful poem, 'The Last Leaf,' was with him a great favorite. The following verse he regarded as equal to anything in the lauguage:

" The mossy marhles rest On the lips that he has pressed In their bloom And the names he loved to hear Have been carved for many a year, On the tomb."

"He made a speech at a Burns festival in which he spoke at length of Burns's poems; illustrating what he said by many quotations, which was listened to with the greatest pleasure, but it was unfortunately never reported. He was extremely fond of ballads, and simple, sad and plaintive music.

"He was a most admirable reader. He read and recited from the Bible and Shakespeare with great simplicity, but remarkable expression and effect. Often when going to and from the army, on the steamers and in his carriage, he took a copy of Shakespeare with him, and not unfrequently read alond to his associates. After conversing upon public affairs, he would take np his Shakespeare, and addressing his companions, remark, 'What do you say now eyes and smiled. Very soon he was able to to a scene from Macbeth, or Hamilet,' and then sit up and talk naturally. And where was he would read aloud, scene after scene, never seeming to tire of the enjoyment. On the last floor, squeezing his wet clothes and rubbing Sunday of his life, as he was coming up the Potomac, from his visit to City Point and Richmond, he read many extracts from Shakespeare. Among other things, he read, with an accent and feeling which no one who heard poor apprentice shook like a leaf; before he him will ever forget, extracts from Macbeth,

> \* "Duncan is in his grave; After life's fitful fever, he sleeps well. Treason has done his worst; nor steel, nor poison, Malice domestic, foreign levy, nothing Can touch him farther.

"After 'treason' had 'done his worst,' the friends who heard him on that occasion, remembered that he read that passage over twice, and with an absorbed and peculiar manner, You have saved us many a year of sorrow, Did he feel a mysterions presentiment of his approaching fate?

"His conversation was suggestive, original, instructive and playful; and by its genial hn-Twice he tried to gulp down the sobs rising in mor, fascinating and attractive beyond comparhis throat, sobs of joy they were. "Only be ison. Mirthfulness and sadness were strongly kind to me, sir," he grasped out at length; combined in him. His mirth was experant, "only drop a kind word now and then, for I it sparkled in jest, story, and anecdote; and the next moment those peculiarly sad, pathetic, she would beg them to take her home, they trnth, and as it all flashed on her mind, she How was it with farmer May? He felt at melancholy eyes showed a man 'familiar with would always tell her that she was going to-sunk beside the conch and buried her face in once what great lack there had been in his sorrow and acquainted with grief.' I have liswards her home, but that it was a great way the folds of her mother's dress; and they two otherwise kindly heart. It quite broke him tened for hours at his table, and elsewhere, when he has becu surrounded by statesmen, its exquisite setting, leaving only the painting, The sunset died over the river and the stars leaned ou mother May's shoulder, and sobbed military leaders and other great men of the came ont in the sky, while mother and child aloud. Joseph sat as if in a dream; his beau- nation, and I but repeat the universally-concurring verdict of all, in stating that as a conversationalist he had no equal. One might meet in company with him the most distinguished men, of various pursuits and professions, but after listening for two or three hours. on separating, it was what Mr. Lincolu said that would be remembered. His ideas and his illustrations were those that would not be forgotten. Men often called upon him for the And so the light of the castle went out for a grateful mother has lavished upon it all that ming away in the corner, her face turned to the pleasure of listeniug to him. I have heard the Lady Gertrude, and all its beauty faded. The wealth could procure or the most perfect taste wall, lest by looking back she might repent the reply to an invitation to attend the theatre, No, I am going up to the White House-I crimson wreaths around her window; then vet, the Lady Gertrnde's bridal dress, and in Well-well, tears cannot always last, and would rather hear Lincoln talk for half an honr they faded and the green pines were heavy its fringes are woven with cunning artifice, the very soon the May family were bright and than attend the best theatre in the country.



A correspondent of the Mass. Ploughman, in reference to the production and management of cream, says:—"The best way to secure the greater quantity of cream, as well as to have the butter come without trouble, is to strain the milk in pans as usual, and let it stand several hours, (from morning until night and from night until the next morning) theu scald it. Have a kettle of boiling water, into which the pan will fit tightly, like a cover, remove your pan gently from the shelf and set it over the boiling water. The steam will soon seald it. It must not be boiled, but hot, the next thing to boiling. Put it back on the shelf gently—remember you are not churning it yet, and in twenty-four hours see the cream you will get. The same process will keep milk sweet longer in hot summer weather.





## Rhade Island Society.

ADJOURNED ANNUAL MEETING OF THE R. I. SOCIETY FOR THE ENCOURAGEMENT OF DOMESTIC INDUSTRY.

The adjourned annual meeting of the above named Society was held Wednesday, February 6th, in Proivdence, the first Vice President, H. W. Lothrop, Esq., in the chair.

In the absence of the Secretary, Hon. Elisha Dyer was appointed Secretary, pro tem.

The Committee appointed to consider the best means of relieving the Society from debt, reported progress, and on motion were con-

Geo. C. Nightingale, Esq., of Providence, and Dr. Wm. H. Brown, of Clayville, were admitted members on the usual terms.

The following resolution offered by Hon. Elisha Dyer, was adopted:

Whereas, It has been announced that the absence of the honored Secretary of this Society from this the adjourned annual meeting, is in eonsequence of the death of a member of his family; it is therefore

Resolved, That the members of this Society tender their sympathy to the Hon. Win. R. Stuples and family for their affliction and hereavement, and that the Secretary pro tem transmit to them a copy of this resolution.

The subject of an exhibition 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 Committee on nomination for officers was presented by the chairman, Mr. O. Brown, and it was voted that the report he received and the persons therein nominated he declared elected. They are as follows:

President.—Wm. Sprague, of South Kings-

1st Vice President-Joseph H. Bourn, of North Providence.

2nd Vice President.—Cyrus B. Manchester, of Providence.

3rd Vice President.—Obadiah Brown, of North Providence.

Secretary and Treasurer .- Wm. R. Staples, of Providence.

Audit and Finance Committee.—Wm. Viall, Edward P. Taft, and Israel M. Bowen.

Standing Committee. - George B. Peck, Oliver Johnson, Rohert S. Burrough, James Y. Smith, of Providence; Elisha A. Lawton, Cranstou; Alfred B. Chadsey, North Kingstown; Amasa Sprague Cranston; Henry Staples, Barrington; Thomas G. Turner, Warren; Wm. B. Spencer, Warwick; Henry J. Angell, Providence; George F. Wilson, East nourishing kinds of food were given." Providence; Seth Padelford, Providence; Charles S. Bradley, North Providence; James D. W. Perry, Bristol; Jno. B. Francis, Warwiek; Royal C. Taft, Providence; Silas Moore, Cranston; Allen C. Mathewson, Barrington; 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

Society, first Vice President, J. H. Bourn, in price of hay is unduly raised, and suffering, the chair. Hon. E. Dyer, was elected Secre- often irremediable and ruinous to the comtary pro tem.

The subject of an exhibition, referred from the Society, was fully discussed, when upon the fodder produced on the farm, and no more. motion of Mr. George F. Wilson, it was voted But this would not preclude the plan of purthat a general exhibition, cattle show and fair chasing fodder - were the money at hand to be held during the ensuing year, and that a do so-with the intention of increasing the committee to whom shall he entrusted the quantity of mannre and the productive power necessary arrangements for carrying this mat- of the farm. ter into e ffect, be authorized to eo-operate as they may deem expedient with the New England Agricultural Society in any action that heard men hoast of wintering a cow of commay he taken for holding a fair in this State during the current year.

into the several standing sub-committees, with the same duties and powers as last year.

On motion of Mr. G. F. Wilson, it was voted that the Secretary be instructed to publish the usual number of eopies of the Society's Transactions for 1866.

On motion of Mr. G. F. Wilson, an executive committee of three persons was appointed to make the necessary arrangements for the proposed exhibition.

Messrs. Amasa Sprague, Obadiah Brown and Lyman B. Frieze were unanimously elected as the Executive Committee, and requested to report their action at the next regular meeting of the Standing Committee.

It was voted that the proceedings of the adjourned annual meeting of the Society, and of this meeting of the Standing Committee, he published in the daily newspapers of Provi-

Adjourned sine die.

## The Farm,

#### EARLY CUT HAY FOR MILCH COWS, ETC.

A CORRESPONDENT of the Country Gentleman speaks as follows of cutting hay in June:

"I willingly state that my experience of over thirty years all goes to prove the wisdom of eutting grass when it is coming into bloom, the folly of waiting till it is going out of blossom, and the downright craziness of letting it stand till the seed is ripe. I am quite certain that when grass is cut early, it is not only the gain of making such a much hetter quality of hay that will gratify the farmer, but the land is scarcely weakened at all; whereas those who follow the suicidal practice of mowing late, rob their land and the afterfeed, cheat every animal that eats' the poor, dry, leafless stuff, and defraud themselves and their families-this is the reason why cornstalks are rated as highly as hay, and why so much meal has to be given to keep store cattle in a healthy condition. So far I can corroborate the statements made, but however good the hay, I have always found benefit from feeding other stimulating food, the extra feed, of whatever kind, always helping to increase milk, hatter, flesh or growth. I have given, at various times, to milking cows, with advantage to the increase of milk and the improvement of the hutter, every kind of meal, pumpkins, mangolds, carrots, cabbage and kohl rahi, and hy doing so, the same quantity of hay would do for three cows, with the extra feed, that would do for two without it; and when I have fed freely with meal and roots combined, it would make a corresponding difference in exact proportion to the extent these

### TOO MUCH STOCK.

It should ever he a rule with the farmer to winter no more stock than he can winter well. A single sheep or cow, properly eared for, and provided with a sufficiency of wholesome and nutritions food, water, and comfortable shelter, will be of more value to the owner than two, poorly kept. It is a singular error in domestic policy, to appropriate to two or more animals the food necessary for one. Yet this singular mistake is often noticeable among those who consider themselves - and are called - good of last year, declined heing a candidate for farmers; and indeed is, or has been, often practised by whole communities. In seasons A meeting of the Standing Committee was of scarcity, more stock is kept than there is held immediately after the adjournment of the food to supply their wants; consequently the munity, is the result. The true policy is to keep just as many animals as will consume

Practices on the farm have greatly changed in this respect, as in many others. We have mon size on a single ton of ordinary hay. Under such a practice, nearly every farm in the On motion, it was voted that the President neighborhood would lose one or more good anibe requested to divide the Standing Committee mals every spring, by some disease induced by turers came forward slowly. Sales 6000 fts Oblo fine at 65c;

want of food and exposure to cold. Swine died, and so did nearly one-half the lambs and calves. Cows and working oxen came out of the winter poor and weak, the former giving but little milk after calving, and the oxen entirely unfit for performing the spring work on the farm. It was a wretched policy. Wetrust that it is ahandoned among all enterprising farmers. Feed your stock well, and they will feed you. - New England Farmer.

The report of the Commissioner of agriculture for January, contains an clahorate compilation of the statistics of wages of farm lahor throughout the country, hased on original returns from every State in the Union. It also includes the territories. The average rate of white lahor without hoard, is made \$28 permonth, or \$15.50 per month with hoard. The average rate of freedmen's labor is \$16; with hoard furnished, \$9.75. The highest rate for States is in California, which is about \$45. Massachusetts pays the next highest, \$38.

## Marriages.

In Woonsocket, Jan. 22d, by Rev. D. M. Crane, Mr. James Augustus Miller to Miss Mary Ann Tweedy. Feb. 7th. Mr. James Battenelor to Miss Mary Jane Bertenshaw, all of Woonsocket.

In Milford, Feb. 3d, by Rev. W. G. Leonard, ASA PICKERING, to ESTER HORTON, both of Bellingbain.

In Holliston, Feb. 4tb, by Rev. J. T. Tucker, Mr. Timothy Walker to Mrs. Sarah E. Warffeld, both of Holliston. In Williamntic, Ct., Jan. 27th, EDWIN NEWOOMB, of William antic, to Miss Polly M. Swiff, of Mansfield. Jan. 26th, W IRVING SWIFT to Miss MARY D. MILLER, of Woodstock.

## Deaths.

In Smitbfield, 11th instant, Stevien Mowey, son of the late taron Mowry, of Smithfield, aged 69 years.

In Millville, Feb 9th, Mr. JOHN MESSENGER, in his 74th year At the Insanc Asylum, Worcester, Feb. 4tb, WILLIAM L. GOUTHWIOR, Esq., in the 40th year of his age; ouly son of the ate Joseph Southwick, of Blackstone. Boston papers please

In Bristol, 4th Instant, ELIZA PITMAN, wife of John Howland Pitman, aged 47 years. 7th Instant, MARY NEWELL, wife of Capt, Joseph L. Gardner, aged 59 years.

In Scituate, 31st ultimo, BARBARA PATT, aged 71 years.

la Milford, Jan. 31st, ADELAIDE S., wife of Orrick 11. Adams, ged 27 years,

In Holliston, Feb. 2d, Mrs. TAMAR BULLARD, aged 75 years In Killingly, Ct., 2d instaat, FRANCIS MADDEN, aged 55 years. In Plainfield, Ct., 27th ultimo, MARIA M. BENNETT, aged 34

In Willimantic, Ct., Feb. 4th, VINE HOVEY, aged 67 years. Iu Mansfield, Ct., Feb. 5tb, PATIENOE MEYER, aged 80 years.

In Slatersville, 29th uit., Mr. ELIAKIM TUUPER BONNELL' aged 25 years, 7 mos. Recently from Stewenske, Nova Scotla-

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending Feb. 15, 1867.] PARM PRODUOTS, FUEL, &c.

may # ton	Wood & cord
Straw 2 ton\$20	Beans # quart13c
Coal & ton\$10 50a12 50	Potntoes90c
Oats # bush85a90e	Onlons90c
GROCER	IES, &c.
Flour\$11a17 00	Raisins
Corn Meal\$1 30	Molasses # gal75a95c
Rye\$1 50	Y. 11. Tea\$1 20
Saleratus10a15c	Black Ten80ca \$1 20
Kerosene Oil80c	Oil # gal
Cheese # 120c	Fluld # gal \$1 00
Butter & lb40, 42a45c	Candles 3 lb
Codüsh8c	Eggs lb doz45c
Java Coffee # 1b25250c	Lard # lb18a20c
Mackerel, new10a12c	Sugar & 1514a18c
*	
MEAT	8, &c.
Beef Steak18a25c	11ams18a20c
Beef, cornedIUalac	Poultry20a28c
Tongues, clear20c	Shoulders15c
Mutton9al4c	Sausages20c

## BRIGHTON MARKET,-FEB. 13.

At market for the current week: Cattle, 1361; Sheep and Lambs, 6948; Swine, -..

PRICES. Beef Cattle-Extra, \$13.25@\$13.50; first quality, \$12.50@\$13.00; second quality, \$11.00@\$12.00; tbird quality, \$9.50@\$10.50 \$7 100 lb.s (tbe total weight of hides, tallow and

Country Hides-9@9%c & B: Country Tallow, 7@7%c & B Brighton Hides, 10@11c ₩ th. Brighton Tallow 7@8½c ₩ th. Lnmb Skins, \$1.25@1.75 per Skin; Sheep Skins, \$1.25@1.75

The supply of Cattle from the West is mostly of an ordinary grade. There is but n few very extra Beeves in market. Prices remain unebanged from our last quotations, and trade has

Stores - There are but a few Stores brought lo this season of the year, except Working Oxen and Milch Cows. Most of the small cattle are sold to slaughter. Working Oxen—Sales at \$145, \$185, \$190, \$218, \$232, \$245

The supply lu market is small, and there is a good demand for

Milcb Cows-Sales extra \$80@100; ordinary \$65@75; Store Cows \$35@50. Prices of Milch Cows depend altogether upon the fancy of the purchasers. There are but a few extra Cows

Sheep and Lambs-Trade is duli. Most of the Western Sheep were taken at a commission. We quote sales of Sheep nt \$2, \$2 25, \$3, \$3 50, \$2, \$5 \$7 head, and 3 to 8c \$7 lb. Swine-None in markel.

#### PHILADELPHIA WOOL MARKET. [For the week ending Feb. 9.]

Stocks now greatly reduced and holders firm, but manufac-

47%c; 12,000 the % blood 61c; 2000 the % blood 56c; 30,000 the % and % blood 56c; 26,000 the common and % blood 49a 55c 3000 the tub 55c; 7000 the lillinois time 50c; 2500 the Pennsylvania fine 62c; 500 sheep pelts 85ca \$1. Woolen yarns quick but 67m of quiet but firm at former quotations.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

THE general nurkets have been characterized by a hetter tone during the week. The money market has been easier, giv-lng a slight impetus to trade. Business is dull, bowever. ing a signt impetus to trate. Business is dull, bowever. Breadstuffs generally are lower and irregular. The demand has been confined to local trade, and we note great irregularity in the prices of flour. The stock is reduced, but is still ample, being estimated at 500,000 barrels. This is large for the season. There has been a marked addition to the supply of California flour which salls at \$43,40,515 a hourse! flour, which sells at \$14 to \$15 a barrel. State flour is abundant, and sells slowly at \$10 to \$13 a barrel; western extrassell at \$10 to \$13 25; sbipping Oblo, \$11 10 to \$10; St. Lonis extras, \$12 75 to \$16 75. Southern flour has declined, and sold at very irregular rates.

BUCKWHEAT FLOUR bus fluctuated, and closes dull at \$3 to

CORN MEAL has sold more freely, and is firmer at \$5.25 for Marsh's caloric, and \$5.50 to \$5.60 for Brandywhie.

PORK has been in moderate demand, chiefly for home use. Prices bave fluctuated somewhat, but are without material change. We quote old mess, \$19.75; new ditte, \$20.75 to

TIEBOR BEEF has been in better demand for export and is

WHISKEY has been less active, business heing nearly all con-

Corfue has been hought more freely, buyers paying the nelvance that was demanded. Realers are anxious to sell, and prices rule bigh. The inquiry is principally from the trade. We quote prime Rio nt 183; fair to good, 16 to 18, gold rates. West ladia grades bave heeu firm but not active.

Molasses has been firm, and for distilling grades holders de-mand an advance. The new crop is arriving more freely, but sells slowly. We quote Cuba Muscovado at 39 to 50 cents: Porto Rico, 45 to 60 cents, and New Orleans, 80 to 87% cents.

There has been a moderate demand for crude petroleum, and the market closes steady at 19 cents. Refined in bond has been moderately active. The supply on band is small. Prices rule firm at 27 to 31½ cents for light straw to prime white.

There has been an improved demand for raw sugars, princt-

pally from the trade, and prices bave advanced.

#### CHICAGO GRAIN AND PROVISION MARKET.

CHICAGO, Feb. 14.—Flour quiet, without decided change. Wheat in limited demand at \$2.15 for No. 1, and \$1.85@1.87 for No. 2. Corn quiet and steady at 81@82%c. Onto dull. Provision market continues quiet, and no recent change. Englsh meats firmly held, but quiet, with sales of Cumberland middles at 9c. Lard quiet and uominal at 11%@11%c. Market for dressed bogs firmer, but the improvement is on light lots; sales range from \$7.40@7.80, closing at \$7.40@7.70, dividing on 200 lbs. Receipts—7,000 bbls flour, 8,000 bnshcis wbeat, 1,000 bushels corn, 19,000 bushels oats, 800 hogs. Shipments-5,800

## PORK AND LARD AT THE WEST.

The Cincinnali Gazette gives the following statement of Lard and Pork at Clacinnati for two last seasons:

The following tables show the receipts and shipments of all articles of hog produce from Nov. 21, 1866, to Feb. 1, 1867, and for the corresponding time in the season of 1865-6. Under the head of bacon is included bulk meats and hams of all kinds. The pork is almost entirely mess pork, but all kinds are included under that bead. Lard, also, includes all kinds of grease:

RECEIPTS.

~—1 <sup>9</sup>	66-67	<del>186</del>	5-66
	Equivalent		Equivalent
Pkgs,	ln lbs.	Pkgs.	lbs.
Lard, bbls5,917	1,183,400	12,513	2,562,600
Lard, kegs1,210	60,500	2,127	106,350
Pork, bbls1,493	298,600	9,330	1,870,000
Bacon, hhds 146	146,000	340	240,600
Bacon, tees 272	81,600	1,570	471,000
Bacon, bxs 41	16,400	23	9,200
Bacon, lbs	1,323,676		2,245,758
Total	3,115,176		7,541,708
	SHIPMENT	3.	
<b>1</b> 8	56-67-	186	5-65
18	56-67— Equivalent	186	5-65 Equivalent
18 Pkgs.		——186 Pkgs.	
	Equivalent		Equivalent
Pkgs.	Equivalent in lbs.	Pkgs.	Equivalent ibs.
Pkgs. Lard, bhis38,280	Equivalent in lbs. 7,656,000	Pkgs. 24,301	Equivalent ibs. 4,850,000
Pkgs. Lard, bbls33,290 Lard, kegs10,679	Equivalent in lbs. 7,656,000 533,950	Pkgs. 24,301 14,352	Equivalent ibs. 4,850,000 717,000
Pkgs. Lard, bbls38,280 Lard, kegs10,679 Pork, bbls31,367	Equivalent in lbs. 7,656,000 533,950 6,273,400	Pkgs. 24,301 14,352 33,758	Equivalent ibs. 4,850,000 717,000 6,751,600
Pkgs. Lard, bbls38,290 Lard, kegs10,679 Pork, bbls31,367 Bacon, hhds9,797	Equivalent in lbs. 7,656,000 533,950 6,373,400 9,797,000	Pkgs. 24,301 14,352 33,758 8,110	Equivalent ibs. 4,850,000 717,000 6,751,600 8,110,000
Pkgs. Lard, bbls38,230 Lard, kegs10,679 Pork, bbls31,367 Bucon, hdss9,737 Bacon, tees4,241	Equivalent in lbs. 7,656,000 533,950 6,373,400 9,797,000 1,302,300	Pkgs. 24,301 14,352 33,758 8,110 3,307	Equivalent fbs. 4,850,000 717,000 6,751,600 8,110,000 1,016,100
Pkgs. Lard, bbls33,290 Lard, kegs10,679 Pork, bbls31,367 Bacon, hhds9,797 Bacon, tess4,341 Bacon, bxs1,902	Equivalent in lbs. 7,656,000 533,950 6,373,400 9,797,000 1,302,300 760,800	Pkgs. 24,301 14,352 33,753 8,110 3,307 2,872	Equivalent ibs. 4,850,000 717,000 6,751,600 8,110,003 1,016,103 1,143,800
Pkgs. Lard, bbls 33,280 Lard, kegs 10,679 Pork, bbls 31,367 Bacon, hhds 9,797 Bacon, bas 1,902 Bacon, bss 1,902 Bacon, lbs Total,	Equivalent in lbs. 7,656,000 536,950 6,373,400 9,797,000 1,302,300 760,800 183,20526,511,655	Pkgs. 24,301 14,352 33,753 8,110 3,307 2,872	Equivalent ibs. 4,850,000 717,000 6,751,600 8,110,003 1,016,103 1,143,800
Pkgs. Lard, bbls33,280 Lard, kegs10,679 Pork, bbls31,367 Bacon, hhds9,797 Bacon, tees4,241 Bacon, bxs1,902 Bacon, lbs	Equivalent in lbs. 7,656,000 536,950 6,373,400 9,797,000 1,302,300 760,800 183,20526,511,655	Pkgs. 24,301 14,352 33,753 8,110 3,307 2,872	Equivalent ibs. 4,850,000 717,000 6,751,600 8,110,000 1,016,100 1,143,800 168,852

These figures show a falling off in the receipts from tho untry this season of 4,429,922 pounds, which is accounted for in part by the lower prices ruling here this season, and in part by the interruptions is means of transportation. hand, the shipments have increased 3,738,503 pounds, over twothirds of which is in the single article of lard. Adding these two items together we have 8,168,235 pounds, at the reduction of stock in exc ss of last se which is o tion of over 36,000 hogs of 225 pounds each; but the increase in the stock on hand at the comm encement of the season, and the number of bogs packed here will compensate for this nearly three-fold.

Excess of shipments...22.396.477

## Advertisement.

TARMERS, ATTENTION.—Will be sold at Auction, at the Gles Farm, South Woodstock, Conn., on Wednesday, March 6, 1867, the following Live Stock and Farming Tools. Sale to commence at 10 A. M.

7 Three tirst class young family Cows, to drop their calves in March; one prince pair of Farm or Driving Horses; one Colt; a set of double-team Harnesses, with other Harnesses. One horse lumber Wagon; I good Carryall; I good Ox Cart, with two yokes; Excelsior Fanning Machine; Ploughs; Harrows; Seed Sowing Machines; Cultivators; I Cast Iroa Roller; and many other labor-saving Machines that are needed on a first class farm.

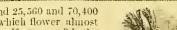
other indor-saving maximize that farm.

Also 2 bays of good Hay, and a lot of Straw: 50 hushels of Jackson Wbite Potatoes, and about 20 bushels of Seed Potatoes, the earliest variety known.

Those wishing to raise early potatoes, would do well to attend sale. Also a variety of Household Furriture.

S. M. FENNER, Auctioneer.

South Woodstock, Conn., Feb. 16, 1867.





Weed Seeds.—In a pint of hrand-clover Professor Buckman detected 39,449 weed seeds; in two pints of Dutch clover he found 25,560 and 70,400 respectively. When seeds are saved wholesale it is often very hard to keep all weeds out; there are so many things, for instance, which flower almost exactly like the turnip; hut even 20,000 to the pint must be due to something more than carelessness. "Save your own seed, then, if you can," is the boot advice to the former. It is trouble when the provided to the former of the f It is troublesome, no doubt; but it must pay somehody to do it-why not you? less for hoeing the next year.

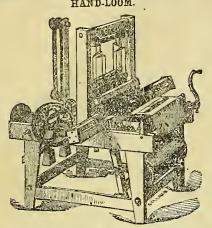






## Miscellany.

MENDENHALL'S IMPROVED SELF-ACTING HAND-LOOM.



THAT we are rapidly becoming practical in reality as faithfully as a picture can do, an original object, is proof positive. In the Mendenhall Improved Self-Acting Hand-Loom, the philosophical and practical combination of simplicity, durability and efficiency, has superseded the earlier features-complexity, force, friction, and consequent liability to frequent disarrangement, more completely than in any other labor-saving machine that we have ever seen or heard of.

As a practical mechanic and mechanical expert, we have given close and continuous critical attention, for more than a year, to the practical performance of the "Improved Mendenhall," and freely coufess we have found no tin sign has been preserved to the present day, feature to find fault with-everything to com-

So entirely simple, disorder of parts is nearly impossible. With so little friction, but trifling power is required to operate it. It weaves by simply turning a crank-a perfect automaton. swings the lathe, springs the treadle, flings the shuttle, nowinds the warp, winds up the woven cloth, and maintains the tension, never making a mis-move; hut making cloth of very 20 to 35 yards per day. Jeans, satinets, tweeds, kerseys, repps, fencing, birds-eye, bagging, toweling, table linen, cotton, wool, hemp cloth, and carpeting, are among the Mendenhall's easy achievements. In the majority of these, the change can be made in two minutes from one style of fabric to another on the same warp. The proprietors of the Philawoven by self-action, the same as any other cloth. No other loom has this improvement,

The farmers, mechanics, and all others wearing "store 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 cloth. The Mendenhall Loom saves to its proprietors all this, besides giving them a better quality of cloth at an average of less than two-thirds the cost of store

For terms and particulars, with samples of cloth, address A. B. Gates & Co., proprietors, 333 Chestnut street, Philadelphia.

sumption. Attend seasonably to the first, if American Review. 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 flaxseed, two ounces which the intercourses of brick arc to be laid. pound raisins, one quart of cider. Boil the accumulation of soot in that chimney The it aside for use. Whenever the cough is trouble- tion of mortar which is exposed, absorbs moistsome, take a table spoonful at a time.—Portland Press.

THERE are but three manufactories of sheet of valuable information. aud bar zinc in the United States. One is at Bethlehem, Pa.

in the river Amazon.

#### DANIEL WEBSTER.

Admitted to the har in his twenty-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 the wave; and the rainbow was woven for Boston he wrote to his friend Brigham: "If I am not earning my bread aud cheese in exactly nine days after my admission, I shall certainly be a bankrupt;" and so indeed it proved. With great difficulty he "hired" eighty-five dollars as a capital to begin husiness with, and distributed over the land. Rivers are o this great sum was immediately lost in its transit hy stage. To any other young man in his situation, such a calamity would have been, for the moment, crushing; but this young man, iudifferent to meum as to tuum, informs his brother that he can iu no conceivable way replace the money; cannot, therefore, pay for the books he had hought; believes he is earning his daily bread, and as to the loss, he has our inventions, the above cut, which represents "no uneasy sensations on that account." He concludes his letter with an old song, hegin-

"Fol de dol, dol de dol, di dol, I'll never make money my idol."

In the New Hampshire of 1806 there was no such thing possible as leaping at ouce into a lucrative practice, nor even of slowly acquiring it. A country lawyer who gained \$1,000 a year was among the most successful, and the leader of the bar in New Hampshire could not earn \$2,000. The chief employment of Daniel Webster, during the first year or two of his practice, was collecting debts duc in New Hampshire to merchants in Boston. His first to attest by its minuteness and brevity the humble expectations of its proprietor. "D. Webster, Attorney," is the inscription it bears. The old Court-House still stands in which he conducted his first suit, hefore his own father as presiding judge. Old men in that part of New Hampshire were living until within these few years, who well remembered seeing this tall, gaunt, and large-eyed young lawyer rise slowly, as though scarcely able to get upon his superior quality, and of eight or nine different fect, and giving to every oue the impression styles, all on the same warp, at the rate of from that he would soon be obliged to sit down from mere physical weakness, and saying to his father, 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 tradition is, that he acquitted himself so well on this occasion that the sheriff was satisfied, delphia "Mendenhall," have recently invented and clients came, with their little suits and a shuttle by which rag carpets can be rapidly smaller fees, in considerable numbers, to the office of D. Webster, Attoruey, who thenceforward 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 Ezekiel a student of law, and died in 1806, prematurely old. Daniel Webster practiced three years in the country, and then, resigning his business to his brother, established himself at Portsmouth, the seaport of New Hampshire, then a place of much foreign commerce. Ezekiel had had a most desperate struggle with poverty. At one time, when the family, as Daniel observed, was "heinously unprovided," we see the much enduring "Zeke teaching an academy hy day, an evening school for sailors, and keeping well up with his class in college beside. But these preliminary To Relieve a Couch.—This is the season for brothers took the places won by so much toil of the Nile, out of which it was made, concolds; and colds are the forerunners of cou- and self-sacrifice. — Mr. Parton in the North tained not only a quantity of animal vegeta-

SALT YOUR CHIMNEYS .- In building a chimney, put a quantity of salt into the mortar with stick liquorice, half a pound brown sugar, half a The effect will be that there will never be any whole down to one pint; strain it off and put philosophy is thus stated: The salt in the porure every damp day. The soot thus becoming damp, falls down the fireplace. Our readers should remember or preserve this little piece the book of Exodus.

> A new style of bonnet has made its apin the top.

### THE RAIN-POWER

The rain-power is steam-power. Older than Fulton, Watt, or the Marquis of Worcester, it has operated from the beginning, since the day when first the sunheam dallied with their bridal robe. We may judge something halsams, taking the form of the bed, but not 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 from its vast magaziues, as its hounties are course fed by the rains, and represent the excess of moisture deposited on the country which they draiu. All the water-power in the world—the stupendous Niagara, the Mississippi, the Amazon, the Nile, the Ganges; every valuable or iuvaluable water privilege that floats Yankee logs, or chokes with Yankee saw-dust; each and all, are but 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 sun-heat 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 South America, down to nothing, on some desert portions of the globe. The New England average is thirtyeight inches. The mean for the eutire surface 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 year hoisted up hundreds of feet into the air, carried, some of it, thousand 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 and feed carefully at first, mixing in some lighter wheels, and springs and pinions of that exquisite piece of machinery, that it never wears out, nor fails to do its work at the right time, he ever used. and iu the right way.'

HEAVY SNOWSTORMS IN EUROPE.—The winter has been as severe in England and on the continent as in the United States. A private letter from Paris, dated on the 13th of January, reports 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 were blocked up, and one fatal collisiou occurred. In London, January 18, another licavy snowstorm occurred. The mercury fell to two degrees below zero, navigation on the Thames was suspended, and the public works at Blackfriar's bridge and the Thames cmbaukment were stopped. No boats had arrived at Dover from Calais for three days, owing to the blockade of the French railroads by snow, and the consequent detention of passengers. The English coal traffic was also impeded.

Anoient Bricks.-Prof. Unger, the celebrated Viennese botanist and palæontologist, has recently published some remarks on the bricks of the ancient Egyptians, especially those of the pyramid of Dashour, which was built about 3,400 years before our era. One of them heing examined through the microscope troubles were now at an end, and both the by the professor, he discovered that the mud ble matter, but also fragments of many manufactured substances, whence we may conclude that Egypt must have eujoyed a high degree of civilization upwards of 5,000 years ago.

An in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c.

Holder's Block, Main Street, Woonsocket, R. I. Professor Unger has been enabled, by the aid of the microscope, to discover in these bricks a vast number 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 making the latter, such as we find it in Herodotus and iu

A CHALLENGE.—Captain W. A. Williamson of Mobile has purchased the race horse Harry pearance in Paris. It is very simple, consist- of the West, and challenges any horse in the Prof. Agassiz found 1,800 varieties of fish ing merely of a silk string with a diamond set United States to meet him in the spring races for any sum between \$10,000 and \$25,000.

VERDURE IN WINTER may be attained, prettily, in front of dwellings, by tastily arranging evergreens of various colors, forms and sizes. A fine 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 single row of low Canada crowded. Outside, a row of arbor-vitæs, or a ring of little red ccdars, very compact and low. Next a circle of bear grass, with its long pointed leaves, so as to make a continuous band of pale green.

THE quality of wool is tested by taking a lock from the sheep's back, and placing it on a surface representing an meh iu length. If the spirals count from thirty to thirty-three in that space the wool is equal to the finest " Electoral" or Saxony wool. The staple is inferior accordingly as it takes a lesser number to fill up the same space.

Cranberries. - Four or five years ago six or seven acres of meadow, in the town of Essex, Ct., were planted with cranberries. Last fall eight hundred bushels were gathered from the

LARGE CROP.-Upon the farm connected with the Deer Island (Mass.) House of Industry, the past year, 41 acres were 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 in 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 feed, till the sheep become accustomed to them, as beans will clog them sooner then any grain

The same amount of study, tact, talent, cnergy and enterprise that suffices to make a man moderately successful in a professional 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 average, \$100 each.

# Advertising Department.

### Rhode Island.

HARMER WANTEN.—A faithful and skillful farmer is wanted to take charge of a farm. His wife to understand making butter and the care of poultry.

Address Box No. 3, Providence Post Office.

3w6.

MILL RIVER IRON WOONSOOKET, E. I.

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NO. 7

Marticulture.



RIBBON-LEAVED JAPANESE MAIZE.

(ZEA CURAGUA.)

most beautiful plant of all the maize family, we are indebted to the courtesy of B. K. BLISS, Esq., the sovereign of New England gardeners to adopt it as a pet plant, and a value in the several compartments. seedsmen. For a general and somewhat inti- able acquisition to our maize list. It will grow mate knowledge of the plant itself, we are indebted to an early Bohemian habit that has in the United States or the Canadas, as in Jacarried as iuto divers corners of the world pan or Southern Chili. We have tested that where the Zea Curagua is grown; for though popularly hailing from Japan, this unique, nseful and ornamental plant, has other homes; in some indigenous, in others adopted; and in the amount of first-class blade fodder will be all so similar in appearance, growth, habits and general characteristics, that, in our opinion, the species are identical, only varied slightly by climate, soil, and more by culture.

In Coclin China it has been grown a thousand years for food for both men and animals. In the great Japanese island of Jesso, in a parallel North of 42°, the plant is considerably enltivated, ripening in about three and a half and experiment with it. months 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 that of 42° at least. Ou the islands of Lake Zitticaea, and the plat-troversy. In the esculent garden the necessity ean of Cuzco, at an elevation of nearly thirgrown as a sacred grain, of which offerings farm, but as the variety is greater, the proper Peruvians, centuries before the Western World was known to have an existence. It is still grown there, no longer as a sacred grain, how- one crop. In the garden, on the contrary, we ever, but as a variety of maize that will ripen cannot appropriate an entire division of the at an altitude where the range of mercury is so low and seasons so brief that no other variety be gronped, so as to occupy the division to will mature its grain.

both civilized and savage.

Iu all these far Southern mountainous regions, both natives and white people make a very good, sweet sugar of the zea, by denuding the make the four divisions or compartments. canes of their foliage and ears just when the latter are entirely developed and in full milk; the process being as simple as simplicity itself-merely beating the cane to a pulp with a boiling it down to sugar, as our Northeru sugarmakers do the sap of the sugar maple.

We are not prepared to assert, positively, that grown in the United States, the zea canes will afford sugar in sufficient quantity to make its culture for that purpose profitable; but our fairly made. Admitting, however, that the For the accompanying illustration of the canes will not produce sugar in remuuerative quantities, the merits of the zea, otherwise, are more than sufficient to induce our farmers and in good soil, under fair culture, as luxuriautly by satisfactory experiment. Then, by closer planting, the produce per acre may be made to average that of any other kind of corn; while double that produced 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 zea 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,

## ROTATION OF GARDEN CROPS.

Written for the Farm and Fireside, R. ROBINSON SCOTT, PHILADEPHIA.

The principle of the rotation of crops has been already treated of in the columns of the "Farm and Fireside," and in regard to the correctness of the principle, there can be no confor rotating the crops, if we would preserve the are a few varieties only, and each field or division of the rotation may be entirely occupied by rotation to one article, so that the erops must In the interior and upper Andean regions of garden allotment be one acre or fonr, or any southern Chili, where the season of growth is other less or greater amount, we should divide as short as that of Nova Scotia, and climatic it into four portions, exclusive of any portion in season a little later. vicissitudes greater than those of our Northern cocupied permanently by such crops as aspar-States, the striped leaf maize, Cana Formosa, agus, rhnbarb, strawberries, herbs, &c., which

is cultivated extensively, grows luxuriantly, be adopted. We shall suppose, for the present, and the grain roasted or boiled while green, that the lot is one acre in extent. We divide and ripe, ground or pounded, and made into it into four compartments of one-fourth of an bread, is the daily food of men and women acre each; as it is most likely to be worked by the spade; and if in form of a rectangle, as it should be, a ceutre walk will separate it into two-and another walk at right augles will

As there are many things required in the garden which will only require a small bed, it is advisable to leave a side border all around, by making a narrow walk five feet from the fence, club; separating the juice in a rude press, and this walk may be three feet wide. We have thus a rectangle, divided into four main compartments, with a border walk. These we shall designate as 1, 2, 3, 4. In No. 1, potatoes are planted, to be followed by cabbages, trausplanted between the rows. potatocs are removed, the cabbages will occupy belief is in that direction, and our conviction the ground, which, in the Fall, after the cabis decided that the experiment ought to be bages are removed, should be ridged, so as to expose the soil to the action of the frost iu winter, and permit the free escape of surface water. We do not, iu this article, design to give the routiue of culture, only to designate the crops

- 2. The potatoes will be succeeded the second season by corn, with Lima beans iu one portion of the division.
- 3. The corn will be succeeded by onions, Spring spinnach, early beets, early cabbages, transplanted, celery, okra; -tomatoes and egg plants are also grown in this division as intermediate 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 removal of the others. This is properly styled unixed culture.
- 4. The variety 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 turnips, and in the Fall, spinnach for Winter or early Spring use.

Several items which are introduced between the hills of other vegetables, have not been mentioned, the object being to designate briefly the main crops in the several divisions.

It is not to be supposed that the inexperiteen thousand feet above the sea, the Zea was fertility of the soil, is just as great as on the manure for each crop; the rotation will con- are perfectly free from exterior moisture, arrangwere made to the Sun-deity of the ancient routine is not so evident. In the farm there manure in each division, and each portion of them immediately between the leaves of a book, beans are to be sown, the mannre must be fully decomposed and well mixed with the soil, as fresh mannre encourages the growth of leaves and stems. Again, all deep rooting vegetables, such as parsnips, carrots and salsify, must be which their nature suits them. Thus, if the grown on the deepest worked soil; that, for instance, where celery trenches have been. There are many further details, which will be are slowly, regularly progressive.

PEACH CULTURE.

In all cases, peach trees should be planted when of one season's growth. The time of planting, whether Fall or Spring, is immaterial. In very severe climates, the Spring would be preferable; but in all the peach-growing belt of the United States, the choice between Fall and Spring plauting is of little account. For orchard planting the ground should be marked out in furrows, about eighteen or twenty feet apart, and the trees planted to about the same depth as they stood in the nursery. The side limbs and tops should be eut off, leaving a straight stem of the desired height for forming a head. If the trees are planted in the Fall, this trimming and topping should be deferred till Spring. Low heads are desirable. When the heads begin to form, proper care should be taken to prune out all unnecessary limbs, leaving three or four limbs in proper position to form the future tree. Shortening in about onehalf the growth for the second and third years after planting, and keeping the inside of the trees elear of useless growth, is all that is required in the way of pruning before the trees commence bearing. The horers, which enter the body of the tree at or a little below the ground, should be removed from year to year. Many remedies for their prevention bave been recommended, but experience bas demonstrated that the best preventive is personal inspection of each tree, and removing with a knife, or other suitable instrument, the borers. Peach trees will succeed in any soil that will grow corn or potatoes, and require about the same cultivation as those crops. No manures are required until the trees have borne their first crop. After the first crop, one hundred bushels of wood-ashes, or three hundred pounds of Peruvian guano, or four hundred pounds of some standard super-phosphate, or four hundred pounds of bone-dnst, to the acre, will restore the trees and prepare them for the next year. -Isaac Pullen, in Agricultural Report.

DRIED FLOWERS AND GRASSES. - Recently. while visiting a lady friend, who has great skill and taste in drying and displaying flowers and grasses, both in bouquets and on paper, we cnced cultivator ean realize from the garden were reminded of how little labor is requisite the returns obtained by an experienced gar- in the practice, and of how much and lasting dener. The mere rotation will do little towards enjoyment they contribute. The process is it, as there must be skill to apply the proper simply care to gather the flowers when they trol the selection of the quality and quantity of ing them carefully and tastefully, and placing the division; as, for instance, where peas and where they soon dry, retaining their colors.-Horticulturist.

> Nothing teaches patience like the garden. We may go round and watch the opening bud from day to day; but it takes its own time, and you cannot urge it on faster than it will. All the best results of a garden, like those of life,

CRANBERRY CROP. - The number of barrels I. H. M. Cochran, of Craftsbury, Vt., raised of cranberries raised and sold in Harwich, Zea Curagua, "Japanese Maize," or whatever remain for several years in the same place. If 52 bnshels of good wheat from two bushels of Mass. last year was 5515, and the price reby conrtesy we choose to call the pretty plant, of eight acres, two four-course rotations may seed sown on one acre and a quarter of land.



The Human Stomach varies much in size—one pint is the average capacity, while there are some able to contain three gallons. This member of the body, being made of thin and elastic material, is capable of great distension. In it the food is mixed with the gastric juice, of which, in the normal state of man, two gallons are formed every day, and are necessary to produce digestion. All stimulants and condiments check the exadation of this juice. Hence the food, lying undigested in the stomach, ferments and evolves carbonic acid gas, which, being absorbed by the blood and carried to the brain, is productive of disastrous results. The use of ardent spirits and tobacco is extremely hurtful.



## The Stock-Yard.



#### HOW TO MAKE MILKERS.

is necessary to reach the highest success in raising milkers. And ean farmers expect ever to raise good stock from eows to which, for the purpose of making them milkers, they have been in the hahit of using any runt of a bull they could 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 advantage, the eourse of treatment in raising a milker is somewhat different from that in raising a beef animal, or an animal for lahor.

The calf should he well fed and petted while young. Well fed, to induce a rapid growth, so as to enable the heifer to come in early; petted, to make her gentle and fond of the presence of her keepers. Fondling helps to ereate a quiet disposition, so important in a dairy cow, and this education must begin

For a milker we would have the heifer eome in at two years old, and if she has been well kept, so as to have attained a good size, she is then old enough to heeome a cow. She will give more milk for coming in early. It forms the habit of giving milk, aud habit, you know, is a sort of second nature. An older hull is hetter. We use too many young hulls. A three or four years old is far hetter as a stock getter than a yearling, and many prefer a five or six years old to any other. After the heifer has come in, let her feed be regular. Clover is preferred 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 cold water in eold weather, hut moderately warm from the stalls, and which can be opened or slop. Calves intended for raising should he taken from the cow within a few days, and they will be less liable to suck when old. Feed them first with new milk for a time, then skim milk, then sour milk, taking care that all from the stall without mixing with the hay in the changes are gradual, hy adding only a the loft.—Lower Canada Agriculturist. portion first, and gradually a little meal.

Calves well fed and taken care of, with a quart or two of meal daily in winter, will he double the size at two years they would have ten seed meal; 1 quart linseed eake. attained by common treatment.

Heifers thus treated may come in at two years old, and will be better than neglected animals at three, and one year of feeding

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 desirable for cows, and they may usually he selected while calves. A dainty ealf will be a dainty cow.

Heifers should beeome accustomed to be butter. freely handled before calving, and drawing the

They will then not be difficult to milk. Begin 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 who milk should keep the nails cut short; animals are sometimes hurt with sharp nails, and are unjustly charged with restless-

To determine which eows are best for keeping, try their milk separately, and weigh their milk and little butter, and vice versa.

#### A SHORT SERMON ON HORSES.

The recent improvements in American architecture have not reached the stables, to the extent that could be desired. Brown stone fronts, high ceilings, marhle mantle-pieces, eostly furuaees for warming and ventilating the dwelling, may please the eye, and promote the health and comfort of the occupants, while the valuable horses of the proprietor arc suffering from the poorly constructed and poorly ventilated

The fault often lies in two directious. The stable may he too tight, or too open. A horse needs light, as well as air and suitable warmth and food, -the vegetable structure hardly uceds light more than he does. Pure air is essential. No matter what hreed you have, something His blood cannot become purified while the air which inflates his lungs is full of foul gasses from fermenting manures. Nor is it enough to keep the stalls clean, if they are so tight that the horse is obliged to breathe his own hreath over and over again. Digestion is interfered with, and all the functions of life are impeded. Lazy grooms declare that a close, warm stable helps to make a horse's coat fine and glossy in winter as well as in summer. But iu winter such a coat is not to be desired. Nature provides the animal with longer hair and more of it, to defend him from the cold. If the horse is well groomed and blanketed his hair will be smooth and glossy enough all the year around. The indolent groom ought himself to be shut up for twenty-four hours in the hot, steaming air in which he would confine his master's horse, and see how he would like it. Open the doors of such a stable in the morning, where several horses are kept, and the hot air and the hartshorn are almost sufficient to knock a man down. What wonder, then, that horses so used should suffer from inflamed eyes, eough, glanders, and other ailments! The wonder is that they bear the abuse so long and so well.

Now, the "improvement" to our sermon is simply this: ventilate the stables. Ventilate, both in winter aud in summer. The outer air should be brought in at eertain places near the floor, but not in the immediate neighborhood of the horse, so as to cause hurtful drafts of wind 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 which ventilators (square wooden tubes) shall lead closed at pleasure. These ventilators should be covered with a cap, to prevent downward eurrents and the beating in of rain. By this plan, the downward rain is carried off directly

Cows.—Feed for Salable Milk.— $\frac{3}{4}$  good hay; 1/4 salt hay; 2 quarts Indian meal; 1 quart cot-

Feed for Cheese.—Clover hay, Indian meal, pea meal, bean meal, linsced cake, bean straw, (steamed) &e.

Feed for Butter.-Indian meal, eotton seed meal, parsnips, good hay, &e.

Feed for Swill Milk, -Salt bay, brewer's grain, brewer's slops, turnips, carrots and po-

TWENTY pounds of hay daily will keep a cow on her feet through the winter.

Beans and middlings are excellent for eows in milk, but too expensive.

ELEVEN quarts of milk will make oue lh. of

Ten pounds of milk will make one lh. Cheese.

SMALL SAVINGS .- The parings of a bushel of jnicy 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 bnckwheat in blossom, can be saved to the amount of fifteen pounds per day, according to the estimate of a German investigator. Rags can be saved to the value of \$60,000,000, as shown by the paper statisties of this country

MANURE, whether for garden use or for hotbutter—for sometimes a cow may give much beds, should be accumulated. When the heap hecomes hot it should be turned to avoid injury. I and the Chittagong for poultry.

## Mates and Queries.

Messrs. Editors of the Farm and Fireside:

I shall undertake to answer, according to the hest of my "knowledge and belief," the questions asked by "X," in the Farm and Fireside for Fehruary 9th.

First, of fowls: "Which is the most profitable hreed to raise for eggs, and which for poultry" For eggs, mix breeds all up together as much as you can—Brahmas, Bremen, Jersey Blues, Black Spanish, Hamburghs, Dorkings, Barnyards, and Bantams. They lay host and longest that way. Such has been my own, and the experience of at least two hundred pretty successful poultrymen whom I have cou-

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 reclaiming worn-out lands?"

There is no such thing in agricultural jurisorudence as worn-out lands. One or two, or three perhaps, elements of fertility may have heeome so far exhausted that the soil will not produce even a minimum 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 than a fashionahly clad individual, with the exception of a pair of dilapidated boots, requires an entire suit to make him au fait. As a general rule, the cheapest and most direct road to maximum fertility in siek soils, is by limiug first; then plowing under second growth of clover, buckwheat, eorn &c., thorough cultivation and cropping with peas, heans and potatoes—something that pays you while the soil is gro.ving rich.

Third.—The hest, and cheapest fertilizers, next to stable manure, depends largely upon locality and quality of soil. On all stiff, clay soils, in conjuuction with harn-yard manure, the flour of bone, if pure and procurable at \$65 per ton, is best and eheapest. On light, loamy and sandy land, lime and marl are the cheapest, probably most efficient fertilizers. But with these, every individual thing about the house, barn, stables, fields and farm, should be utilized as fertilizers. Asbes, ehieken guano, 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 eondition of fertility.

In turn, I inquire of "X," or any one else able and willing to answer:

First.-What are the causes of "blackknot" 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, marketable 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

Fourth.-Ordinary livery stable manure he ing uincty per cent. water, and eosting \$3 for to haul it?

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

ANSWER TO "X" BY ANOTHER CORRESPONDENT.

1.—There is no such fowl as the Bramah. The name Bramah was given them by Dr. Benuett, of New Hamphsire, during the time of the "hen fever," as one of the tricks of the

trade, ahout the year 1854. They had been hred years previous in Rhode Island and in Connecticut, under the true name of Chitta- go without his hreakfast as his bath." gong. They are an entirely distinct fowl from the Coehin China, although hoth of Asiatic

2.—I would raise the Black Spanish for eggs,

3d-Twenty fowls are as many as can be kept profitably together.

4.—Deep ploughing, peat, muck, and ma-

5.—Peat or the best Peruvian guano.

6. - Good peat, if free from organic substance, is worth one-half as much as common barnyard manure, especially on sandy soils. Better to let it lay exposed one or two years to the sun and frost, or it may be mixed with unslaeked or unleached ashes, to destroy the RHODE ISLAND.

## Miscellany.

### LABOR HONORABLE.

LABOR is not only useful, hut necessary and honorable. It makes the framework of society, and is the hasis of civilization. In what consists the chief difference hetween the eivilized man and the savage? The former lahors in one 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 construction of stately mansious, palaees and churches, with all their interior decorations. Not less necessary is labor in its infinite variety of diversions for personal comfort and adorument, whether it he in manufacture of the coarse woolen for protection against cold, or of those rich silks and broeades and laces, the wearers of which, in parlor or drawing room, in court receptions or in the ball room, too often forget the many dexterous hands that labored to gratify their desire for such rich display.

We know not how far the leaven of aristoeraey may be fermenting in the minds of those American citizens who, by wealth and station, may uow he uppermost in society. 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 others, who have plowed, sowed and reaped, spun and wove, plied the hammer on the anvil, and kept furnace and forge a-going to swell their ineomes, and give them leisnre, ease and enjoy-

## LIFE'S AUTUMN.

LIKE the leaf, life has its fading. We speak 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 rejoice at the advent of a new life; if we welcome the coming of a new pilgrim to the uncertainty of this world's way, why should there be so much gloour when all the uncertainties are past, and 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 untried 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 duty wears.

It is the duty of a thing completed; aud as men come together when some great work is achieved, and see in its concluding nothing but gladness, so ought we to feel when the setting sun flings back its beams upon a life that has answered well its purposes. When the buddrops are hlighted, and there goes all hope of the harvest, one may well he sad; but when a two-horse load, how far cau a farmer afford the ripened year sinks 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 back to God in uncomplaining reverenee, we rejoicing that earth is capable of so much gladness, and is permitted such virtue.

> LOVE OF WATER.—Some persons shrink from bathing, hut when they ouee get used to it, it is indispensable. A medical writer says:

> "Let a child wash himself all over every morning for sixteen years, and he will as soon

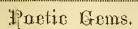
THE currycomb should not be neglected; its exercise on all kinds of neat stock and horses is a great preventive of disease and vermin, and is productive of health.



The honor of setting up the first printing press belongs to Massachusetts. The first newspaper published in North America was the Boston News Letter, begun in 1704 by John Camphell. The Boston Gazette, published in December, 1719, by William Brooker, and printed by James Franklin, was the second newspaper.—Then came the New England Courant. The Bostou Weekly Rehearsal and Boston Evening Post were next established by Thomas Fleet—whose mother was the veritable "Mother Goose." The first newspaper published in Gotham was the New York Gazette, by William Bradford, in 1725. Then came the New York Weekly Journal, which was noted for the raciness of its advertisements.







#### GOOD-NIGHT.

Good-night! a word so often sald. The heedless mind forgets its meaning: Tis only when some heart lies dead We hear in maddening music roll, That last "good-night" along the soul.

Good-night | in tones that never die, It peals along the quickening ear, And tender gales of memory Forever waft it near, When stilled the voice—O crush of pain! That ne'er shall breathe "good-night" again.

Good-night! It mocks us from the grave-It overleaps that strong world's bound, From whence there flows no backward wave; It calls from out the ground, On every side, around, above, 'Good-night, good-night' to life and love.

Good-night! O, wherefore fades away,
The light that lives in that dear word, Why follows that good-night no day?
Why are our souls so stirred? O, rather say, dull hrain, once more "Good-night I thy time of toll is o'er."

Good-night! now cometh gentle sleep, And tears that fall like gentle rain, Good-night! O, holy, blest and deep, The rest that follows pain; How should we reach God's upper light If life's long day had no "good-night."

## Fireside Readings.

#### RAISING FOREST TREES.

Seeds should always be gathered in dry weather, and those kinds which are enclosed in an outer covering, like a butternut, should be spread out in an airy situation till they are quite dry, hefore being packed for transportation. It is also advisable to dry all tree seeds a little, but it must be varied according to the size and natural amount of moisture they contaiu. Those that possess a large amount, either in their eovering or iu the seed proper, are liable to heat if packed in close, air-tight boxes. Baskets and bags, or boxes with small holes bored in them, should be used for the purpose, espeeially if the seeds are to remain in them for several days. Sheets of paper or layers of dry moss, may be placed hetween the layers of seeds to absorb the moisture, when necessary to pack the seeds before they are sufficiently 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 hickory among the larger, may be transported in bags, barrels, or tight boxes; all that is necessary is to keep them dry while on

Seeds that have a firm, horn-like covering, like the loeust, virgilia, etc., 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 indication of its vital- Every one was anxious to sell, and Rothsity; the largest may perish much sooner than the very smallest.

The black walnut, horse-chestnut and hutterunt will seldom if ever grow after the first season, while the virgilia and loeust, which are quite small, will germinate after having been kept for a dozen years. The vitality of all seeds may be retained for a much longer time so hefore the news eame through other chanthan was evidently intended by nature, if they nels, the real issue of the contest. Very soon are placed under the proper conditions. A the funds were higher than they had been dureool, dry, and equal temperature appears to be ing many previous weeks; and Rothsehild the best adapted for the preservation of all found that he had made something like a their vitality, for while a warm, moist one is collected, rather more slowly, hy other tranjust suited to growth, it hastens the death of sactions of a like nature. -Nathan Meyer Rothsthe seeds. For when the germinating powers ehild, by H. R. Fox Bourne. of the seed have once been excited into growth, it canuot be eheeked without injuring, if not wholly destroying its vitality. A warm, dry atmosphere evaporates the moisture, eausing them to shrivel, and thus destroys them.

Some seeds, as the ehestnut, eontain such a large amount of albuminous matter that it is quite difficult to keep the temperature and humidity of the atmosphere just in the right state for their preservation. All such seeds should into the fed too much grain, but roots should be placed in the ground, or on it, soon after be in a measure substituted, and if hard workthey are ripe, and covered with leaves or some ed, feed accordingly.

similar material, following Nature's method, as they receive there the proper degree of warmth and moisture requisite to their preservation, hetter than in any other situation.

There can be no specified time given for sowing all kinds of tree seed, but for a general rule, very soon after they ripen is the hest. It is certainly not always convenient to do so, nor is it always necessary, but with some kinds a delay of a few weeks is almost certain to result in a complete failure. Some kinds of seeds retain their vitality for years, while others for only a few months at most.

The want of specific knowledge upon this point has been the cause of many failures, and will prohably continue to be so until more general information is disseminated.

The red and silver maple ripen their seeds iu Spring or early Summer, about the first to the middle of June in this vicinity, and they retain their vitality for only a few weeks. If sowed as soon as ripe, they will come up in a few 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 varieties of maples are among the few forest tree seeds that absolutely demand immediate plant ing, and theu they grow very readily. -Fuller's Forest Tree Culturist.

### ROTHSCHILD AND WATERLOO.

ROTHSCHILD'S greatest achievement in overreaching distauce and his fellow speculators was in 1815. He was near the Chateau de Hougoumont on the 18th of June, watching, as eagerly as the leaders, Bonap arte and Wellington themselves, the progress of the battle of Waterloo. All day long he rollowed the fighting with strained eyes, knowing that on its issue depended his welfare as well as Europe's. At sunset he saw that the victory was with Wellingtou and the Allies. Then, without a moment's delay, he mounted a horse that had been kept in readiness for him, and hurried homewards. Everywhere on his road fresh horses or earriages were in waiting to help him over the ground.

Riding or driving all night he reached Ostend at daybreak, to find the sea so stormy that the boatmeu refused to trust themselves to At last he prevailed upon a fisherman to make the venture for a reward of £80. In Dover, and at the intermediate stages on the road to London, other horses were in waiting, aud he was in London hefore midnight. Next morning, the morning of the 20th of June, he was one of the first to enter the stock exehange. In gloomy whisper he told those who, as usual, crowded round him for news, that Blucher and his Prussians had been routed hy Napoleon before Wellington had been able to reach the field; that by himself he could not possibly succeed, and, therefore, the cause of England and her allies was lost.

The funds fell, as they were meant to fall. child aud his accredited agents scoffed at all who hrought 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 boxes were full of paper, he announced, an hour or

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

Working Stock, it not employed, should

A Productors Man.—The largest man on record was Miles Darden, a native of North Carolina, who was born in that State in 1798, and who died in Tennessee in 1857. He was seven feet and six inches high, and in 1845 weighed eight hundred and seventy-one pounds. At his death he weighed a little over one thousand pounds. In 1839 his coat was buttoned around three men, each of them weighing over two hundred pounds, who walked together in it across the square at Lexington. In 1850 it required thirteen and a half yards of eloth, oue yard wide, to make a coat. Until 1853 he was active and lively, and able to labor; but from that time was compelled to stay at home, or he hauled about in a two horse wagon. His eoffin was eight feet long, thirty-five inches deep, thirty-two inches across the breast, eighteen across the head, and fourteen across the feet

THE ART OF ENAMELLING is of great autiquity, and its origin unknown. From the remains found on the ornamental envelopes of mummies, it was evidently practiced by the Egyptians. From Egypt it passed into Greece, and afterwards into Rome. The basis of all kinds of enamel is a perfectly transparent and fusible glass, which is rendered either transparent or opaque by the addition of the metallie oxydes. The art of coloring glass seems to he nearly of the same antiquity as the art of making.it, which is proved by the variously eolored glass eorals with which some mummies are decorated. Gorgeous specimens of enamel upon gold were a special department of Byzantine workmanship. The Republic of Venice ordered for St. Marks' Church the most eostly piece that Constautinople could furnish, aud which is still preserved. It consists of a number of delicate gold plates, upon which the Saviour and the saints, with biblical seenes, and the life of St. Mark are represented in enamel of the deepest eolors.

OLD Dr. A-was a quack, a very ignorant one. On one occasion he was ealled by mistake to attend a council of physicians in a eritical case. After considerable discussion the opinion was expressed by one that the patient was convalescent. When it came Dr. -'s turn to speak--" Convalescent," said that way he managed to reach Dover. At he; "why that's nothing serious; I have eured convaleseenee in twenty-four hours."

## Our Book Table.

WOODBURN GRANGE. By William Howitt. T. B. Peterson & Brothers, Philadelphia.

There is something romantic, ideal, fascinating in the writings of William Howitt, who now stands at the head of English nov elists. He may not claim that degree of originality which is exhibited in the writings of Dickens or Thackeray; or the older school of Richardson, Fielding and Smollett; hut for simplicity, elegance and truthful delineation of English country life, he is our especial favorite. WOODBURN GRANGE is a tale of the past; a picture of Quaker life in one of the Midland Counties of Britain. The introduction is charmingly written; the portrait-ures life-like, the plot intricate; and the whole story is carried ont with a masterly hand. We confess it is one of the BEST novels published for many years. The book is printed from the author's manuscript, and is published here simultaneously with the Edition in London. It is a duodecimo volume, handsome ly printed and hound, as are all the works issued by Messrs PETERSON. The same publishers are getting out a new "National Edition" of the complete works of Dickens, of which we shall speak hereafter.

HISTORY OF 104th PENNSYLVANIA REGIMENT.—By W. H. Davis, late Colonel.

We are personally acquainted with the author of this volume; long associated with his gallant regiment, and camped with it on various battle-fields in the late war. Hence, this volume is doubly interesting to us,-for it recalls many tenrful memories, many brotherly affections, scores of dreadful fields of carnage and, also reminds us of the gratitude due to the heroic soldiers who fought down the Rebellion. Colonel Davis has written a truthful history of his Regiment seeds. The humidity of the atmosphere has million pounds by his quiek traveling and and a conjunctive history of the Army of the Potomac, and of the Department of the South while under the company of the also much to do in enabling them to retain elever misrepresentation. Other millions were the Department of the South, while under the command of Gen. Gillmore. The volume is well printed, embellished with numerous engravings, and should have a large sale.

MACKENZIE'S TEN THOUSAND RECEIPTS.—T. Eliwood Zell; Philadelphia.

A cyclopedia of art, and an almost perfect library of useful information to all classes is found in this one volume. We have heen familiar with the work for the past year, having often con-sulted its pages, and always found its information full, accurate and exhaustive. Its trentise on Agriculture is worth twice its cost to farmers; and the halance of its contents will meet the wants of every artist, mechanic, laborer, and even the professional classes. We do not hesitate to pronounce it worth five

DESCRIPTIVE CATALOGUE of choice Vegetable, Agricul tural and Flower Seeds, cultivated and for sale by B. K BLISS, Springfield, Mass.

This is the largest and finest seed catalogue we have seen this season. We cannot enumerate its contents, but advise our readers who are in search of a correct, full, well arranged Cata ogue of different seeds, to remit twenty-five cents to the publlsher and obtain it.

## Marriages.

In Woonsocket, 17th inst., by Rev. J. Boyden, Mr. Joseph L. Barrenter to Mrs. Marseline Decelle.

In North Uxbridge, 4th link, by Rev. J. Barher, Stephen A. Avary do Georgianna G. Carr, both of Milbury; Albert, Rober, of Northhridge, do Annie C. Williams, of North

n North Providence, 16th Inst., by Rev. C. P. Walker, Mr. KE HEALY to Miss Caroling Millett, both of Manton.

In Milford, 12th Inst., Mr. Edward W. Howe to Miss Mary J. Sterle, both of M.

In Webster, 10th Inst., Mr. George A. Slater to Miss Lovisa M. Harrington; 13th Inst., Mr. Lester C. Sprague to Miss Maria C. Davis.

In Lonsdale, 5th ult., ALBANUS CLAPLIN to Miss JANE ARTHUR, both of L.

In Providence, 31st uit., by Rev. Heman Lincoln, D. D., Mr. Horage M. Curtis to Mass Candage M. Southwick, both of Pawticket.

In Providence, 17th inst., Mr. Warren C. Petter to Mary P. Coffin, both of Pawtucket.

### Deaths.

In Cumherland, 14th ult., MURITA COLLAR, aged 70 years. In Johnston, 14th Inst., Anvilla F., wife of Benjamin F. twood, and daughter of Richard and Sylvia Scarle, aged 33.

In Wickford, 12th Inst., Capt. Benoni P. Bates, aged 71 In North Kingstown, 9th inst., Archibald Slogum, aged 67.

In Milford, Mass., 10th inst., LIBERTY COLLINS, aged 16.

In Medway, Mass., 11th Inst., Lewis Fisher, aged 55; 14th ast., Mrs. LUCY, wife of Jeremiah Adams, aged 71.

In Wehster, Mass., Mrs. PATTIE KINGSBURY, aged 76. In Mansfeld, Conn., 7th Inst., PATIENGE MEYER, daughter of the late Nathaniel Viall, of Newport, aged 92.

In Clayville, 12th Inst., Geoege P. Green, aged 24.

In East Providence, 7th inst., MARY, wife of Humphrey ent, aged 86.

In Portsmouth, 18th Inst., RICHMOND CARE, aged 88.

In Mystic Rridge, Ct., 13th Inst., SOUTHA BLAKE, wife of Rev. Ehenezer Biake, of the Providence Conference, aged 78. In North Attlehore, Mass., 15th list., ELIZABETH N., wife of samuel S. Gulld, aged  $43_{\circ}$ 

In Attleboro, Mass., 12th inst., ABBY S., wife of Gilbert F. Newman, aged 24 years.
In Wrentham, Mass., 18th inst., Mrs. NANCY, widow of the late George Brastow, aged 89.

## The Markets.

#### WOONSOCKET RETAIL MARKET.

[For the week ending Feb. 22, 1867.] FAEM PRODUCTS, FUEL, &c.

Hay ⊋ ton. \$38 | Wood ⊋ cord. Straw ₹ ton. \$20 | Beans ₹ quart Coal ₹ ton. \$10 50a12 50 Oats ₹ hush. \$5a90c | Onlons. GROCERIES, &c.

| Flour. | \$1137 (0) Raisins | Growthest | Raisins | Gorn Meal | \$1 30 | Molasce | Rye. | \$1 50 | Y. H.; | Saleratus | 10a15c | Black T | Kerosene Oll | \$0c | Oll \$\frac{3}{2} \text{Cheese \$\frac{3}{2}\$} \text{Ib} | \$24c | Flair \$\frac{3}{2}\$ | \$2 \text{Cheese \$\frac{3}{2}\$} \text{Ib} | \$24c | Flair \$\frac{3}{2}\$ | \$2 \text{Cheese \$\frac{3}{2}\$} \text{Ib} | \$2 \text{Cheese \$\frac{3}{2}\$} \text{Cheese \$\frac{3}{2}\$} \text{Ib} | \$2 \text{Cheese \$\frac{3}{2}\$} \text{Cheese \$\frac{3}

#### BRIGHTON MARKET,-FEB. 19. At market for the current week: Cattle, 660; Sheep and

Lamhs, 2135; Swine. Number of cars over the different roads-Boston and Lowell,

28; Fitchburg, 74. Total, 102.
PRICES. Beef Cattle—Extra, \$12.75@\$13.75; first quality,

\$11.50@\$12.00; second quality, \$10.00@\$10.75; third quality, 9.00@ \$9.50 \$9 100 lbs (the total weight of hides, tallow and dressed beef.)

Working Oxen-Sales at \$150, \$200, \$250@\$300

Milch Cows and Calves-from \$45, 55, 75, 100@125. Yearlings \$20@30; two years old \$40@55; three years old

£60@.75. Trices of Sheep and Lamhs—In lots \$3 00, 3 25@\$3 50 each; extra \$3 75@5 50, or from 4@7%c 3 %.

Hides,9%c 音 tb. Tallow 7c 音 tb.

Calf Skins, 20c 7 lb.

Beef—Extra and first quality includes nothing but the best arge, fat, stall-fed Oxen; second quality includes the hest grass fed Oxen, the best stall-fed Cows and the best three year old Steers; ordinary, consists of Bulls and the refuse of lots.

Sheep-Extra includes Cossets, and when those of inferior quality are thrown out of the iot.

# WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

THE wholesale market has been much depressed during the past week, and nearly every article declined. The more liberal arrival of hreadstuffs, and unfavorable news from Europe, bave added to the depression. The following is a review of the market in its more important features:

FLOUR has been pressingly offered under a stringent money market and liberal receipts. Prices declined from fifty to lghty cents a harrel, closing nominal and unsettled. The stock which is large for the season, has been slightly reduced. The demand has been confined chiefly to local and coastwise trade. We quote extra State at \$9 90@11 40: shipping Ohio, \$10 40@ 11 45; St. Louis extras, \$11 90@15 90; grade, \$10 30:211 90; trade family do, \$12@16.

RYE FLOUR has been in good demand, but closes heavy. CORN MEAL has declined, and closes heavy.

BUCKWITEAT FLOUR Is lower, and closes dull

WHEAT .- The wheat market is very much unsettled, and prices are nominal at the close. Business has been co al millers, who have hought cautiously. The stock has slightly increased, owing to the liberal arrivals from California.

This wheat has been in good demand, at \$3@3 25.

CORN has fluctuated and declined materially, under the decline in gold and favorable weather. Prices are five or six

Ponk is lower, and husiness has been very du

COFFEE -Rrazii coffee has been firm at a slight advance, but the business has not been heavy.

the business has not been heavy.

COTTON.—The cotton market has fluctuated. The receipts here and at the southern ports have heen light. Business has heen only moderate during the week, closing quiet at 33@34 cents for middling uplands and middling New Orleans.

CRUDE PETROLEEM has declined, which has caused an improved deepend. We applied the Section of the Country of the August the Section of the Section o proved demand. We quote at 18:2 18% cents.

WHISKEY has been more active, and prices are firm at 31%

cents for state, in bond.



Progress of California.—The San Francisco Bulletin says that the reports from the district assessors, as far as received, indicate a taxable wealth in the State of more than \$192,000,000—an increase upon the returns of 1865 of nearly \$10,000,000. The total increase of State property values in 1865 was only \$3,678,805. An increase of \$20,410,817 was reported for 1864, but the returns were meagre and incorrect, twenty-two counties, which had sustained great loss, making no returns at all, so that the statement has no value for the purposes of comparison. In 1863 there was a decrease of \$10,530,677, resulting from the drought mainly; and it is improbable that this loss had been recovered and \$20,000,000 added in one year.





## Farmers' Miscellany.

#### FARMERS' LIBRARIES.

Written for the Farm and Fireside, BY ALEX, HYDE, LEE, MASS

WE have given your readers our views of word respecting Farmers' Libraries. know it has been quite fashionable, iu some ignorance and prejudice manifested in the ridicule heaped on agricultural papers and libraries, are so senseless as scarcely to deserve notiee. But we must take men as they are, and if some are ignorant and narrow-minded, they in the discussions, they are very sure to be are just the oues to be looked after. As Christ came not to call the righteous hut sinuers to repentance, 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 undervalue them. If we could gain the ear of one of these declaimers against book farming, we would like to ask him if he thinks his limited experience and observation are worth more than the combined wisdom which we find iu books, derived from the experience of all meu, in all parts of this and other countries, iu this aud all past ages? Such a claim is preposterous, and we are always tempted, when we meet these narrowmiuded men, to say with Job, "No doubt ye are the meu, and wisdom will die with you."-What would we say of the physiciau who should rely solely ou the knowledge derived from his own practice, and discard the accumulated wisdom of all past time and all other practitiouers? Unfortunately we have some such dispensers of medicine, hut we do not dignify them with the name of physicians .-We eall them quacks. But quacks are not confined to the medical profession. We find them in every occupation, and we fear as many in agriculture as elsewhere. We know that practice is esseutial in making a good agriculturist; and equally well do we know that study and practice must be combined to attaiu any eminence in the first and noblest of callings.-What progress would the world make if the experience of oue generation was not handed down by books to the succeeding? But we need not pursue this train of thought further, We sat down to recommend an association of farmers in the purchase of books. Books are expensive, and few can afford to purchase such a library as all ought to bave. Wherever a Farmers' Club is established, there already exists just the association necessary. A Library should be as much the adjunct of a Club, as books are of a school. Those appointed to take part in the discussions, should not rely merely upou their own experience in order to teach their fellows, but should study 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 in the discussions. They rely too much on their own limited experience, and this is a shallow pond from which 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 successful practice. Farmers should study the subjects for disenssion, as the clergy study theirs when they meet in association, or as the lawyer studies his case, before he rises to say "May it please your Houor." If an unstudied case were presented at the bar, we fcar "His Honor" would not be well pleased nor the lawyer much honored; and as every bar has its library, so every Farmers' Club should have its collection of books for refercnee. Such a collection adds greatly to the interest of the meetings; is a boud of union between the members, and will perpetuate the vitality and usefulness of the organization.-

know, for the Club with which we have been manner of cultivating, how far apart where connected these eight or ten years, has now a the rows and hills, uumber of stalks in the library of nearly three hundred volumes. We hill; when the corn came up and what variety first commenced with strictly agricultural it was; when it was harvested, &c., &c. And works; but having exhausted the catalogue of here I have got in exact figures the cost and Tilton & Co. and other agricultural publish- price of everything connected with it; planters, we are now introducing miseellaueous Farmers' Clubs, and now we wish to add a books, in which the wives and children can county to be us, pumpkins and fodder; value of We take more interest. The plan works admira- manure, rent of land, and every item set down bly, and we are satisfied that in uo way can quarters, to decry "book farming;" and the the farming community he more easily and me to raise that piece of corn, and thus whethsurely elevated. The books furuish thought, er it pays me to continue raising it under such and the meetings of the Club give opportunity for full and free veutilation of this thought .-If crude uotious are advauced in the books, or hashed up and fitted for digestion before they are swallowed, en masse. We should like to iu every village throughout the land, and we are certain that the snivelling complaint, now so commou, that farmers are not appreciated, and do not hold the social aud political influeuce to which they are entitled, would no louger be made.

February, 1867.

#### GUESSING IN FARMING.

It is a little surprising that, notwithstanding the improvement in nearly everything apper taiuiug to farming, so little has been effected towards inducing farmers to operate in a systematic manner and keep record and account of their farm operations and business, general ly and specifically. But for one farmer who does so, uinety-nine keep all their accounts "iu their head," and consequently are rightly termed "guess 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 produce at such and such a price or not. They can't tell if it is for their interest to continue such a 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 noiced my occupation:

"What you doin', book-keepin'?"

"Yes, a little. Fixing up my accounts. uppose you keep farm accounts, don't you?"

"Me? no. It's to much bother, I can keep my 'couuts iu my head."

"Don't you think it is better to have somehing you can rely upon?—anybody is apt to

"It's well enough for storekeepers and sich to keep 'couuts, but I don't see no need of a farmer's doiu' it.'

"Isn't it as much for our interest to look after our business as it is for the storekeeper to attend to his?

"Wall, yes, I 'spose so, but wbat's the use of a feller's spending time to write down everyhiug about what he does?"

"It pays Smith."

"I don't see how."

Well, see here. How was your corn crop

"Pretty fair, though the frost burt it some. Shall you plant some more next year?

"Sartin. I allers plant corn."

"What for? Why, because I allers do." Yes, I see. Now, Smith, how much did that field of corn pay you?

"Pay me! Well I guess about-" That isu't it; do you know?

"Well, not exactly, but I cal'late-Never mind, but really, now, do you know

that field of corn?

"Dunno as I do for sartin." "Now look here, Smith. There is my 'cornfield record.' I have written down everything connected with it, and to-day I have summed it all up and I know all about it. Here is the The small tax of one dollar annually on each size of the field, the kind of soil, what grew member, with an occasional donation of a few on it last year, when and how many times it books from some wealthy and liberal friend, was plowed, harrowed and furrowed, and also yield crough milk to merely pay the cost of will soon furnish a library, the value of which the amount and kind of manurc used, how it keeping, another that gives double the amount

bears no ratio to gold. We speak whereof we Theu here is the time of planting; time and BRIEF HISTORY OF MOWERS AND REAPERS iug, hoeiug aud harvestiug; the value of the in full. So I know exactly how much it cost eircumstances.

This is only au example. All other farm operations should be recorded in somewhat the same mauuer, and then there would be an end of the continual "guessing" and "thinking" and ignorance in regard to those things see such a Club, and such a Library, established we should know about -G. E. B., in Working

#### HOW NATURE PROTECTS PLANTS IN WINTER.

During the whole winter season plants are provided by Nature with a sort of winter quarters, which secures them from the effects of cold. Those called herbaceous, which die down to the roots every autumn, are now safely concealed under ground, preparing their shoot to burst forth wheu the earth is softened in the spring. Shrubs and trees which are exposed to the open air, have all tender parts closely wrapped up in buds, which by their firmness resist the frost; the larger kinds of buds, aud those which are almost ready to expand, are further guarded by a covering of resin or gum, such as the horse chestnut, the sycamore aud the balm of gilead.

The external coveriug, however, and the closeuess of their internal texture, are of themselves by no means adequate to resist the intense cold of a winter's night; a bad, detached from its stem, inclosed in glass, and thus protected from all access of external air, if suspended from a tree during a sharp frost, will be entirely penetrated and its parts deranged by cold, while the buds on the same tree will not have sustained the slightest injury.

We must therefore attribute to the living principle 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 and disengagement of heat. How vegetables acquire this property remains for future observation to discover. If one of these buds be carefully opened, it is found to consist of young leaves rolled together, withiu which are even all the blossoms in minature that are afterwards to adorn the spring.

A CEMENT FOR CELLAR FLOORS.—A correspondent 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 inches thick, after which let it lay twenty-four hours, then stamp it with a heavy block of wood three or four times a day, until it is perfectly hard. It is better than eement, as it will not crack or scale off, and the lumps or cinders contained in the ashes do no harm.

GOOD VERSUS 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 thus these farmers, instead whether you made or lost money in raising of being able to take advantage of the seasons as they arrive, are delayed in their work, and serious losses are often the result. The same result is true in reference to steers, sheep, bogs, &c., for while it costs no more to keep a first class animal than a poor one, the difference in value, at the time of sale, often decides the question of profit or loss; and in regard to cows, it is the same; for while one cow will cannot easily be estimated in dollars, as mind was put on aud what I used for top dressing. of the first, will produce a handsome profit.

Most people take it for grauted that reapers and mowers are of quite modern invention. But such a couclusion is far from being correct, Others have supposed that some American Yankee first conceived the idea of constructing a machine for cutting grain with horses or oxen. But history informs us that reapers were in most successful operation before Christopher Columbus first discovered the Western Continent; and that the sickle and scythe, in some of the Oriental countries, had been superseded by reapers that were worked by one 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, who 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 reaping 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 of grain are stripped off between two hatch-

Palladius, an Eastern ecclesiastical writer, gives the following account of reapers in A. D. 391. He says: "Iu the Gallic lowlands they 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 low box of boards is constructed on the wheels, and the boards in front are lower than the rest. Behind this cart two shafts, (or thills,) are fastened, like the poles of a sedan chair. To these au ox is voked and harnessed, with his head turned toward the cart; and the ears or heads are gathered in the box, aud the 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 constructing a reaper. This machine was propelled forward by a borse or ox, clipping the heads of graiu, aud depositing them in a large box, which was emptied when it was full into a storeroom. In the details of this machine, a 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 of the reaper. A boy could manage the machine, and with one horse could cut a swath about two feet wide, or rather more than could be reaped in the same time by six men with sickles.

In 1806 Mr. Gladstone produced a reaper for cutting grain, delivering the straw into garols to be bound. Drive wheels, pulleys, bands, &c., are alluded to in the details of this reaper.

In 1807 Mr. Plucknett constructed a machine in which the horse drew the machine instead of pushing it forward, according to the usual custom of operating reapers. After this period many inventors entered the field with reapers of an improved construction, and in 1822, Mr. Mann, under the auspices of the Highland Society of Scotland, brought forward a new reaper which was worked with one horse, and which could reap ten acres in teu bours.

In 1830 a mowing machine was produced, and soon after that a combined reaper and mower is spoken of. About that time the celebrated McCormick reaper entered the field, astonishing Americans as well as farmers of the Old World. From that time up to the present day reapers and mowers of innumerable forms have come iuto existence, many of which have ended in a total failure, while many others have proved themselves to be a triumphant success, and are now resting on their own intrinsic merits as the ultimatum of perfectibility.

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



Profits of Hens.—Truman Ingalls, Alhany, N. Y., states the result of keeping sixty fowls of mixed breeds for the past year. During the year they were fed one hundred bushels of ears of corn, with the addition of sour milk in the months of June and July. From Jan. 1st, 1866, to the same date 1867, seven hundred and six (706) dozen eggs were sold for \$177; eight dozen were set and fifty used in the family. Forty chickeus were raised. The value of eggs and chickeus was \$209.50. Cost of feed \$60. Profit, \$149.50. Mr. I. estimates that the hen manure applied to corn in the hill will increase the yield of the crop sufficient to furnish food for the fowls.





# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, FEBRUARY 23, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; with out it we could not have manufactures, and should nothave commerce. These all stand together like pillurs in a cluster—the largest in the centre, and that largest is Agriculture,—DANIEL WEBSTER.

#### THE AGRICULTURAL PRESS.

FIVE-AND-TWENTY years ago, one of the editors of the Farm and Fireside published an agricultural journal in Connecticut. It was a monthly publication, and, like its cotemporaries, visited its patrons but twelve times a year. Yet, at that period, a fourth of a century ago, it did not meet the wants of agriculturists. Its advice was not timely; its precepts were often out of season; its notes and snggestions frequently lost, or unnoticed, hecause our issues were "few and far hetween. Judge Buell, a pioneer in agricultural jonrnalism, was publishing "The Cultivator," at Alhany, New York, at the same time, and labored nuder the same disadvantages with ourselves. Hon. Isaac Hill, of New Hampshire, was then publishing his "Monthly Visitor; John S. Skinner was also editing "The Journal of Agriculture," for Greeley & MeElrath, of Tribune fame and notoriety. These three journals, with ours, were all monthly publica-Americau agriculture.

But it was manifest to us, at that time, that a farm journal should be published weekly, instead of monthly. We foresaw that an agricultural paper was wanted every week; that the farmer needed advice oftener than once a month; that he required market reports more frequently; in brief, that be wanted a paper bebdomadal, rather than lunar-one that visited him oftener than the revolution of the moon. Those convictions, founded on experionce five-and-twenty years ago, have heen strengthened by later judgment. Agriculture, like other arts in this country, has advanced with railroad rapidity. We bave improved implements of husbandry; better facilities of sending our produce to market; more valuable grades of live stock; snperior rural iutelligence and an awakened interest in everythese advances toward making the farming places, having in view comfort and economy. class more respected, intelligent, progressive and prosperous, comes the demand for a live, weekly agricultural journal.

Without inteuding to write derogatory of, or detracting from, the moutbly press, we cannot but express our views of their failings and weakness. We bave pleasant memories and reverential respect for the old, lumhering stagecoach; but we prefer the steam car and the iron horse for jonrneys-hoth for speed and comfort. We ouce liked to swing a scythe, and to chase the boys around a two or five acre field of grass; but next Snmmer we sball prefer a mowing machine, with a pair of good borses to do the physical labor of baying. And so on through all the manifold toils and industries of agriculture. We mnst "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.

THE PEAR BLIGHT.—A writer in the Oneida Circular, 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 lowest, dampest land, not underdrained, a large number of the trees were blighted, and and pretty well underdrained, a very few trees were diseased, and none of them badly, while the trees on bigb, rolling land, naturally drained, were perfectly healthy.

weighed 2,500 pounds.

#### FEBRUARY THAWS

There are a good many blessings in an honest, earnest February thaw, that few people ever think of. In the first place, there is a large per centum of the best active principles and defending against frost, than in all the year of fertility in snow. Dissolved by the February thaw, the greater portion of the snow-mannre is deposited in the soil, if unfrozen; on the surface, if frozen; ready to run iu at the and unreasonable thaws and freezings of Febfirst opportunity, giving largely of its fertility to plants, and considerable to all fruit and forest the trees against the latter vicissitudes.

Another, and twenty times more extensive good work of the February thaw, is that it imprudence and begins to assume its Summer quickens into the first elements of active life countless millions of eggs and embryos of inseet pests inimical to grain, fruit and plants; having their lodgmeut near the surface of the soil, nnder loose scales of bark and in divers cracks and chinks, where reached by the genial temperature, they put on prematurely the rudiments of life, and in the sudden freeze-up that mevitably follows the February 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 materially aid the February thaw in this last good service, and now, following the thaw, is the time to set about it. Prepare a bime white-wash, and to give it a warm, or a natural tree-color, add lamp-black,or, hetter, Rosendale Cement, a pint of crude tions; all struggled bard for existence; all petrolenm and an ounce of caustic potash to contributed, more or less, to the progress of every gallou of wash. Then, with wash, brush and scraper, go among the fruit trees. Give Dress down those with loose, rough, ragged coats with 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 February thaw has spared, and the probability is that next sea-

### FAMILY FIRESIDES.

As we intend our Farm and Fireside to visit many a family where a cheery, hlazing wood fire is the rule, burning up brightly in the red, warm complexioned brick fireplaces, instead of glowing anthracite, covered up in black, dreary, cast iron coffins, we offer a bint or thing pertaining to country life. With all two npon the construction of country fire-

> Those who took in band the improvement of fireplaces forty years ago, have played crab; making slow, backward progress, until in this young year of grace, 1867, we bave almost all our fashiouable modern fireplaces as inferior to the old time broad Dutch, or Wcsteru log-cabin, flat-wall affairs, as can be.

Just make a study of our modern "improved" fireplaces. Call philosopby and common sense into service, and the thing becomes an absord monstrosity. A square niche, twelve inches deep, toy mantle three feet high, compressed "throat" three inches or less wide, creating a draught like a blast furnace, and a mite of a dainty bearth that two common sized cats cannot stretch out on without crowding. A fire is hnilt in one of these patent brick boxes, and beginning to blaze up, one mosphere out side, while all the beat a room exempt from similar attacks. can get from such a fire-place is the little that fore-stick.

A more philosophical, common sense fireplace, is oue of more liberal proportions; taking in wood at least three feet in length, with a height of four feet, ample throat, depth sballow at the base, deepening upwards, jambs so many were dead. On land somewhat higher, flaring that the heat is reflected into the room, instead of back and forth inside the jamb line. Then, with a wide, honest hearth, and a bright, blazing fire, there will be a comfortable fireside; a well warmed room, and a saving in the consumption of fuel. To such cosey quarsteers which when less than twenty months old thousands of families, in divers regions where as high as \$40,000 for the famous horse Genwood fires still burn brightly.

#### PROTECT THE PEACH TREES.

From this day forward to that of the final departure of Aretic Jack, the peach tree requires more careful looking after, protecting besides. It is not so much the severe freezing of December and January that cuts off the fruit supply and kills trees, as it is the alternate ruary and March. Nature has provided for winter grain, all low-growing, shallow-rooted the former exigencies, but neglected to fortify

> Like humanity, heated by genial hut untimely sunshine, the peach tree is tempted to early costume. Suddenly comes the changes-eold, biting winds, snow and almost Arctic froststhe poor tree rooted fast, cannot fly to friendly shelter, canuot resume its cast-uside overcoat, or call back in time its discarded winter habit, and so suffers severely for its impulsive impru-

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 freezings, will be a mulching of the spua, covering the roots with some suitable material in sufficient depth to preveut the warmtb of the sun's rays from penetrating to the roots and setting free a flow of sap until such a condition will be safe. For this purpose any coarse, barn-yard litter will answer, the depth laid on being not less than a foot. This should bave been attended to late every tree, of all sorts and sizes, a liquid jacket. last Fall, but as there are many instances in which it was not done, and as it is not yet too late to save the coming crop and serve the trees a good turn, it is worth while to attend to the matter at once. Better expend the labor of hauling a few loads of litter or stable mannre to each peach tree—seeing it may he used son we shall have hetter fruit, freer from elsewhere in the Spring-than run the risk of loosing both fruit and trees hy too early circulation of sap and subsequeut severe freezings.

### A REMARKABLE TREE.

RR. STANLEY L. HAYNES, in a short pamphlet entitled "A Ramble in the New Zealand Bush," tells the following remarkable tree story: The pata tree is said to have a most remarkable tree for commencing its existence. The young plant takes oot in the head of a caterpillar, which hurles itself before it isses for its killed by its strange parasite), and so enables the roung plant to obtain a legitimate and radical nourishment from the soil. In: Haynes possesses four specimens of this lums nature: In three of them the stem grows from the top of he caterpillar's head; in the other it grew straight forward between the eyes, on one of them two stems arise from the head. The caterpillars are three inches long and half an inch in dianter, and are quite dry and brown, without indications of having been at all decomposed. On the contrary, the true and see feet and the eyes and mouth are well preserved.—[Philalelphia Ledger.

The above article annears in the editorial

The above article appears in the editorial columns of one of the ahlest journals in this country. But we cannot permit it to pass without expressing our demnr. There are several obvious errors or misstatements in the paragraph, which the accomplished editors have too hastily endorsed. First, there is no tree which could grow from the hody of an animal organism. In the lower class of vegetables known as fungi, or the mushroom tribe, there is a plant, or fungus, called by botanists Sphoria Robertsa,\* which grows from the head of the caterpillar, or a New Zealand moth; the caterpillar eventually dies, and the fungus, far from being or becoming a tree, is but one of the simple forms of vegetable organizationforming merely a long stem, covered with right angled jamb refracts the heat in a right spores for its reproduction. Similar forms atline over to the other; that sends it back and tack many other animal organisms; such as midway, the strong draught lays bold of and fish, the house-fly, the silk-worm, and, it is snatches it up the chimney, to warm the at-

The spores of these minute organisms are can be coaxed out from the coals under the floating about, and when they alight on an animal surface, from which the epidermis bas heen removed, they vegetate and distribute their root processes through the tissue; others similarly attack vegetable forms; hut in no similarly attack vegetable forms; hut in no has recently painted a small sign for the FARM AND FIRESIDE, case (do we believe) can a seed of a higher which is exceedingly pretty. The vignetic in the head of this tribe of plants-such as trees, or shrubs-vegetate in an animal tissue. Such a process would be retrograding-would be unnatural, unscientific, and against the laws of Divine organism.

\* Vide "Lindley's Vegetable Kingdom," page 40.

THE Maine Farmer's editorial correspondent ALVIN WILKINS, of Stowe, Vt., has a pair of ters the Farm and Fireside hopes to visit bears it stated that T. S. Lang bas been offered eral Knox.

#### THE PARIS EXPOSITION

WE have received the following, and eall the attention of all interested to its requests:

> DEPARTMENT OF AGRICULTURE, Washington, Jan. 25, 1867.

Sin: Your prompt and active co-operation is respectfully solicited in furtherance of the object of the following joint resolution of Congress, approved January 11, 1867:

[Public Resolution, No. 2.] A Resolution to provide for the condition of the Cereal Pro-ductions of the United States at the Paris Exposition, in

April next:
"Resolved, by the Senate and House of Representatives of the United States of America in Congress assembled, That the Commissioner of Agriculture be, and he is hereby, in-structed to collect and prepare, so far as practicable, and with as little delay as possible, suitable specimens of the cereal productions of the several States of the Union, for exhibition at the Paris Exposition, and forward the same, in proper order and condition for shipment, to J. C. Derby, agent of the United States Government for the Paris Exposition, at New York: Provided, that it shall require no further appropriation from the public treasury."

An exhibition such as is proposed of the finest samples of the best varieties of wheat, corn and other cereals, would command the admiration of Europe, as it would assuredly arouse the pride of all Americans, and I regret that this Department has not been authorized to make collections for this purpose until the present time. The Exposition opens on the first of April, and collections should be sent in a few days from the reception of this request to he iu season for proper arrangement, packing, forwarding to New York, and transportation to Paris. You will render the country essential service by immediate and judicious action in this matter.

It is desirable that small packages of the finest samples of the hest varieties of such products of your neighborhood should be forwarded, by mail, in packages of two pounds or less, each distinctly marked with name, donor, local name, and county and State in which it was grown.

Such packages, addressed to the Commissioner of Agriculture, 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; therefore parcels should not he sent hy express in any case, unless at the expense of communities represented.

Very respectfully,

ISAAO NEWTON, Commissiouer.

VERMONT FAIR.—At a meeting of the directors of the Vermont State Agricultural Society, held at Burlington on Wednesday, the annual fair was located at Brattleboro, to be held September 10th, 11th, 12th and 13th,

Profit of Hops.—Mr. H. H. Potter, of Sauk county, Wisconsin, contributes an article to the Prairie Farmer, stating that be raised on four acres of land, \$4.600 worth of bops, estimating the hops at fifty cents a pound. This crop on a Timothy sod.

HORSE-RADISH AS A MARKET CROP. - Peter Henderson, one of the great market gardeners in New Jersey, states that horse-radisb is considered oue of the surest and easiest crops to grow. It is planted in the spring and dug in the fall; sent to market in barrels, and sold hy weight. The sales are from \$500 to \$800 per

SIGN-PAINTING has not reached high perfection in this country. A good half of the "signs" to be seen, in both town and country, are burlesques on the art. Few painters can form perfectly shaped letters; few understand the idea of proportion for proper effect; while still fewer know how to punctnate. It is laughable to see periods doing the service of commas and vice versa. Then the spelling of many painters is wholly original, and of course not to be found in Webster or Worcester. therefore do the public a service in pointing out a good signpainter. Such is GEORGE W. SMITH, jr., of Slatersville. He ournal has been artistically copied, and would do credit to a landscape artist. As this sign speaks for itself, we invite attention to it, in our office window.

ALBERT COMAN SMITH is a duly authorized agent to receive subscribers' names and money for the WOONSOCKET PATRIOT and the FARM AND FIRESIDE.

Woonsocket, Feb. 23, 1867.

LUCIEN ROBERT MESSENGER-or Robert Messenger, as he sometimes writes his name—has not been an accredited Agent for the FARM AND FIRESIDE since February 5, 1867.



AMERICAN INDUSTRY.—The value in gold of the annual products of the people of the United States for the year 1866 was in round numbers as follows: those eggaged in agriculture \$1,609,000,000; manufactures, including all processes between the raw material and consumption, \$917,000,000; mining, \$100,000,000; fishing, \$13,000,000; hunting, \$2,000,000; wood cutting, etc., \$25,000,000; domestic commerce, \$1,500,000,000; foreign commerce, \$190,000,000; net annual earnings or gross increase of money value derived from exchanging products with foreign countries, engaging in improving the face of the country and subduing it to the purposes of society, \$2,400,000,000; total in gold value, \$6,756,000,000, the same reduced to currency, \$9,458,000,000.







## Fireside Readings.

### THE OLD GRIST MILL

The grist-mill stands heside the stream, With hended roof and leaning wall. So old, that when the winds are wild, The miller trembles lest it fall ; But moss and ivy, never sere, Bedeck it o'er from year to year.

The dam is steep and weeded green.

The gates are raised, the waters pour, And tread the old wheel's slippery steps, The lowest round forevermore. Methinks they have a sound of ire, Because they cannot climh it higher

From morn till night, in autumn time, When yellow harvests load the plains, Up drives the farmer to the mill, And back again with loaded wains; They bring a heap of golden grain, And take it home in meal again.

Floats round it on the sultry bree ze. And shineth like a settled swarm Of golden-winged or belted bees ; Or sparks around a blacksmith's door, When bellows blow and forges roar.

I love my pleasant, quaint old mill, It minds me of my early prime, 'Tis changed since then, but not so much As I am by decay and time ; Its wrecks are mossed from year to year, While mine all dark and bare appear.

I stand beside the stream of life, The mighty current sweeps along, Lifting the flood gates of my heart It turns the magic wheel of song, And grinds the ripened harvest brought From out the golden field of thought.

#### WILD BILL'S STORY.

A WRITTER in Harper's Monthly gives an interesting account of the career of a frontiersman named "Wild Bill" during the war. We copy one of the most remarkable of his adventures, premising that he was a man of tremendous physical strength, which had been developed and trained by his mode of life, and that he was an unerring shot. The substantial facts of the affair were told the writer by an officer of the regular army who, an hour after it occurred, saw Bill and his ten dead oppo ents. The story as told by Bill himself is as follows:-

"It was in '61, when I guided a detachment of cavalry who were coming in from Camp Floyd. We had nearly reached the Kansas line, and were in South Nebraska, when one afteruoon I went out of the eamp to go to the cahin of an old friend of mine, a Mrs. Waltham. I took only one of my revolvers with ine, for although the war had broke out, I didn't think it necessary to carry both my pistols, and iu all or nary scrimmages, one is better than a dozen, ef you shoot straight. I saw some wild turkeys on the road as I was goiu' down and popped one of 'em over, thinking he'd be just the thing for supper.

"Well, I rode up to Mrs. Waltham's, jumped off my horse, and went into the cabin, which is like most of the cabins on the prarer, with only oue room, and that had two doors, oue opening in front, and t'other in the yard,

"'How are you, Mrs. Waltham?' I said, feeling as jolly as you please.

"The minute she saw me she turned as white as a sheet and screamed: 'Is that you, Bill? Oh, my God! they will kill you! Run! run! They will kill you!

"Who's a-goin to kill me?" said I. "Tuere's two can play at that game.

"It's M'Kandlas and his gang. There's ten gone down the road to the eorn-rick. They came up here only five minutes ago. -M'Kandlas was dragging poor Parson Shipley on the ground with a lariat round his neck. The the corners, striking and slashing until I knew preacher was most dead with choking and the that every one was dead. borses stamping on him. M'Kandlas knows yer briuging in that party of Yankee cavalry, and he swears he'll cut your heart out. Run, out to the well and drank from the bucket, Bill, run! But it's too late; they are coming and then tumbled down in a faint." up the lane.'

"While she was talking I remembered I had but one revolver, and a load gone out of that. On the table there was a horn of powder and some little hars of lead. I poured some powder iuto the empty chamber and rammed: the lead after it hy hammering the barrel on the tiuy of the morning had failed to discover table, and had just capped the pistol when I heard M'Kandlas shout:

"'There's that d-d Yank Wild Bill's horse; he's here; and we'll skin him alive!'

"If I thought of runnin before it war too late now, and the honse was my best holt-some of them now. I was cut in thirteen help for the Spring and Summer work.

a sort of fortress, like, I never thought I should places. All of them had enough to have let leave that room alive."

The scout stopped in his story, rose from his seat, and strode back and forward in a state of great exeitement.

"I tell you what it is, Kernel," he resumed, after a while, "I don't mind a scrimmage with these fellows round here. Shoot one or two of them and the rest run away. But all of M'Kandlas's gang were reekless, blood-tbirsty devils, who would fight as long as they had strength to pull a trigger. I have been in tight places, but that's one of the few times I said my prayers.

"Surround the house and give him no quarter!' yelled M'Kandlas. When I heard that I felt as quiet and cool as if I was a-goin' to church. I looked round the room and saw a Hawkins' rifle hanging over the bed.

"'Is that loaded?' said I to Mrs. Wal-

"'Yes,' the poor thing whispered. She was so frightened she couldn't speak out loud.

"'Are you sure?' said I, as I jumped to the hed and caught it from its hooks. Although my eye did not leave the door, yet I could see she nodded yes again. I put the revolver on the hed, and just then M'Kandlas poked his nose inside the doorway, but jumped hack when he saw me with the rifle in my

"'Come in here, you cowardly dog!" shouted. 'Come in here and fight me!'

"M'Kandlas was no coward, if he was a bully. He jumped inside the room with his gun leveled to shoot; but he was not quick enough. My rifle ball went through his heart. He fell back ontside the house, where he was found afterwards holding tight to his rifle, which had fallen over his head,

"His disappearance was followed by a yell from his gang, and then there was a dead silence. I put down the rifle and took the revolver, and said to myself; 'Only six shots and nine men to kill. Save your powder, Bill, for the death-hug's a-eomin!' 'I don't know why it was, Kernel, eontinned Bill, looking at me inquiringly, 'hut at that moment things

"There was a few seconds of that awful stillness, and then the ruffians came rushing iu at both doors. How wild they looked with their red, drunken faces and inflamed eyes, more deliberately in my life.

"One-two-three-four; and four men fell

"That didn't stop the rest. Two of them fired their bird guns at me. And then I felt a down with my fist. 'You are out of the way heavy, coarse and stupid; he could not speak for a while,' I thought. The second I shot dead. The other three clutched me and crowded me onto the bed. I fought hard. I broke with my hand one man's arm. He had his to my feet I was struck across the hreast with couversation was so insipid that he never failed the stock of a rifle, and I felt the blood rushing in wearying; he did not even speak correctly out of my nose and mouth. Then I got ugly, of them, and you've no chance. They've jes and I remember that I got hold of a knife and theu it was all cloudy like, and I was wild, and suck his wine. Southey was stiff, sedate, and I struck savage blows, following the devils up from one side to the other of the room aud into

> All of a sudden it seemed as if my heart was on fire. I was bleeding everywhere. I rushed

Breathless with the intense interest with the more thrilling and weird when its hero, seeming to live over the bloody events of the day, gave way to its terrible spirit with wild, savage gestures, I saw then-what my scrugentle exterior.

"You must have been hurt almost to death," I said.

"There were eleven buckshot in me. I carry

ont the life of a man. But that blessed old Dr. Mills pulled me safe through it, after a bad seige of many a long week."

"That prayer of yours, Bill, may have been more potent for your safety than you think. You should thank God for your de-

"To tell you the truth, Kernel," responded the scout with a certain solemnity in his grave face, "I don't talk about sich things ter the people round here, but always feels sort of thankful when I get out of a had scrape."

#### TRUTH AT HOME.

Of all happy households, that is the happiest where falsehood is never thought of. All peace is broken up when once it appears that there is a liar in the house. All comfort has gone when suspicion has eutered - when there must be a reserve in talk, and reservation in belief. Anxious parents who are aware of the pains of suspicion, will place general confidence in their children, and receive what they say freely, unless there is strong reason to distrust the truth of any one. Should such an oeeasion unhappily arise, they must keep the suspicion from spreading as long as possible, and avoid disgracing their poor child while there is a chance of its cure by their confidential assistance. He should have their pity and their assiduous help, as if he were suffering from some disgusting bodily disorder. If he cau he cured, he will become truly grateful for the treatment. If the endeavor fails, means must, of course, be taken to prevent any of his friends. I felt towards Mr. Webster his example from doing harm; and then, as I said, the family peace is broken up, because the family confidence is gone. I fear that, for some cause or other, there are but few large families where every member is altogether truthful. But where all are so organized and that victory was his. I need make no further word, they are a light to all and a joy to all a point of general reliance; and are blessed of Webster's reply. He said simply, but with made easy by universal trust; and within their home and their hearts they have the security seemed clear and sharp. I could think of rectitude, and gladness of innocence.—Harriet Martineau.

### MEN OF GENIUS.

Tasso's conversation was neither gay nor shouting and cussing! But I never aimed brilliant. Dante was either taciturn or satirical. Butler was either sullen or biting. Gray seldom talked or smiled. Hogarth and Swift were absent-minded in company, Milton was very unsociable and irritable, when pressed into conversation. Kirwan, though copious sting run all over me. The room was full of and eloquent in public addresses, was meagre smoke. Two got in close to me, their eyes and dull in colloquial discourses. Virgil was glaring out of the clouds. One I knocked heavy in conversation. La Fontaine appeared and describe what he had just seen; but then he was the model of poetry. Chaucer's silence was more agreeable than his conversatiou. Dryden's conversation was slow and dull, his fingers round my throat. Before I could get humor saturnine and reserved. Cornelius iu that language of which he was such a master. Ben Johnson used to sit silent in company and wrapped up in asceticism. Addisou was good company with his intimate friends, hut in mixed company be preserved his dignity by a stiff, and reserved silence. Fox in conversatiou never flagged; his animation and vivacity were inexhaustible. Dr. Bentley was loquacions, as was also Grotius. Goldsmith "wrote like an angel and talked like poor poll." Burke was entertaining, enthusiastic and interesting in conversation. Curran was a convivial deity. Leigh which I had followed the strange story, all Hunt was a pleasant stream in conversation. Carlyle doubts, objects, and constantly demurs.

into the earth from fifty to ninety feet, there is the tiger which lay coneealed heneath the usually little or no variation; below this line my own shall he a year hence." it is that the internal heat of the earth is perceptible.

#### WEBSTER AND CALHOUN

I was in Washington in the winter of 1830-31, when I painted the portrait of John C. Calhoun. During the sittings, he invited me to come up to the Senate, as there was to be an interesting debate. Mr. Hayne was to speak ou the subject of "Foote's Resolutions" in reply to a short speech of Mr. Webster. I accepted the invitation, and Mr. Calhoun admitted me as one of the many favored ones. Mr. Hayne was most eloquent, and exceedingly bitter in his remarks upon Mr. Webster's speech; and so seathing in his denunciations of New England and her policy, that I felt his sareasms were unanswerable. I think all the friends of Mr. Webster thought so too. The south side of the Senate were vociferous in their applause. At night, I went to see the fallen great man, as I considered him. My daughter was visiting Mr. Wehster's daughter at the time. To my surprise, I found him eheerful, even playful. He had the two girls upon his knees. I told him I expected to find bim in another room, pointing to his library. "Time enough for that in the morning," said be.

Mr. Calhoun gave me another sitting the next morning. He seemed to think the great champion of the North was annihilated. He said it was a pity he had laid himself open at so many points. I needed no invitation to go to the Senate that morning. I went early to the gallery aud secured a seat among the reporters. As Mr. Webster entered the Senate, all eyes were turned upon him. He was elegantly dressed and apparently less excited than as I imagine a criminal might feel who looks to his counsel to save him from punishment for some crime he is charged with. He soon, however, put me at my ease. As he proceeded with his speech, all his friends felt satisfied so trained as to be wholly reliable in act and allusion to this splendid effort, as it is as familiar to all as honsehold words. The next hearts. They are public benefits, for they are morning, I asked Mr. Calhonn what hethought within and without. Without, their life is great emphasis, "Mr. Webster is a strong man, sir, a very strong man."

## WEBSTER AT HOME.

Webster's family dinuers were always charming. We always found sumptuous fare, though not elaborate. Often the great feature of the feast would be chowder or dun-fish, both of which dishes he excelled in. One day I was admiring and praising the latter, and asked him where he procured them. He said from his friend, Charles Cutter of Portsmouth, N. H. I said that I got my fish from the same gentleman, but they did not seem to be of the same quality; but perbaps they were not as skilfully cooked. Thereupon he gave a detailed history of the fish, mode of curing, &c. Then he entered into a minute description of the way of cooking it, ending with, "Have ready good, mealy potatoes, beets, drawn butter, and oil; have it all served up hot, and then send for Ashmun and me.'

I had a few bottles of old Scotch whiskey, such as Wilson and Scott have immortalized under the name of "mountain dew." This beverage is always used with hot water and sugar. I put a bottle of this whiskey into my overcoat poeket, one day when I was going to dine with Mr. Webster; but I thought, before presenting it to him, I would see who was in the drawing-room. I put the bottle on the entry table, walked into the drawing-room; and seeing none but the familiar party, said "I have taken the liberty to bring a Scotch gentleman to partake of your hospitality to-day." "I am most happy, sir," was the reply. I walked hack to the entry, and pointed to the bottle. "Oh!" said he, "that is the gentleman that bathes in hot water."-Chester Harding's Autobiography.

"Is it possible, Miss ----, that you don't know the names of some of your best THE HEAT OF THE EARTH.—Descending friends?" inquired a gentleman of a lady. "Certainly," she replied; I don't know what

In seeking a friend, is it not natural to look for one who possesses not only the greatest Now is the time for farmers to secure good power but the strongest will to serve those who ask his favor? Where is such a friend as God?



Shipbuilding.—A well-known New York ship-huilder, in commenting upon the present depression of that interest, says that one of the great causes which produce the present dullness of trade is the unprecedented and very extraordinary advance, since the commencement of the rehellion, in the prices of all materials and labor required for the construction of vessels, ranging in those composing the principal part of the vessels, from fifty to sixty per cent., and for labor about seventy-five per cent., to which must be added the well known fact that less daily and individual labor is returned for the increased wages than formerly when less wages was paid.







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## Various Matters.

#### THE LARGEST FARM IN THE WORLD.

A Buenos Ayres correspondent gives the following account of his visit to the great estancia or monster farm of Senor Don Jose de Urquiza ;

The only iudication that we have reached its border is that on each hand, at the distance of three hundred yards from each other, making an avenue of similar width, there are planted trees designed to form an avenue the eutire distance to the estancia-house, eleven miles. As we travel onward the cattle iuerease in numbers, and ostriches, solitary or in groups, come up near us, or slowly eross our road. These birds are thus tame, because the General has ordered that not one 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 General there is a permanent eneampment of soldiers under his immediate command.

The residence has received the name of San Jose, after its ehoseu patron saint, St. Joseph. The huildings are one story high, of brick, and are built around two large squares. The open space is paved with sandstone, and four sides are occupied by 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 extensive array of parlors and private rooms provided for the large family and innumerable visitors.

On entering the garden there was a beautiful array of exotic plants, from every quarter of the globe. Aviaries filled with gay birds of sweet voice adorn the garden. I need not mention the uames of rare plants, but from the extreme 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, nectarines, 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 about seventy-five yards square, and from twenty to thirty feet deep. The walls are of most substantial double work, and stamped with clay between. The water is to be brought about one mile from a neighehinery. On this lake there will be a little food. Their office is to moisten and prepare steamer, where the sons destined for the navy will learn engineering and make mimic voyages. The estimated cost of the lake is \$100-000, in silver.

The chapel, intended for worship by the family, will seat about sixty persons, and the eostly appointments of vestments, precious ble. stones, silver furniture, fine paintings, pianos, &c., altogether must have cost at least beyond the sum of \$50,000 in silver.

The avenue, of eleven miles leading up to the front of the house, is suggestive of amplidred square leagues, or nine hundred square mouth, and the amount of sweets consumed. ted a profit of \$700 from his orchard.

miles, that form the unbroken body of the farm. Over this immense tract of unsurpassed land countless thousands of eaftle and horses and sheep are grazing. Of cattle, the farm sends to the slaughtering establishment of the same owner fifty thousand animals annually. His horses would supply the cavalry of a large army, and from the wool of the sheep, ships are aunually loaded and sent direct to Eu-

Other tracts of land in other parts of the province are owned by him to a very large extent; but I am speaking only of the San Jose estancia, the farm occupied as the owner's residence.

In all that province, though not now holding a civil office, nor on military duty, General Urquiza is yet regarded as legitimate ruler, civil and military; and hardly assuming anythiug, 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 thousand men, ready for any cause that he should deem worthy of their steel. The estancia of San Jose is alone iu the world for extent and for culture under the owner'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 of greater unauimity among its inhabitants.

VARNISH FOR SHOES .- It is a bad 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 better to make a varnish thus:

Put half a pound of gum shellac, broken up in small pieces, in a quart bottle or jug. cover it with alcohol, eork it tight and put it on a shelf in a warm place; shake it well several times a day, then add a piece of gum camphor as large as a hen's egg; shake it well, 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 use. If it gets too thick, add alcoholpour out two or three teaspoonsful in a saucer and apply it with a small paint hrnsh. It the materials were all good, it will dry in about five minntes, and will be removed only by wearing it off, giving a loss almost equal to patent leather.

The advantage of this preparation above others is, it does not strike into the leather and make it hard, but remains on the surface and yet excludes the water almost perfectly.

This same preparation is admirable for haruess, and does not soil when touched, as lamb black preparations do. -[Hall's Journal of Health.

A WRINKLE ABOUT THE AGE OF HORSES, -A short time ago we met a gentleman from Illinois, 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 readers. It is this: after the horse is nine years old, a wrinkle comes on the eyelid at the upper corner of the lower lid, and every year thereafter he has one well-defined wrinkle for each year over nine. If, for iustance, a horse has three wrinkles, he is twelve; if fonr, he is thirteen. Add the number 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 many people have horses over nine, it is easily tried. If true, the horse dentist must give up his trade.

it for the stomach. For this purpose they secrete three pints of saliva during every twentyfour honrs. Liquids taken during the meals usurp their place while they do not discharge their functions. Hence drinking during the and weeded it before it was foul. Seldom has time of eating is to be avoided as far as possi-

THE TEETH are, if used properly, fitted to last a hundred years and still be in good order.

#### COMMERCE OF THE WORLD.

France exports wines, brandies, silks, fancy articles, jewelry, clocks, watches, paper, perfumery, and fancy goods generally.

ITALY exports corn, oil, flax, wines, essences. dye stuffs, drugs, fine marble, soap, paintings, eugravings, mosaics and salt.

Prussia exports linens, woolens, zine, articles of iron, copper, brass, indigo, wax, hams, musical instruments, tobacco, wines and porcelain.

GERMANY exports wool, woolen goods, liuens, rags, corn, timber, iron, lead, tiu, flax, hemp, wines, wax, tallow and cattle.

AUSTRIA exports minerals, raw and mauufactured silk, thread, brass, grain, wax, tar, nut-galls, wines, honey and mathematical in-

ENGLAND exports cotton, woolen, glass, hardware, earthernware, cutlery, iron, metallie wares, salt, coal watches, tin, silks, and

Russia exports tallow, flax, hemp, flour, irou, copper, linseed, lard, bides, wax, dnck cordage, bristles, furs, potash and tar.

SPAIN exports wine, braudy, oil, fresh and dried fruits, quicksilver, sulphur, salt, saffrou, cork, anchovies, silk, and woolen goods.

HINUOOSTAN exports silks, shawls, carpets, opium, saltpetre, pepper, gum, indigo, cinnamon, cochineal, diamonds, peurls and drugs.

Turkey exports coffee, opium, silks, dried and greeu fruits, drugs, gums, tobacco, wines, camel's hair, carpets, camlets, morocco and

Mexico exports gold and silver, cochineal, indigo, sarsaparilla, vanilla, jalap, fustic, campeachy wood, pimento, drugs and dye stuffs.

Brazil exports coffee, judigo, sugar, rice, hides, dried meat, tallow, gold, diautonds and other precious stones, gums, mahogany and iudia rnbber.

West Indies export sugar, molasses, rum, obacco, cigars, mahogauy, dye wood, coffee, pimento, fresh fruits and preserves, rubber, way, ginger and other spices.

Switzerland exports cattle, cheese, butter, tallow, dried fruit, lime, silks, velvets, laces, jewelry, watches, paper, gunpowder aud faucy

East Indies export cloves, nutmegs, mace. pepper, rice, indigo gold dust, camphor, benzoin, sulphur, ivory, rattans, sandal wood, zinc and nuts.

United States export principally agricultural products, cotton, tobacco, flour, rice, provisions of all kinds, lumber, turpentine and wearing apparel.

To Economic Housekeepers,-By using a large handful of powdered borax to every ten gallons of water, a saving of about fifty per cent. of soap is effected in washing. Borax does not injure fabrics, and has long been used to clean the hair, also as a dentrifice. As good tea cannot be made from hard water, a medical paper recommends the use of a teaspoouful of borax to an ordinary sized kettle of such water, in which it should boil. The saving in the quantity of tea used will be at least one-

LOCATION OF COUNTRY DWELLINGS .- Observation shows that people living in houses located east or northeast of ravines, where vegetation is luxuriant and miasma is engeudered, are liable to agues and other miasmatic diseases, while people living on the opposite side, at the same distance, are emtirely exempt. The rea-Drinking at Meals.—The salivate glands son is that the prevailing winds, during the boring river, and it will be elevated by ma- are an important agency in the ntilization of season of decomposition, are from the west and southwest.

> THERE is profound wisdom in the saving of an Euglish farmer, that he fed his land before it was hungry, rested it before it was weary, so much agricultural knowledge been condensed in a single sentence.

REAPING THE HARVEST.—Industry is always game in the woods. How is it that they so commonly fail us before profitable. A Maine newspaper relates that a middle age? The answer is found in the boy in that State, who some years ago amnsed tude beyond, and there is the area of one hnn- large quantities of hot liquids taken into the himself by planting apple seeds, last year net- meal or oil-cake when they begin to shed their

### A VALUABLE HINT FROM AN INSECT

It has been said that the operatious of the spider suggested the arts of spinning and weaving to man. That may be doubtful, but it is quite certain that to a hint from an insect was due the invention of a machine instrumental in accomplishing one of the most stupendous works of modern times-the excavation of the Thames Tunnel. Mark Isambard Bruuel, the great eugineer, was standing one day, about half a century ago, in a ship-yard, watching the movements of an animal known as the Teredo Nevales-in English means the naval wood-worm-when a brilliant thought suddenly occurred to him. He saw that this creature bored its way into the piece of wood upon which it was operating, hy means of a very extraordinary mechanical apparatus. Looking at the animal attentively through a microscope, he found that it was covered in front with a pair of valvular shells; that with its foot as a purchase, it communicated a rotary motion and a forward impulse to the valves which, acting upon the wood like a gimblet, penetrated its substance; and that as the particles of wood were loosened, they passed through a fissure in the foot, and thence through the bedy of the borer to its mouth, where they were expelled. Here, said Bruncl to himself, is the sort of thing I want. Can I reproduce it in au artificial form? He forthwith set to work, and the final result of his labors, after many failures, was the famous Boring Shield, with which the Thames Tunnel was excavated. This story was told by Brunel himself, and there is no reason to doubt its truth. The keen observer can draw useful lessons from the humblest of the works of

Ruskin says: Shakspeare has no heroeshe has only heroines. There is not one entirely heroic figure in all his plays, except the slight sketch of Henry the Fifth, exaggerated for the purposes of the stage, and the still slighter Valentine in the "Two Gentlemen of Verona." In his labored and perfect plays you have no hero. Othello would have been oue, if his simplicity had not been so great as to leave him the prey of every base practice around him; but he is the only example even approximating the heroic type. Hamlet is indolent and drowsily speculative; Romco an impatient boy. Whereas there is hardly a play that has not a perfect woman in it, steadfast in grave hope and errorless purpose. Cordelia, Desdemoua, Isabella, Herurione, Imogene, Queen Katherine, Perdita, Silva, Viola, Rosalind, Helena, and last, and perhaps loveliest, Virgilla, are all faultless.

ANECDOTE OF WHITTIER .- An anecdote of John G. Whittier is told by the Boston Transcript as follows: On a recent occasion he was traveling with a friend over a New Hampshire railroad, and during conversation, Mr. Whittier's friend, who is also a member of the Society of Friends, told the poet that he was ou his way to contract for a lot of oak timber, which he knew would he used in building gunboats at Portsmouth, and asked him whether he thought it was exactly in consistence with the peace doctrines of the Quaker denomination. Without saying auything calculated to decide the question, the two friends arrived at their parting place, when Mr. Whittier, shaking his friend's hand, said: "Moses, if thee does furnish any of that oak timber thee spoke of, be sure

To Stop a Fit of Coughing.—A correspondent of the London Medical Gazette states that, to close the nostrils with the thumb and fluger during expiration, leaving them free during inspiration, will relieve a fit of eoughing in a short time. In addition to the above, we state, from personal knowledge, that to press the finger on the upper lip, just below the nose, will make the severest premonitory symptoms of a snecze pass off harmless. We have found the remedy useful many a time in creeping on

BEEF STOCK should have a little increase of



MILWAUKEE AS A MANUFACTURING CITY. -- Milwankee is not only famous for its lager-beer, said by connoissenrs to be the best in the world, but has made considerable strides in the way of iron mannfactures. The Boston Commercial Bulletin condenses an exhibit of this branch of Milwaukee enterprise from the Sentinel of that city. From this it appears that nearly 1,500 men are eugaged in iron manufactures in Milwaukee. \$700,000 are invested, and the annual product is valued at \$1,500,000. New rolling mills are to be erected there this spring, which will give employment to five hundred meu. Near Milwaukee there is a large bed of the finest iron ore, which, when mixed with the Lake Superior ore, makes the best combination for rails.





## The Field.

LIME.

ITS APPLICATION, ACTION AND EFFECT

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGEOVE, PA.

Nor long since, one of the agricultural journals contained a communication upon the action of lime, in which the writer held out the idea that the time for applying lime was not lime-kilns and quarries, has been well limed material, but that the main thing was to get it on. From this opinion I must beg leave to differ: for, I believe that there are certain conditions of land, certain kinds of land, and certain times when the application of lime will not only produce no visible effect, or if it does, only an injurious one.

Many of our practical farmers, judging from their actions, scem to have the idea that lime is a manure, aud very often a man's skill in which he uses; this, as I will endeavor to demonstrate, is a may-he wrong. In my own ncighborhood lime is couveuieut, and can be obtained as cheaply as in most portions of the State; aud, of course, a large amount is made use of, and is usually applied indiscriminately to all kinds of laud and to all crops. It is an who has quit liming, I will show you a farm which is going down hill;" which, though accepted and believed by the majority, I am not willing to admit without some qualification. -Lime not heing a mauure, can only act as a stimulant; and, hence, if it has not the proper materials to act upon, it caunot produce its usual effect; poor land may he hrought up by the judicious use of lime, hut only in conuection with a corresponding application of manure; the first application will increase the amount of vegetable matter; and if this is carefully converted into mauure, without hein the productiveness will be the result, but if, on the other hand, this increase or surplus is sold or removed from the farm, it is just so much removed from the soil; and, of course, this continued removal, with or without the

In my opinion, land may he limed down as well as worked down, notwithstanding the old turned under. saying that "lime will always pay twelve per cent." If we apply lime, and at the same time sell all the grain and a part of the hay, we will enriches the fathers but impoverishes the sooner or later exhaust the supply of vegetable children;" this, in far too many cases, is true matter in the soil (which by the action of the lime is changed into grain and straw), and reach a point at which the repeated application creased crop removed from the farm until the of lime will produce no effect; finding out too application produces no effect, and then, and late that we have been drawing on our principle instead of waiting until the interest is duc. feeds the increase on the farm and converts it same result. into manure, will find that he is not only reap-

to its action upon the partially decayed vegeta- in getting drunk, hut in getting sober." ble matter in the soil, reason would lead us to the supposition that the best time for its appli- by the use of lime in coujuuction with barncation is when this matter exists in its great- yard manure; and in no way cau the amount est quantity; in our usual rotation of corn, of the latter be so quickly increased as hy the oats, wheat and grass, we have two periods at use of hone, either in its pure form or in that which vegetable matter abounds in the soil, of a phosphate; ou no crop will bone make an viz:-where we turn the sod under for corn, effect quicker than on that of grass, and there and after we apply manure to the wheat. To is no crop better or that will increase the maohtain the full benefit of the first of these pe- nure pile faster than hay; - all know that mariods, the lime must be applied before the corn in ure made from hay is worth double or treble crop is planted; and to obtain the benefit of that made from straw alone; and, hence, the other, the proper time would seem to be where the improvement of the land is the obwith, or immediately after the manure which ject in view, it cannot he sooner attained than has been applied to the wheat crop.

But in applying lime at the latter period, there are other considerations to which we must attend: where the manure is put on in will follow in due time, and in a regularly inthe above rotation, and lime applied immediately afterwards, we will obtain a large may be disposed to experiment. growth of straw at the expense of the grain; this extra amount of straw will, of course, increase the manure pile, but by deferring the application of the lime for one crop in the rotation, we may increase the amount of vegetable matter in a form in which it will be more stantly decreasing.

valuable to the manure pile; if the lime is applied after the removal of the wheat crop, it straw. If my reasoning is correct, the best time for the application of lime is either to the sod, before corn is plauted, or to the grass after the removal of the wheat crop; and it is uot only important "to get it on," but also to get it on at the proper time.

The farm which I occupy, heing adjacent to for many years, and in my opinion did not nced lime; hut, being determined to test the matter, I applied lime to oue field, varying the amount per acre from one hundred bushels to twenty-five; decreasing twenty-five bushels at a time, and every fifth land was left without any. Since then the field has gone through the whole rotation, and has been mown twice without my being able to detect any difference iu the product between the lands which refarming is measured by the amount of lime ceived a dressing of lime at the rate of one hundred hushels per acre, and those which had but tweuty-five, nor hetween those which received the application at the rate of twentyfive hushels per acre, and those which received

My idea is, that after one or two liberal dressings of partially decomposed manure, the old saying that "If you will show me a man field will yield a liheral return for the application of lime, and if carc is taken in the formatiou and preservation of manure, will continue to do so for years to come.

The next Fall I plowed down a heavy second crop of clover, with the intention of puttiug it in with wheat; but other work interfering, the wheat was not put in, and the remainder of the field was accordingly pastured. The next Spring the whole field was top-dressed with lime, plowed and put in with coru: when the second crop of clover was turned under, 1 had a very large crop of corn; but when the clover was pastured off, the crop was very ing sold or removed from the farm, an increase moderate. This I accounted for by supposing that when the clover was turned under, there was a large amount of vegetable matter for the lime to act on; and on the remainder of the field hut little, or, at least, uot so much; on one land of the pasturc-clover left without use of lime, will decrease the productions of lime, the corn was quite as good as when the lime was applied; there was no visible effect from the lime except where the clover was

In the lime and chalk districts of Englaud, the practical farmers have a saying that "lime with reference to the application of lime in our own country. Lime is applied, and the innot till then, the land gets a rest from the stimulating effect of lime; hut in course of Tue farmer who limes, and at the same time time the farm programme is enacted with the

Lime, like many other stimulants (whiskey ing the interest of his principle, but also that excepted) may be made beneficial in certain he is allowing a portion of his interest to re- cases, hut must be used judiciously, or the after effect will leave matters in a worse state Inasmuch as the main effect of lime is due than at the beginning; but "the trouble is not

In no way can land be enriched faster than by directing all the energies to the increasing of the hay crop. If this is increased and fed out on the farm, the increase in the other crops creasing ratio, as a trial will prove to all who

February, 1867.

THE London Agricultural Gazette says that

THE POWER OF A GROWING TREE.-Walton Hall had at oue time its corn mill, and when will increase the amount of hay, which for that inconvenient necessity no longer existed, manurial purposes is much more valuable thau the mill-stone was laid by in au orchard and forgotten. The diameter of this circular stone measured five feet and a half, while its depth averaged seven inches throughout; its central hole had a diameter of eleven inches. By mere accident, some hird or squirrel had dropped the fruit of a filbert tree through this hole ou to the carth, and in 1812 the seedling was seen rising up through that unwonted channel. As its trunk gradually grew through this aperture and increased, its power to raise the ponderous mass of stone was speculated upon by many. Would the filbert tree die in the attempt?-Would it burst the mill-stone? Or would it lift it? In the end, the little filbert tree lifted the mill-stone aud in 1863 wore it like a crinoline ahout its trunk, and Mr. Watertou used to sit ou it uuder the branching shade. - English

> MANURING WHEAT.—S. H. Simmons writes to the Rural New Yorker, that he tried different modes of manuring wheat, including on the sod in spring before breaking up, turning it under at the last plowing before sowing; top-dressing after plowing hut before seeding, aud top-dressing early in winter when the ground is frozen. He finds manuring on the sod in spring to be best. This result appears to confirm the practice often urged of top-dressing sod in autumn for corn, aud owes its efficacy probably to the perfect manner in which the manure is diffused among the roots of the grass.

> ADVANTAGES OF DRAINING. - At a recent meeting of the Michigan State Agricultural Socicty the committee on Land Draining made a very interesting report in favor of this mode of preparing land for cropping. The following paragraph is especially worthy of cousideration. Thus:—"It is worthy of note that the early frosts of the past seasou, which proved so destructive generally, did not materially affect vegetation in my drained lands, while it was most destructive in other lands adjacent. This fact aloue would seem to he sufficient to arrest the attention of farmers, and offers additional inducements to further investigation upon this subject."

SEERING DOWN PASTURES. - The President of the Frankliu Co. (Mass.) Agricultural Society recently read a paper before the Farmers' Club of Montague, on the subject of seeding land for pasturing purposes. He recommends twelve pounds of clover seed, six quarts of herds-grass, one bushel of red top, to the acre. He advised farmers to raise their own seed, which they could readily do, with a little care, and at a considerable diminution of cost. The seed need not he separated, hut sown with the chaff. The herds-grass should be sown from the 10th of August to the 1st of September .-Some members favored rolling the land after the secd is sown, some bushing it, while others thought neither essential.

EARLY GOODRICH POTATOES.—I think I must tell of my success in raising "Early Goodrich" potatoes the past season. I procured a half bushel of this variety from Bliss & Co., Springfield, Mass. I cut them with two eyes to the piece, and dropped the pieces a foot apart, in rows three feet apart. Manure spread on and harrowed iu. Hoed twice-ripe very early. In October I dug thirty-six bushels of very nice potatoes; all grown from that half bushel of seed, and all sound.

Ashfield, Mass.

test grass and clover seed before sowing, by putting seeds previously counted, in a small cup filled with good soil. Cover the seeds a quarter inch deep, and keep the soil moist and warm. In a few days the proportion of good seeds may be determined.

E. GRAVES.

California is well adapted to fruit growing, and a paper in that state, noticing a large arrival of tropical fruit from Los Angelos, including lemons, oranges, citrons, &c., predicts the attendance upon the exhibitions of the lo- that ten years hence that single country will cal agricultural societies of England is conthe entire Pacific coast.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged
the entire Pacific coast.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged
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February 23, 1867.
4w-ee-7

## STRIPED LEAVED JAPANESE MAIZE

B. K. BLISS, Springfield, Mass. 4t-ee-7 Fehrnary 23, 1867.

## Connecticut.

ARMERS, ATTENTION.—Will be sold at Auction, at the Glies Farm, South Woodstock, Conn., on Wednesday, March 5, 1867, the following Live Stock and Farming Tools. Sale to commence at 10 A. M.

sson White Potatoes, and anout 20 Manager and the Article Variety known.
ose wishing to raise early potatoes, would do well to attend a variety of Household Furniture.

S. M. FENNER, Auctioneer.
Son. 16, 1867.
3w-6

South Woodstock, Conn., Feb. 16, 1867.

## Rhode Island.

PARRETT'S EXTRA EARLY CABBAGE,—The hest and largest in the market. Price, 25 cents a paper. Raised and sold by Providence, Feb. 23, I867.

MAUPAY'S SUPERIOR TOMATO SEEL can he had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

WHITE FRENCH TURNIP, of the purest kind. raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

W. A. HENNESSEY,......PROPRIETOR.

Boilers repaired in a thorough manner at short noti

SHOP AT NORTH END, NEAR HARRIS'S NEW MILL. Refers hy permission to

TESTING GRASS SEEN.—It is a good plan to E. WHITCOMR, Engineers, Worcester, Mass.

RIGE, BARTON & CO., Machinists and Boller Makers, Worcester, Mass.

BELLOWS & WHITCOMR, Engineers, Worcester, Mass.
C. W. KIMBALL, ESQ., late Master Mechanic U. S. Armory, Springfield, Mass. HON. E. HARRIS, Woonsocket.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

EXTRA HEAVY PLOWS, for road work and for hreaking np new land, made by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.



THE FARM AND FIRESIDE 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 Puhlisher 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 offensive 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 advance. Single copy 5 cents.



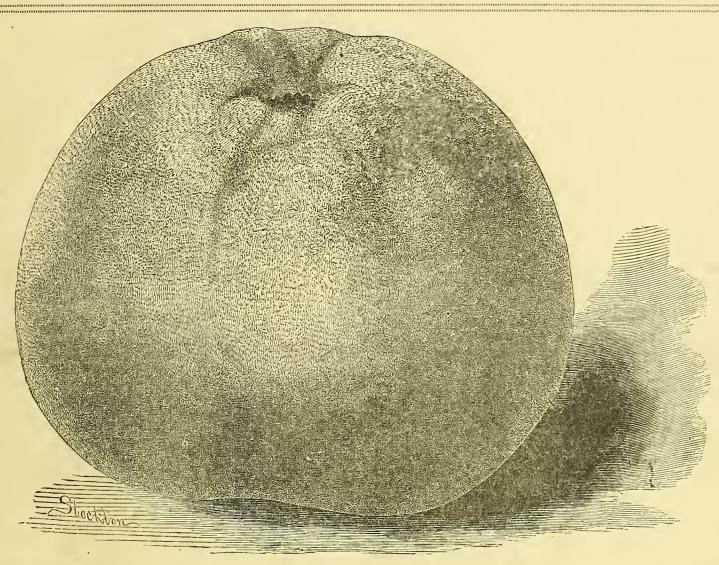
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S. FOSS, PUBLISHER, MAIN STREET. TWO DOLLARS PER ANNUM, IN ADVINCE. SLYGLE COPY, FIVE CENTS.

VOL. 1.

## WOONSOCKET, R. I., SATURDAY, MARCH 2, 1867.

NO. 8.



### MAMMOTH APPLES.

THERE are several kinds of apples, grown in the United States, remarkable only for their size. We are not prepared to class the "Buckingham Apple" among these; although a distingnished pomologist, at our clbow, says "they are sadly deficient in good qualities."-The above engraving gives the exact dimension of their size, grown under favorable circumstances. It is, also, a perfect picture of They are oblate-conical in shape, deeply shaded with crimson, and have large, greyish dots. Some people think they are identical with the "Meigs," "Jacksou Red," aud the "Buncombe Apple" of the Southern States. They also resemble the "Winter Queen," extensively grown in Kentucky.

The best specimeus of the "Buckingham that we ever saw, were exhibited at the Pomological Exhibition held at Philadelphia iu 1860. These specimens were grown in some Western State, and attracted much attention at that time.

THE CROPS IN OHIO.—The Sandusky Register expresses itself grateful that "there is one carried with him some sacred pledges, said by bright spot in the generally unpleasant aspect the oracle at Delphos, "to contain the fate of of business affairs." The wheat crop throughout the country looks well, and promises cheap god intended to convey the great truth that the bread for the future. Besides, the amount of safety of this warlike people never would be that the Persian priests represented to the de-talents of the most eminent writers. In valand sown to wheat last Fall is much larger in secured, never would be permauent, until they many sections than formerly.

#### PLAIN TALK WITH FARMERS. NUMBER ONE.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

Did the importance and dignity of the pursnit which you follow ever strike you? From the remotest ages it has been deemed worthy of attention. The simplicity of ancient manners rendered it au object not inconsistent with the rank and situation of persons of enimence.world-famed Cincinuatus, "the prevailing loughman" as the Roman annulist well call him, left his plough to lead the Roman armies to battle: and afterwards denied himself the honor due to his victories, that he might return to the cultivation of his fields. I have met somewhere, in my various readings, with the following beautiful story, illustrative of the importauec attached to Agriculture by the aucient defence of Eiua against the Lacedemonians, Messena." Beneath this oracular response, the had turned "their swords into plough-shares,

blood royal, the officers of state, and the Mancrop and a successful harvest. Amongst the month with a party of practical husbandmen, amongst the city tribes. or persons engaged in the ordinary labors of

and their spears into pruning-hooks,"-for ithe sedulons cultivation of their fields; and it these "sucred pledges" were nothing more was e well known maxim among them, that than plates of lead, upon which were inscribed in the who cultivated and sowed the ground the histories of the worship and services of the with care and diligence, stood a much better goddesses Ceres and Proserpina; and beneath chance for Paradise than he could by the repeall this was shadowed the cultivation of Agri- tition of a thousand prayers." The political culture and Horticulture, over which these institutions of the Roman State were all calcudeities respectively presided. The talismanic lated to confer respectability npon the practice properties of these sheets, containing the his-for this art. In the early ages of the Repubtory of these divinities, consisted not in any lie, the individual soldiers of a victorious army miraculous power they conferred: but simply were each put in possession of his portion of Gideon, the renowned champion and Indge of in the information and benefit these warlike the conquered territory with all the solemnity Israel, left his threshing-floor to preside in the people would derive in an abandonment of and parade of a military procession,—thereby public assemblies of his countrymen; and the their bitter struggles, and a devotion to Agri- giving dignity to the labors of the husbandculture and Horticulture. In China, to render man, by associating them with the proud ideas Agriculture honorable, the Emperor annually, for conquest and dominion. Heuce, the perat the commencement of Spring, which is the sons engaged in any branch of art or manubeginning of their year, goes to the field in affacture, or in any commercial employment, person, in a common cart or wagon painted were regarded as an inferior class, and as holdgreen, and in presence of the princes of the ing a far lower rank in society than the meanest husbandman, or person engaged in the culdarius of the Empire, holds the plough for a tivation of the soil. In fact one of the puntime. The ceremony is nausaally solemn, and ishments which the public censors inflicted up-Greeks. Aristomenes, after his unsuccessful the Emperor offers up prayers for a bountiful on a disorderly conutry citizen, consisted in striking his name out of the list of the inhabiaucient Persians, their King sat down once a stants of the rural districts, and enrolling him

Agriculture has been a subject, too, deemed Agriculture; and, it is not a little remarkable of such great importance as to exercise the votees that the most acceptable service they rious ages men have written to explain its princould perform in the sight of a divinity, was ciples, and celebrate its excellence. Hesiod



A Little Sermon.—Sometimes I compare the trouble we have to undergo in the course of a year to a great bundle of fargots, far too large for us to lift. But God does not require us to carry the whole at once. He mereifully unties the bundle, and gives us one stick, which we are able to carry to-day, and then another, which we are able to carry to-morrow, and so on. This we might easily manage if we would only take the burden appointed for us each day; but we choose to increase our trouble by carrying yesterday's stick over again to-day, and adding to-morrow's burden to our load before we are required to bear it.





was the first of the Greeian poets to sing the threw great established truths; and they will constituents of plants, and a succession of praises of the plough; and, in a work nearly coeval with the Iliad, he has combined with the principles of the art, many curious observations ou the seasons most propitious to its in his "Economies" on the importance of Agrieulture, and described its influence on the prosperity of the arts and the advaucement of civilization. Cieero was so much pleased with late or blindly delve. the sweet simplicity and beueficial tendency of this treatise, that he translated it into Latin; and, in his admirable Dialogue on Old Age, recommends it to the great Scipio, as the most powerful iuducement to persevere in his favorite pursuit. Virgil has ennobled the subject with the dignity of Latin verse, and in his Georgies, - the most correct and original of his works,—has described, at large, the rural oeeupations of his countrymen, the cultivation of the land, the seasou most favorable to tillage, and the art of grazing and planting.

I might go on at some length in enumerating faets like these; but enough has been written to make manifest how high in estimation the aueients held the pursuit you follow. If it has lost dignity and position in the estimation of tbe moderns, is not this in a great measure owing to those who have pursued it doing it negligently aud carelessly? Do not farmers, as a class, iu our day, content themselves with using their hands more than their heads-going on from year to year without any ambition to be wiser than their aneestors; trusting to experience and despising any other instructress. You are so much in the habit of holding converse with Dame Nature, and looking to her for instruction, that, as a class, you are very apt to turn your backs upon all kinds of scientific knowledge relating to your calling, unless it happens to correspond with your experience. Now your experience, perhaps, has been derived solely from revolations that you think have been made to you while following the plough, or watching the operations of vegetable growth upon your farms. I have not one disparaging word to say against Nature as an instructress, and if she could utter her thoughts, and speak to you in your own tongue, you would be surprised to find how often you have widely erred in interpreting her meaning,-Scientifie men, who have all their lives investigated the eauses of things, and sought to explore the mysteries of Nature, are often at fault in their conclusions. It is not to be wondered at, therefore, that the simple husbaudman, whose observations are hemmed in by the narrow boundaries of his own experience, should be much oftener at fault. Kindly Nature has, however, revealed much to her high priests who are continually ministering in her temple; and her oracles have made plain to bran, at hap-hazard,—yet this is exactly what these, bor chosen ones, things which, without a great many farmers do, who profess to be their aid, would have remained mysteries still. Does it not behoove, then, the unimitiated, to ing. They find that their fields yield a small scieuce as applied to Agriculture. listen attentively to the teachings of these high-erop of wheat. They can't exactly tell what ly favored ones, who have spent their lives in acquiring that knowledge which has admitted sand or clay? Is maguesia or potash wauted? the Holy of Holies of the Great Temple itself? I would not for a moment be considered said: "The land must be manured." Now, as denying that the art of Agriculture, like all manure on an impracticable soil is medicine. tion industry and experience.

laws of science can be engrafted, as it were, silica? Suppose a doctor says you are sick upon the practices of experience; and this, to and must take medicine, without knowing the great advantage of the art. That time has what the disease is, or what the appropriate ly regarded the history of the progress of Ag- there was in his saddle bags, and tell you to riculture during the present century, but must admit that it has been materially aided and advanced by scientific research. The farmer of drawn, as a representation of some farmers of to-day is successful and prosperous just in pro- my acquaintance, who spread manure on their portion to the extent of his ability to add to lands because their fathers did it before them, the teachings of experience the results of scieu- without any reference to the state of the soil, tific knowledge; and it would be very strange the wants of the crops, or the result it is going if the Agricultural Art should be au exception to produce. Now, the inquisitive farmer, who

prevail while the men who attempt to resist erops are taken from it, each crop abstracting Professor Tueker, in his Agricultural lectures at Yale: "Farmers should pay more heed to order that the two, hand in hand, may unite in educating, experimenting and explaining, where either alone could only blindly speeu-

What is there in Agriculture requiring a man to be ignorant, if he will be skillful? Or, why may every other class of men learu by reading and the acquirement of scientific knowledge but the farmer? These are preguant questions, and should set the minds of farmers, who have heretofore had their prejudices excited against what they derisively style "book farming."

A very keen, sareastie writer, only a few years ago, drew this portrait of an anti-bookfarmer: -- "He ploughs three inebes deep, lest he should turn up the poison that, in his estiso as to keep as much water upon it as possible. He sows two bushels to the acre, and reaps ten; so that it takes a fifth of his erop to seed his ground; his eorn land has never any help from him, but bears just as it pleases .-His farm never grows any better, in many respeets it gets annually worse. After ten years work on a good soil, while his neighbors have grown rieh, he is just where he started, ouly his house is dirtier, his fences more totteriug, his soil poorer, and his pride and ignorance greater." Now, I admit that this portrait is overdrawn; but there are features discernible in it, that many will recoguize. My object is to endeavor, in these communications, to eorrect the errors and prejudices that I find contiqually among men who are esteemed sensible iu their respective neighborhoods. I am acquainted with a trucker; iu my own neigbborhood, who for the first two or three years terly, his crops have turued out poorly, and the reason is, that his crops have exhausted the soil of the nutriment necessary to their well heing, and he does not know euough to put it back by manures containing the very food the he would have found out that raising a crop is only a species of slow cooking. Here is a compound of materials to be made. Nature agrees to knead them together, and produce the graiu or fruit, if the farmer will only supply the materials. To do this he must understand what kind of materials he wants. Suppose a cook perceiving that the hread was wretched, did not know exactly what was the matter, and should add salt, flour, yeast or guided by experience and to despise book farmis the matter. Is the soil deficient in lime, them partly behind the veil, and almost into Perhaps they do not know that these things are requisite in a crop. As some one has well other arts, requires for its successful cultiva- Of course, if the farmer prescribes, he must tell what medicine, viz: what manure. Is it But there always comes a time when the vegetable matter or phosphates, alumina or long since come; and no one who has careful- Femedy; and should pull out a handful of what "take the dose"?

And yet this illustration is by no means overto this rule. Additional knowledge, additional is not too proud to peep into books, will learn enlightenment never put back the progress of what, it may be, he had only a faint idea of beanything; and, therefore, they could not have fore—that when a crop is taken from a perfect this effect upon Agriculture. There are very soil, the crop takes away a portion of the eletunately, sneering and ridicule never yet over- gen, nitrogen, sulphur and the other unorganie hould it for ye.

will be overthrown. To use the language of more or less of these ingredients, the time must eome, if not anuually restored, when all these ingredients will have been abstracted .various employments. Xenophou expatiated the lessons of seieuce as well as of practice, in Now, science makes manifest to the farmer how all these elements can be paid back to an impoverished soil by natural or artificial manures. Perhaps there is no subject upon which there is greater ignoranee amongst farmers than upou the real object of the use of lime. -The intelligent husbandman who spreads lime upon his land, through the revelations of agricultural ehemistry, is aware that by this means he goes through the very process a chemist resorts to in his lahoratory to analyse the soilhe liberates the siliea, the potash and the phosphates, which enable these substauces the better to mingle with the soil, and administer to the demands of vegetation. He learns further, that by this process he has furnished no equivalent for that removed by the crops, and unless mation, lies below; his wheat land is ploughed he restores to the soil what the lime has evolved, his frequeut liming will only burn up and exhaust it. He aseertains, perhaps, what he uever dreamed of before-that lime is not, in the ordinary seuse, a manure; for manuring consists, strietly, in the restoration of that to the soil in which it is deficient. Lime, however, is a robher, and the farmer who works slovenly aud ignorantly, contenting himself with frequeut liming, will find its constant depredations will leave his soil poor indeed. Let us take lime uncombined with anything, or quick lime and the carbonate of lime, or chalk. By burning the chalk, all the carbonic acid is expelled, and the quick lime is left behind .-This quick lime is well known as a caustic.-Whenever quick lime is exposed to the air, it attracts the carbonic acid of the atmosphere, and returns into a state of chalk or carbonate of lime. When lime is added to the soil, besides furnishing the soil with the lime that a raised good crops and made mouey; but lat- crop may require, it has a further action.-When caustic lime is added to the soil, by its causticity, it causes the vegetable matter, old roots, &c., to decompose more rapidly than they otherwise would. Hence, quiek lime promotes the formation of humus. Then the nicrops he cultivates most need. And, yet, if he trogen which decaying vegetable matter conhad read the rudiments of scientific farming, taius, is not very soluble. Now, the chemist finds in his laboratory, that is, he takes just such vegetable matter, adds lime to it, and then subjects it to heat, that ammonia is given off freely. A similar effect, no doubt, is produced by the presence of lime in the soil. Then if there are any free acids in the soil, the lime combines with them, and couverts them into nutritious food. The action of carbonate of lime is the same as quick lime, saving only its caustic property. Now, here you have an instance how scieuce explains to the Agriculturist the reason of things. Iu future communications, I may have something to say about February, 1867.

> CARE OF ANIMALS. - Any one who does not feel an inchnation or capacity to take the amount of care and pains neccessary for the well-being of au animal, ought conscientiously to abstain from having one in charge. A carefully tended pet, whether dog or cat, is a pleasHall of the House of Representatives of the State House, in
> ant addition to a family of young people; but
> Providence, Tuesday evening, 19th Instant, and was able, suggestive and practical. It was listened to with much gratificagestive and practical. It was listened to with much gratificaa neglected, ill-brought-up, ill-kept oue, is only tion, hy a large audience, which included many members of the an annoyance.

> We should remember, too, in all our dealings with animals, that they are a sacred trust done in different parts of the State, as the citizens may require dumb, and canuot speak for themselves; they ject of their appointment. cannot explain their wants or justify their conduct; and therefore we should be teuder towards them.

Our Lord says not even a little sparrow falls to the ground without our Heavenly Father's knowledge, and we may believe that his eye takes heed of the disposition which we show toward those defenceless beings whom he thinks worthy of his protection.

Dinn't you tell me you could hold the many farmers who will receive this proposition ments that compose it; and a certain number plow?" said a farmer to an Irishman he had present there are over thirty. with derision; who sneer at the pretensions of jof crops takes away all. The crop then ceas-juken on trial. "Be aisy, now," says Mike. "Book Farming," as they derisively slight the est to be a profitable one. If, for instance, a they derisively slight the est to be a profitable one. If, for instance, a they derisively slight the est to be a profitable one.

## Rhade Island Society.

RHODE ISLAND SOCIETY FOR THE ENCOUR-AGEMENT OF DOMESTIC INDUSTRY.

THE first stated meeting of the Standing Committee took place ou the 20th February, in Providence. Thomas G. Potter of East Providence, and Alanson Steere, of Seituate, were admitted members of the Society.

The President reported the division of the Standing Committee into standing sub-committees as follows:

On Agriculture-Obadiah Brown, of North Providence; John B. Francis, of Warwick; Charles S. Bradley, of North Providence; Amasa Sprague, of Cranston; Alfred B. Chadsey, of Wickford; Allen C. Mathewson, of Barrington; Elisha A. Lawton, of Cranston; Jas. D.W. Perry, of Bristol; John G. Clarke, of South Kingstown, and Thomas G. Potter, of East Provi-

Edward P. Taft, Cyrus B. Manchester, of Providence; Henry taples, of Barrington; Wm. B. Spencer, of Phenix; Silas Moore, of Cranston; Israel M. Bowen, of Johnston; and John

On Manufactures-Elisha Dyer, Lyman B. Frieze, Royal C. Taft, James Y. Smith, and William Viall, of Providence; Cyrus Harris and Amasa Sprague, of Cranston.

On Mechanic Arts-George F. Wilson, of East Providence; Henry J. Angell, and Wm. E. Barrett, of Providence; and Joseph F. Brown, of North Providence,

On Fine Arts-Seth Padelford and Oliver Johnson, of Provilence; Thomas G. Turner, of Warren; Robert S. Burrough, of

On Zoology—Elisha Dyer, Charles N. Hoyt, and George B. Peck, of Providence; Israel M. Bowen, of Johnston, and George B. Wilcox, of Providence.

On Miscellaneous Subjects-Henry Staples, of Barrington; Henry J. Angell, of Providence; James DeWolf Perry, of Bristol, and William Viall, of Providence

Henry W. Lothrop, late Vice-Presideut, was elected as honorary member of the society.

The Treasurer proffered a bond for the faithful discharge of the duties of his office, which was accepted as satisfactory and directed to be lodged with the President for safe keeping.

The Treasurer made a report, showing a balance of \$93 20 iu his hands.

The Secretary reported the books, &c., reeeived at the rooms of the Society, among which were fifty copies of the Report of the Agricultural Department, received from the Hon. Wm. Sprague, the distribution of which was referred to the Secretary.

A list of Patents issued to citizens of Rhode Island during the year 1866, and a Meteorological record of the year, prepared by the Seeretary, the Board directed to be published in the Transactious of the Society.

Voted, That "In and In breeding" he the subject for discussion at the next stated meeting, and that notice of the same he given in the papers.

Voted, That Elisha Dyer, Ohadiah Brown, Edward D. Pearce and W. R. Stanles he a committee to consider and reort relative to a home for this Society.

President for his efforts in the Senate of the United States, to reduce the duties on thorough-hred stock imported into the

The Board voted to adjourn to meet at the call of the Executive Committee on Cattle Show and Exhibition, if before the next stated

The following report was received and ordered to be placed on file:

"The committee to whom was referred the subject of 'Lecspectfully report:

That a series of lectures was commenced under the most flattering auspices, by an address upon agricultural education and the formation of Boards of Agriculture, from the Hon. George B. Loring, of Salem, Mass., the President of the New England Agricultural Society, and a member of the Massachu-setts Board of Agriculture. The address was delivered in the General Assembly. The committee cannot but hope for favorable results from its delivery, and congratulate the Society on this auspicious commencement of what they intend to have to us from our Heavenly Father. They are tee hy co-operation and necessary effort to accomplish the ob-

ELISHA DYER, for the Committee.

Another lecture or address iu Providence may soon be looked for from this committee. Provision is made by a standing by-law of the Society for holding informal meetings of the Society and others for the discussion of agrieultural and industrial matters in any village or town in the State, where they may be useful.

TWENTY FIVE years ago but three agricultural papers were published in this country. At

The newest Yaukee notion is an umbrella application of seience to Agriculture. For soil contains so much carbon, oxygen, hydro it away? Just stop the craytures, and I'll with a gutter round the edge and a sprout at one corner.



THE ENGLISH CATTLE PLAGUE.—There has been a sudden increase reported in the ravages of the English cattle plague. During the week ending February 2d there were 28 animals attacked, whilst during the previous week but one attack was reported. Ou the 28th of January the disease appeared among the stock of a dairykeeper at Islington, in the metropolis, and during the week attacked 28 of the 46 cattle on the premises. The whole of the animals, whether diseased or healthy, were at once killed. The outbreak is remarkable as occurring on the premises visited by the first authenticated instance of the English cattle plague in June, 1865, on which occasion 46 animals were reported, and 50 slaughtered healthy, out of 123.





## Fireside Readings.

### "THE UNDISCOVERED COUNTRY."

Could we but know
The land that ends our dark, uncertain travel, Where he those happier hills and meadows low-Ah, If heyond the spirit's inmost cavil, Aught of that country could we surely know,
Who would not go?

Might we but hear The lowering angels' high imagined chorus, Or catch, betimes, with wakeful eyes and clear, One radiant vista of the realm before us-With one rapt moment given to see and hear, Alt, who would fear ?

Were we quite sure To find the peerless friend who left us lonely, Or there by some celestial streams as pure, To gaze in eyes that here were lovely only—
This weary mortal coil, were we quite sure, Who would endure?

### THE GREAT BOVINE CITY.

A BULLOCK is au awkward piece of merchaudise to "handle;" he has a will of his doue for eash; after which they conclude the own, with much power to resist the will of affair hy dining together at the hotel, or at an other creatures; he cannot be cramped up in- excellent restaurant in the Exchange itself. to an elevator, nor shot iuto the hold of a vessel; he must have two pails of water every of cattle men meet-those who collect the cattwelve hours, and he cannot go long without a large hundle of hay. There is also a society for the Prevention of Cruelty to Animals, with an eloquent and resolute Henry Bergh to the Eastern eities. One of the potent civilizers see that cattle have their rights. Chicago has is doing business on the grand scale. By learned to conform to these circumstances, and now challenges mankind to admire the harharizing husiness is lifted out of the mire, exquisite way in which those three hundred and reudered cleau, easy, respectable, and tion and development every voluntary muscle thousand cattle per annum, and that million and a half of hogs, sheep, and calves, are re- of the eattle require few men, who are themceived, lodged, entertained, and despatched.

the eity, and two feet helow the level of the river-part of that eight miles which onr trav- keeping of the business. We remember with eller found under water in 1833-may he seen pleasure the able and polite gentlemen the nethe famous "Stock Yards," styled in one of the Chicago guide books "The great Bovine terprise, and who now control it. The City of the world." Two millions of dollars economy of the system is something worth ed by the "light gymnastics" of a week. have heen expended there in the construction consideration. The design of the directors is This he does in pure sport. Running, climbof a cattle market. The company owning it to keep the rent of the pens at such rates as to ing, riding, swimming, rowing, tossing, bathave now nearly a square mile of land, 345 exactly pay the cost of cleaning and preserving, jumping, wrestling, see-sawing, rolling, acres of which are already enclosed into cattle ing them, and to get the requisite profit only tumbling, day after day; there is not a muscle pens-150 of these acres heing floored with from the sale of hay and corn. One hundred in his little body that he does not hring into plank. There is at the present time pen room tons of hay are frequently consumed in the play, without a motive that nrges from behind, for 20,000 cattle, 75,000 hogs, and 20,000 yards in one day. If those yards were in New and solely for the gratification of his greed for sheep, the sheep and hogs heing provided with England, the sale of manure would he an im- amnsement. Nowhere can he get this free and 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, crossing at right angles. The projectors have paid New York the compliment of naming the principal street Broadway. It is a mile loug and seventy-five feet wide, and is divided by a light fence into three parts, so that herds of eattle can pass one another without mingling, and leave an nnobstructed road for the drovers. Nine railroads have constructed hranches to the yards, and there is to he a canal connecting it with one of the forks of the Chicago

Nothing is more simple and easy than the working of the system of these stock yards. The sum of anguish annually endured in the United States will he greatly lessened when that system shall prevail all along the line from the prairies to the Atlantie. A cattle train stops along a street of pens; the side of each car is removed; a gently declining hridge wooes the living freight down into a clean planked inclosure, where on one side is a long trongh, which the turn of a faucet fills with

to five hundred thousand dollars; also a tele- to overrate, and so covetous to secure for their graph office, which reports, from time to time, the price of heef, pork and mutton in two then, as regularly as the calves and colts, hemispheres, and sends back to the cattle markets of mankind the condition of affairs in this, the great hovine city of the world. The "gassing" being accomplished, the cattle men leave this fine Exchange, and go forth to view the cattle which have been the subject of their conversation, and they move about in the midst of these prodigious herds, and inspect the occupants of any particular pen, with as much ease as a lady examines pictures in a window. The purchase completed, the cattle are driven aloug, through opening pens aud hroad streets, to the yards adjoining the railroad, hy which they are to resume their journey. On the way to these yards, they are weighed at the rate of thirty cattle a minute, by merely pausing in the weighing pen as they pass. The men return to the Exchauge, where the money is paid, all the cattle husiness heing

Iu this elegant Exchange room two classes tle from the prairie States-Texas, Missouri, Kansas, Illinois, Iowa, Wisconsin, Minnesota -and those who distribute the cattle among means of this Cattle Exchauge a repulsive and Dio Lewis has contrived, with great ingenuity, pleasant. The actual handling and supervision of the human organism; hut nature is a hetselves raised in the social scale hy heing parts Out on the flat prairie, four miles south of of a great system; while the controlling minds lahor, from an intelligent motive, she impels are left free to work at the arithmetic hookeessities of whose husiness suggested this en- in a single day, run more miles and exercise portant branch of the husiness; hut in those fertile prairies they are glad to sell it at ten possible in a city. A child that undertakes cents a wagon load, which is less than the any thing more than a walk in the street, gets cost of shovelling it up. -[Parton, in the Atlantic Monthly for March.

### PASTURING CHILDREN.

ONE of the ordinary events of spring in the country is the sending off to pasturage for the season, droves of young cattle; kept 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 May morning are driven away in frolicsome herds to the mountain pastures, where, feeding upon the tender grasses and drinking the hill-side water, and roaming 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 pasture that the cattle and colts grow. They get muscle and health by roaming and feeding and sleeping in the open air.

Now, in one respect, children need to he rewater, and on the other side is a manger, garded and treated as young animals. Their which can he immediately filled with hay. particular husiness is to grow, and to grow While the tired and hnngry animals are enjoy- healthily and soundly. Among the many ohing this respite from the torture of their ride, ligations which a parent owes the child he has their owner or his agent finds comfort in the called into existence, not the smallest is that of Hough House (so named from one of the chief giving him, to the extent of his ability to do promoters of the enterprise), a handsome ho- so, a sound and well-developed hody. Withtel of yellow stone, bnilt solely for the accom- ont this, wealth is of little worth, or splendid modation of the "eattle men," and capable of intellectual gifts, or fine accomplishments or entertaining two hnudred of them at once. excellent education. Without this, he can he A few steps from the hotel is the Cattle Ex- of comparatively little use to the world, and of of yellow stone, wherein there is a great room hoth useful and happy. If, therefore, country have stolen from me during the year." a hank solely for eattle men's nse, with a daily should have them, even at the expense of some inherally!

husiness ranging from one lundred thousand for those possessions which parents are so apt offspring. Let the children he taken to pasture while we tell with some detail what the process will do for them.

Of the henefits of fresh country air to the young organism, little needs to be said. They are very ohvious. Pure air is the special pahulum of vitality. It gives life to the blood, and is sent warm and red into every fibre of the body. Impure air poisons life at the fountain. The frightful aggregate of infant mortality in the great cities shows how baneful impure air is to delicate young life. Adult life is less sensitive. It can resist, and does resist wonderfully, the poisons which it inhales at every breath: hut ehildren sicken and die at its side by hundreds and thousands every year. A man and his wife hred in the country, or even bred in the city, may live to a good age, and enjoy comfortable health in town, while they are ealled upon to mourn the mysterious death of every child born to them, or to watch with ceaseless auxiety over a puny brood of hahes that carry into their adult life the feehlest powers of mind and hody. There is no question that men and women can live in air that children must die in; or rather, that they die very slowly in an atmosphere in which ehildren die very quickly.

The next henefit that comes to children at pastnre, is free and universal exercise. Dr. a series of exercises which will bring into acter counsellor than Dr. Lewis. What he teaches us to do hy study and pains taking and us to do in the simple search for amusement, in every playful manifestation of life. The hoy left to play in the fields and woods will, healthfully more muscles than could he matchfull exercise except in the country. It is imkicked hy a passenger, or run over hy a horse; and hack-yards are largely devoted to ruhbish and clothes lines .- Timothy Titcomb in Hours at Home.

THE LORD'S PRAYER. - Did you ever think short though it is, how much there is in it? Oh, it is heautiful! Like a diamond in the crowu of a queen, it unites a thousand sparkling gems

It teaches all of ns, every one of ns, to look o God as onr pareut—"Onr Father."

It prompts us to raise our thoughts and our desires above the earth-" Who art in heaven. It tells us that we must reverence our heavnly Father-"Hallowed he thy name.

It hreathes the saint's reward-"Thy king-

And a submissive, obedient spirit-"Thy will he done on earth as it is in heaven."

And a dependent, trusting spirit-"Give us this day our daily hread."

And a forgiving spirit—"Forgive us our trespasses as we forgive those who trespass against

And a cautions spirit—"Deliver us from evil. And, last of all, an adoring spirit-"For thine is the kingdom, and the power, and the glory, forever and ever. Amen.'

"Sure," said Patrick, rnhhing his head with delight at the prospect of a present from his employer, "I always mane to do my duty." "I helieve you," replied his employer, "and change, another spacious and elegant edifice little comfort to himself. With it, he can he therefore I shall make you a present of all you for the chaffering or preliminary "gassing" (as air and country exercise and food are essential thank your honor," replied Pat; "and may Committee of the American Institute, New the drovers term it) of huyers and sellers; also to the sound development of the child, he all your friends and acquaintances trate you as York. It was first awarded to the "Iona,"

## Harticulture.

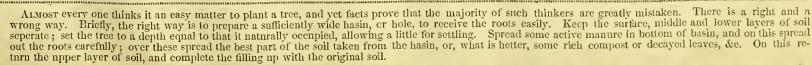
#### PIE PLANT.

The pic plant, or rhubarb, probably had its origin in Turkey, where it was first enlivated for the medicinal properties of its roots. As a vegetable for table use, it had a very recent date. It is within the present century that it has been introduced either in England or America, but now acres are devoted to its cultivation in the vicinity of our cities, and the use of it is rapidly increasing. Coming early in the spring, it fills the gap between the apples of the old year and those of the new. To most palates the acid is agreeable, and of its healthfulness, especially to billious constitutions, there is no question. The plant is pereunial, its cultivation is simple, and it can be raised pound for pound more cheaply and certainly than apples. It is propagated either from the seed or hy division of the root. The latter is preferable, as we have it ready for use much sooner and know what kind we shall get. When raised from seed, the plants will vary in size and quality. The soil for pie plant is a strong, deep, rich loam. As much care should he taken in setting the roots as in setting asparagus. No after top-dressing will fully compensate for neglect in setting. As its goodness depends mainly npon its rapid growth, it must have something to live upon, some accumulated capital on which to draw. A cow that walks teu miles a day to secure enough forage to support life, cannot be expeeted to furnish much milk, and so the plant that exerts all its energies to live, caunot furnish large succulent stalks. For setting the pie plant a trench should he dug at least two feet deep and filled, first with bones, hair, leather shavings or something of the slowly decaying order, next with rich manure, and lastly with good earth. This requires some labor, but the lahor is amply remunerated by early and frequent croppings for many years. The distance of the plant from each other will vary with the variety, the larger kind requiring four or five feet in which to expand their leaves, and the smaller three feet. If propagated from roots the stalks may be pulled for use the second year, care being exercised to leave enough for the plants to breathe. Many make the mistake of cutting the stalks instead of pulling them. In the latter mode there is much less waste of the juices, and the wound sooner heals. The stalks will be found much more tender when half or two thirds grown than when they have attained their full size. By cropping early and selecting the largest stalks only, none may be allowed to attain full growth. In the latter part of May the seedstalk will show itself, and it must be immediately plucked, that the energies of the plant may not be expended in this direction. No seed should be allowed to ripen unless required for propagation. Before the frosts of winter set in, the plants should he covered three or four inches deep with horse manure, which may he forked as soon as possible in the spring, With such cultivation a dozen roots will furnish an ordinary family with material for pies the year round, for the stalks may be cut into small pieces and dried like apples, or hetter still, cooked and put into jugs tightly corked, when it will he found as tresh in January as in June. The pie plant is not only good for pies and tarts, but is an excellent substitute for apples as a sauce.

The varieties are unlimited, and will doubtless increase as time advances. They vary in size of leaf and stalk, in form of leaf, in acidity and flavor. Downing's is very large, subacid and of a rich flavor. The Victoria is also large, hut acid and not high flavored. Its size and productiveness recommend it to the market gardener. For family use the early Prince Imperial received the first prize of the Massachnsetts Horticultnral Society in 1862. It is of medium size, pleasant flavor and very tender. The Cahoon is recommended as the wine plant, having large and juicy stalks.

THE GREELEY GRAPE PRIZE OF \$100 has been awarded to the "Concord," hy the Fruit hnt changed at a subsequent meeting.











## The Field.

### MARL MAKING.

Written for the Farm and Fireside. BY MRS. MADELINE E. KENDALL, PHILADELPHIA.

What will our savants say of a woman's attempt to uncover a few of the mysteries of marl making? Probably, that iu going from her home to a marl pit, and then with the result of investigations, back to "our Fireside," publicly, that, in another instance, woman has stepped out of her sphere, into that of our learned "lords;" usurping their patented prerogative. Non importe-believing that if a woman may add evidence interesting aud important, that may aid in fixing facts as successors to uncertain theories hitherto held in doubt, a woman is as legitimately at home among marl as men, I am going to present such new features of the material as careful microscopic investigations have revealed.

Throughout the entire marl belt, extending from the Carolinas to the Raritan Bay, we find the character of deposits changing according to locality and date of formation, as widely as do the various races of humanity from divers constitutional causes. In the majority of deposits in Virginia and Maryland, we find the marl coarse; in color a light, grayish brown, shading into dingy white, made up mostly of fossil shells of three or four varieties of the order Lamellibranchiates, of which there are about 300 living, and more than 1000 fossil species, and the Wentle traps of the order Gasteropods, of which there are over 300 fossil species. Prominent among the latter are the Vermetus lumbricalis, a long, slender, spiral shell, formed like a patent twist auger, and pointed like a gimblet. These fossil shells, made up almost entirely of non progressed phosphate of lime, are of no more value as a direct fertilizer than pulverized coral; but thoroughly incorporated with tenacious clay soils, produce indirectly fertility as disintegraters.

In the marl deposits of Delaware, we find the shells mostly of a distinct and different order and later period than those of Maryland and Virginia. Most common are those of the Limneda or Pond Snails, as the Physo heterostropha, Plenorbis lentsis, Limnxa desidiosa, etc., all more progressed, more decomposed, and the marl, of which they make up a considerable percentum, beginning to be valuable as a direct fertilizer.

Coming to the marl deposits of New Jersey, I find in the uuderlying, green strata, fossil shells in original form, and varieties numerous. Aided by a microscope of thirteen hundred diameter's power, I have already counted, in a sample of green marl taken from the pits on the property of Samuel R. Gaskill, Esq., near Birmingham Station, Burlington co., New Jersey, one hundred and seventy three varieties of shells, mostly of the Mollusks—as Cycladida Cycprinedæ, Veneridæ and Tellinidæ families, most of which have been fossils perhaps a hundred thousand years; many of them extinct, and many others so minute that entire, the shell appears to the unaided eye only a speck as small as the finest particle of dust.

The largest fossil shells-all petrifactions found in the green marl strata of these depositsare of the Cyprinida-species a cepbala, in length about two inches, oval, compressed nn- In some cases, rivers or creeks are obstructed a semicircular form at the larger extremity. The interior is chambered, divided by a membranous longitudinal wall, making the animal, moved. joined above at the hinge, two labed underneath. These are all fossil, found only in a petrified state in green marl, having no living sometimes plain, practical men have made use- use of the plants.

In the same strata are also found fossil remains of the early Sauriaus of amphibious habits; exhibited mostly in sections of verte- England, who, in 1764, accidentally discovered hræ, with occasional fragments of other bones that generally fall into dust upon exposure to the atmosphere. Besides these, there are practised in Eugland for many years aftershark's teeth (petrifactions), and in all the wards. overlying strata, remains of both land and mahave as yet been discovered.

(or perhaps three or four) of fertility which, prised to find that it was followed by a copious struction of weeds and thistles, and to attain a compost which, without possessing the quick, stimulating qualities of guano, or several mannfactured, mercantile manures, is an actual manure in itself; good on account of the large perceutum of potash and phosphoric acid, and better because an application of marl to the soil will be felt beneficially for years.

The green marl grains, which many people, and among them several men of scientific atainments, look npon as only so much waste sand, are on the contrary the most valuable portion of the whole bulk of material. Originally, these grains were pearly white, transparent particles; and being porous, pressure and absorption has filled first, and then coated them with the green essence of fertility coming from decomposed fish and flesh. The microscope puts forth this fact too plainly to permit contradiction by any mere theory or geological guess work. So it is the virtue which exists in the sand of marl, or it you please, in the marl grains, that given off gradually to the soil, makes its effects as a fertilizer felt so loug after application.

I have only just entered upon a microscopic investigation of marl, and as I progress, finding out more of the character of its constiuents, if permitted, I shall come to the Farm and Fireside with more practical intelligence. I am safe, however, in advising farmers that, in coujunction with lime, true marl, such as this from the Birmingham deposit, is a sure and economical fertilizer.

February, 1867.

#### LAND DRAINAGE.

For the permanent improvement of land nothing is better thau drainage. Soil that is year, generally bakes into hard clods in Summer, and is not suitable for affording nourishment to the roots of plants, and consequently the grass or herhage of any kind growing on it, becomes parched during the heat of Summer. When soil is dried by natural or artificial drainage it becomes friable and porous, and in numerous little cells, retains air which iuvigorates the roots and enables them to branch out in all directions in search of food.

The roots of the cereals, or green crops, cannot peuetrate deep into soil that is saturated with water, consequently these crops are never so luxuriant in undrained as in drained soil. properties of the rusb. Dry nplands, or welldrained lowlands, produce the better varieties of grass, such as are suitable for pasture or meadow. If water is turned over a dry field, and suffered to remain permanently, the quality of the herbage will be changed from fine, sweet grass to coarse, sonr varieties.

Before the operation of drainage is commenced, the nature of the strata should be uuderstood in order to detect the cause which wet by springs, which, rising in the higher parts of the fields, spread over the surface and keep the soil in a constant state of moisture. Rain-water, not having a suitable fall or ontlet, or being prevented from sinking into the earth by an impervious subsoil, is another cause which renders artificial drainage necessary. jurious to vegetable life, and should be re-

Varions plans of draining have been invented or recommended by scientific men, and ful discoveries in the course of their operations. Among the latter may be mentioned Joseph Elkington, a farmer of Warwickshire. thought of at the time, and very extensively

Elkington was plagued with a wet farm, and rine animals and fishes-no traces of birds had tried many methods of draining it. Once, Each one of these contributors to the New he forced a crow-bar through the bottom of moisture to pass off without condensation. It external marks as those killed by the ordin-

Company Control Contro

being united by pressure, formed in the totality and permanent supply of water. He took the hint and improved upon it, endeavored to catch dition we must have the power of cultivating the springs at the fountain head, and convey them away by judicious drainage. His system consisted principally of tapping the ground with a large auger, and he possessed extraordinary skill in discovering the exact place for performing the operation. Another part of his system consisted in boring through a hard suhsoil into a gravelly or porous stratum, and letting the water run down in the apertures thus formed. Many basins or hollow places have been effectually drained in this way.

> Iu some places where, from the position of the land, a proper fall or outlet cannot be obtained, the purpose is answered by sinking shafts or wells into the porous subsoil. These shafts absorb all the water that can be conveyed into them from the surrounding fields, and self. are a good illustration of the Elkington system of dramage.

A great deal of damage is done to crops every Spring and Fall by floods. In some cases the loss arising from such disasters might have been avoided by a little foresight. Creeks and streams will overflow their banks at certain times, if obstructions are not removed, and suitable water-courses left open. Every farmer should see that the creeks, ditches or drains on his land, or commanding it, are not obstructed by drift-wood or debris of any kind, and if there is any nncertainty on this subject, the land that is liable to he flooded should be kept for pasture, and the uplands devoted to tillage. - Western Rural.

#### DEEP PLOUGHING

It seems an anomaly to say that deep plowsaturated with water during six months of the ing will dry the land in Winter, and keep it moist in Summer, hnt such is nevertheless the fact. Deep ploughed land being loosened and the way they keep their horses, that the foot porous, naturally passes the water off from among the roots of the plants. In Winter the surface freezes sufficiently to prevent the rain which may occasionally fall, and the snow which melts in partial thaws, from penetrating the soil, whilst the nnder part being loose and porous, is continually draining by gravitation, until the frost penetrates to the full depth of the land ploughed, and which it only does during the absence of snow. With a good coating of early fallen snow, the ground never freezes to a foot in depth, and when the snow The varieties of grass which grow in wet soils lies all the Winter, the drainage still continues. are coarse and innutritious, partaking of the In the Spring the effect still goes on, for the land thaws from the underside, as well as the npper, and the drainage still continues, although there will be a crust of frozen ground tiou and assimilation. This result, long known above it.

In the Summer, on the other hand, the rains ploughed. All surplus water passes off, hut from the depth of the moved land enough is retained for the healthy nourishment of the plant. In shallow plonghed lands, the sun ly with their other food. renders drainage necessary. Some soils are heats the soil and drives off by evaporation all moisture. That which constantly arises from the snbsoil passes readily off through the shallow heated surface, but in deeply pulverized laud there is a considerable portion which acts as a refrigerator or coudenser for this evaporating moisture. The effect of the sun cannot penetrate and heat the soil to the depth of a foot. Supposing the sun heats the soil to the derneath, cornuted, crested above, valves solid, by dams or flood-wood, and the water rises depth of four inches to such an extent that the hinged above, cone-shaped, deeply indented in and flows back on the adjoining plains. From rising moisture will not condense amougst it, whatever source it arises, stagnant water is iu- the moisture passes off, and is only returned to the growing plants hy the nights' dews, but in deeply tilled soil the middle of the tilth, being colder than the snrface, retards the evaporation, and creates local moistnre sufficient for the

This is shown in any covering crop, such as potatoes, peas, vetches, etc. The stems of these plants shade the soil and prevent the direct action of the snn; while at the same time a fowl is to open its beak, and then with a a system of drainage, which was very much they form a medium which entangles and con-pointed and narrow knife make an incision at they return it to the soil at every change of vertebræ, and cause immediate death. After such crops is always far moister than where a bleeding ceases; then rinse the beak out with stand-np crop, such as wheat or barley, is vinegar and water. Fowls killed in this manwhen digging a deep drain in one of his fields, grown, the npright stems of which allow the ner keep longer and do not present the nnsight-Jersey Bank of Deposit brought an element the trench, and on withdrawing it, was sur- We cannot over-cultivate in the killing and de- ary system of wringing the neck.

the various objects above mentioned, in adwithout stint. - Canada Farmer.

## The Horse.

TRAINING OF HORSES.—There are a few very simple, common-sense rules, which if followed, will commend themselves to the horse as well as to the trainer, viz;

1st. Always feel kindly toward a horse, no matter what he does to you, and consequently never show "temper." Remember, the horse knows distinctly how you feel.

2d. Never go near a horse if you are afraid of him; the horse will know it and take advantage of it, before you acknowledge it your-

3d. Never undertake anything with a horse that you do not know you can carry ont.

4th. "Make haste slowly," teaching the animal what you want of him, as a child learns its A B C's, one letter at a time, being sure he knows each simple thing before you attempt to teach another; and repeat the lessons often.

5th. Reward each effort to do as you wish, whether he means it or does it accidentally.

6th. Be sure that it is your will and not his that conquers every time.

Following these rules, you may make a horse do almost anything, if he has not heen spoiled before you get him.

Horses' Feet Require Moisture. -Ninetenths of the diseases which happen to the hoofs and aukles of the horse are occasioned hy standing on the dry, plank floors of the stable. Many persons seem to think, from of the horse was never made for moisture, and that, if possible, it would be beneficial if they had cow-hide boots to put on every time they went ont. Nature designed the foot for moist ground—the earth of the woods and valleys; at the same time that a covering was given to protect it from stones and stumps .-Ohio Farmer.

How Carrots Affect Horses.—The carrot is the most esteemed of all roots for its feeding qualities. When analyzed it gives but little more solid matter than any other root, 85 per cent. being water; but its influence iu the stomach npon the other articles of food is most favorable, conducing to the most perfect digesto practical men, is explained by chemists as resulting from a substance called pectine, which fall and penetrate the soil to the full depth operates to coagulate or gelatinate vegetable solutions, and thus favors digestion in all cattle. Horses are especially benefitted by the use of carrots. They should be fed to them frequent-

> A Horse's Petition to his Driver-"Going up the hill, whip me not; coming down hill, hurry me not; on level road, spare me not; loose in stable, forget me not; of hay and corn, rob me not; of clean water, stint me not; with sponge and hrush, neglect me not; of soft dry hed, deprive me not; tired and hot, wash me not; if sick or cold, chill me not; with bit and reins, Oh! jerk me not; aud when you are angry, strike n

> Covering the edge of a manger with tim or sheet iron, will prove an effectual remedy to the practice indulged in by many horses, of biting the crib or manger.

How to Kill a Fowl. - A writer on poultry says the easiest, quickest and best way to kill denses the moisture rising from the soil, and the back of the roof, which will divide the temperature. For this reason the soil under which hang the fowl np hy the legs till the



THE GRAVITY OF MOUNTAINS.—The peudulum experiments now carried on iu India in connection with the great trigonometrical survey, nuder direction of Lieut. Colonel Walker, R. E., have led to certain new and important conclusions as regards mountain attraction. Theoretically, the nearer the observing stations are to the Himalayas, the greater should be the force of gravity; but the reverse is found to be the fact, and the difference between theory and fact diminishes with the increased distance of the stations from the hills. Commenting on this phenomeuon Col. Walker writes: "This seems a remarkable confirmation of the Astronomer-Royal's opinion that the strata of earth below mountains are less dense than the strata below plaius and the bed of the sea.







# Farm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MARCII 2, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillars in a cluster—the largest in the centre, and that largest is Agriculture.—DANIEL WEBSTER.

#### DOMESTIC FERTILIZERS.

The effects of a proper application of organie ehemistry and vegetable physiology to the eultivation of the soil, are obvious. Heuee, experiments iu agricultural seience are more tenacionsly bent in that direction. To produce both the largest and best erops from a given surface, is the desideratum of suecess.

A fertile soil is necessary to exhibit the eapabilities of a erop. Many of our agricultural which an artificially fertilized soil was the prin- will be abundantly remunerated. cipal factor. The originals of our numerous varieties of turnip, eauliflower, broeeoli aud cabbage, are wretehed weeds. Different plants, from peculiarities in their structure, draw differently on the same stores of nutriment. Rye will grow where wheat is uuprofitable; while buckwheat will yield a fair erop on exceediugly poor soil. A plant which is of slow, protracted growth, will organize more vegetable matter on a given soil during a Summer time than one which grows quickly.

The elements on which plants feed are derived from the air and earth; in the former, are ammonia, carbonie aeid, aud water; in the latter, are silicic and phosphoric acid, potash, lime, and magnesia. Water is the vehicle by which they are brought to the roots as well as circulated through the structure of plants. All the elements necessary to the constitution of a plant must be present. Animals instinctively select their appropriate food from the vegetable kingdom; vegetables take what is nutritive from the earth and air; and the earth itself appropriates from the water, which permeates its partieles, whatever is useful to the plant.

Now, while Agricultural science may never be able to demonstrate to a nicety what ingredients in the soil should be fostered and maintained, and which subdued or removed, there are certain general principles of which none of us should remain ignorant. It is well known that vigorous vegetation rapidly exhausts the soil, and that those manures which restore the elements of which the soil has been robbed, are the most nutritive. Some substances merely qualify the physical properties of soils and are termed amendments; others operate in the main by feeding vegetation, and are known as fertilizers. Most manures combine these several offices to a greater or less degree; some nourish directly, by supplying at once to the growing plant the nutriment it requires; others, indirectly, by making soluble the stores of the soil, or otherwise disposing them to assume assimilable forms, or by absorbing matter from the atmosphere. The most permanent and abundant manures are the excrements and waste of animals. These are the residue, more or less concentrated, that remains from the oxydation of vegetables which have served as food. And by their admixture, under the more speedily assumes a suitable condition for uourishing fresh vegetation.

The great practical lessons rience and confirmed by science, relative to the \$40 per ton, and good corn fodder worth half use of manures, are—save all refuse which contains any of the elements of regetation; apply ness. abundantly the mixed ingredients of the dung and compost heaps.

Commercial manures should be used eautiously, experimentally. Those very rich in nitrogen will ultimately impoverish land by virtue of the great energy of action they exhibit. The nitrogen passes into ammonia, excites a quick growth of vegetation by furnishing abundance of material for cell development, while it at the same time rapidly solves the fixed minerals of the soil.

Stable manure is of iuestimable value. It is formed of vegetable substances, and it has only to be rendered friable and soluble to enter

should not be added to the manure heap of the stable, as they will do harm by setting free the ammonia. Next iu value are the composts.-No prudent farmer will underestimate them.-In some out-of-sight corner should be accumulated all the rubbish that ean have the least value as mauure. Here ean be thrown the sweepings of the yard, deeayed vegetable matter of all kinds, old plaster, soot, charcoal dust, soap suds, kitchen and chamber slops, etc. The heap should be dug over oceasionally, adding ashes and lime. The ashes of burned vegetables are worth hoarding up. They contain all that the plant necessarily derived from the soil, the burning process merely having expelled the gases which were immediately or remotely derived from the air. It is folly for the country to spend millions of dollars annually for manures from the Chinea Islands, when on every farm exists or can be produced, without cost, better and more reliable fertilizers. Let our agricultural friends remember these desultory plants are the result of high cultivation, in remarks. By putting them into practice they

#### PRACTICAL ECONOMY.

Tims is something that a great many stirring, driving, enterprising farmers need to learn and practice in the management of farm affairs. Rural fortunes do not come alone of energetic industry, plowing, planting, digging, delving and slaving. All these united, ungoverned by systematic economy, will only run a farmer to ruin in his affairs, and himself, ahead of Father Time, into eternity. Making economy 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 fourfold more certain.

In no other avocation is it possible by neglect. 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 the 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 eeouomy in saving property once acquired, than there is in the perseverance and industry exercised in its acquisition. Neglect in producing that which is property, may possibly be pardoned; but willful negleet, permitting property once produced to be needlessly wasted, is absolute wrong.

It is a late kindness to advise a lookout for thieves after the property has been stolen; or caution against fire after the home is in ashes. So it is late, perhaps early, or between both, to remind farmers 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 attending to. But the cause of our present complaint is of 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 counted seven fields in which the corn fodder of last year's growth was still standing, out-door sentry in shocks only about one-third of the whole corn-stalk over by winds, or beaten down by snow, lying for all feeding purposes. With hay at \$35 to and pears are also good. that price, such waste is unpardonable wicked-

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 economy; and we ask every farmer living along that liue of railroad, and all others, everywhere, to look at their wasted products, their broken down feuces, their dilapidated outbuildings, their neglected implements, and again into their composition. Ashes or lime all must practice in order to prosper,

#### VEGETABLE PHYSIOLOGY.

Is it not strange that those who are daily oeeupied in the eultivation of plants on the farm, should feel so little interest in their nature and structure? No intelligent farmer, at the pres ent day, with all the facilities which libraries and associatious have brought within his reach, should remain content to regard the plant as so utueh inert matter; but should think of it as a wonderful organism formed and perfected by a most skillful Architect. The contemplation of a grain of "Timothy," before being committed to the soil, and the changes that oceur afterwards, are sufficient to awaken his reasoning powers. Why does the dry seed so long remain unchauged, and when placed within the reach of moisture, heat and light, so rapidly evinee vitality? What is there in its miuute structure to produce such phenomena as those of germination and growth? The physiologist has with much eare and labor investigated its eouposition and structure.-That small seed, so like chaff, has been formed by the parent plant, by a very wonderful process; and within its apparently dry eoat, are the mother-eells, upon which are impressed a certain form, and to which are committed the power to reproduce cell upon cell, until the full grown plant is built up—subject, however, to the various agencies of the soil and atmos phere. In the nature of that cell formation, there lies a wide field for study, and an almost exhaustless subject for human research. How the original cell is formed, remains a mystery. Where the formative power lies that builds up a certain form, from a minute embryo, is also a mystery—the mystery of creation. The nature of the plant cell has been too little studied; its chemistry is a problem sufficient to tax the brightest of humau iutellects; yet upou the ehemical 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 closely allied to the pear in its nature and structure; yet experience proves that there is a dissimilarity—the two growths unite, that is, the cellular structure, or cells of the quince wood, grow together with those of the pear seion, brought into close contact with each other. The ordinary functions of growth or extension appear to 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 developed, but not with natural vigor; in some instances a little force breaks off the coutact, as with the Bartlett, after several years of apparent union, and the apparent union being exposed, was no union. This is owing to a dissimilarity in the chemical processes by which the cells are built up and uourished; each species has its own formula, each series of cells their own peculiar structure and wants. The process by which the cell is supplied with the materials which it assimilates, and from which the plant is built up and sustained, namely Endosmose and Exosmose, should be well understood by every gardener and farmer.

FRUIT PROSPECTS. - A correspondent in New Jersey, writes that he has made a wide circuit among the peach orchards, and finds the prospect good in most of them, though some are agencies of warmth and moisture, the soil brigade was not standing, having been blown much injured. He finds strawberries, raspberries and blackberries in first rate condition, flat, bleached, wet, water-soaked and worthless and promising well for the season. Apples

> QUICK TIME. - The mare "Lady Chapman," trotted on the ice at Camden, Maine, on the 14th of February, on a measured full mile track, making the first heat in 2.28, and the seconds in 2.24.

> Plants of Chinese tea grown in North Carolina, are now five feet in height and in full bloom. Five pounds of "Bohea" made in 1865 from the leaves, were considered equal to the best imported.

THE DIFFERENCE. - In 1840 the value of all the dairy products of New-York was estimated at a little over \$10.000.000, In 1865 the but-"turn over a new leaf." Economy is what ter product alone, in that State, was over \$60,-000,000.

THE HISTORY OF THE POTATO. - In a paper eeently read by a Mr. Crawfurd in London, on The Relation of Plants to Ethnology," a very short but complete account was given of the introduction of the potato into Europe. The potato is still found on the western slopes of the Andes, the tubers, however, being no larger than the common filbert. Even the Indians, said Mr. Crawfurd, cultivated the potato before the arrival of the Europeaus. It was first brought from America to Ireland, where it was cultivated in 1656; but it is said to have been introduced into Spain and Portugal even before that date. It is a well authenticated faet, that Col. Mure of Caldwell, in the west of Scotland, within the present century, had some indurated elay soil taken from a coal-pit being sunk on his estate, forty feet beneath the surface, which he earefully treated so as to prevent its being impregnated by any floating germs of seed; and that from this piece of elay several exotic plants nuknown to the local botany eame, aud also one which turned out to be a species of the Solanum tuberosum, or potato. The produce of that plant (which in four years after its discovery bore large white potatoes) is now cultivated extensively in the west of Seotland. The story is a strange one, but it is true, and has been solemnly attested by Col. Mure, who was lately a member of the English Parliment from Renfrewshire, Scot-

WHAT IS PROGRESSIVE AGRICULTURE?—The New York Observer answers this question in a few words, but very comprehensively, as fol-

Under its influence spring tasty and conveuient dwellings, adorned with shrubs and flowers, and beautiful within with the smiles of happy wives, tidy children in the lap of thoughtful age-broad hearts and acts, as well as words of welcome. Progressive agriculture builds barns and puts gutters on them, builds stables 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 eare of the old ones. It drains low lands, cuts down bushes, buys a mower, house-tools and wagous, keeps good fences and practices soiling. It makes hens lay, chickens live, and prevents swine from rooting up meadows. Progressive agriculture keeps on hand plenty of dry fuel, and brings in the oven-wood for the women. It ploughs deeply, sows plentifully, harrows evenly, and prays for the blessings of heaven.

AUTOMATIC PLOW. - In a late number of the N. Y. Observer was a notice of an automatic plow which was seen operating in a field near the city. A two-wheeled iron truck is secured to the plow-beam, one wheel running in the furrow, and the other on the surface above it. To make it run level, the furrow wheel has several inches of diameter more than the other, which throws the plow, as it were, on an even keel. A sway-bar regulates the size of the furrow-slice as in the ordinary plow, while the depth is adjusted by means of a serew. This plow, it is said, requires up guidance, hence is destitute of the handles common to the others, and so perfectly does it work that a small boy is competent to the management of it. The trial was made in soil of a clay and gravelly texture, and though stones of considerable size were occasionally encountered, the plow was not thrown out, but cut a furrow with more uniformity than is eustomary with plows with handles, and under the guidance of ploughmen of mature years. This implement is said to be much used in Germany, where it is regarded with marked favor.

### TO OUR PROVIDENCE SUBSCRIBERS.

A PORTION of our subscribers in Providence have had much trouble in receiving their papers, owing to the rascality and defalcation of Robert Lucien Messenger, a former canvassing agent for the FARM AND FIRESIDE. Every dollar he received was kept by him, and he sent only a partial list of the ubscribers' names. The Publisher bolds himself responsible to furnish this journal to all who subscribed to said Messenger prior to Feb. 5, 1967. Such subscribers will please notify us of any failure in receiving their papers



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 has been clearly enough shown, and as any man can clearly enough see, if he gives the subject a moment's thought. Bed with straw, which is plenty, or sawdust, or tan bark, or shavings. The dryer these materials are the better. Every day remove the moistened bedding and replace with new. Such a floor, well bedded, adds greatly to the warmth of a stable, and thus becomes a fodder saver. The small holes and crevices in a floor with good bedding upon them, will let little or no cold in, and drain the stable.





## Fireside Readings.

[From Whittier's "Tent on the Beach," just published.] SONG.

> The harp at Nature's advent strung The song the stars of morning sung Has never died away.

And prayer is made, and praise is given By all things near and far: The ocean looketh up to heaven, And mirrors every star.

Its waves are kneeling on the strand, As kneels the human knee Their white locks howing to the sand, The priesthood of the sea!

They pour their glittering treasures forth Their gifts of pearl they hring, And all the listening hills of earth Take up the song they sing.

The green earth sends her incense up From many a mountain shrine; From folded leaf and dewy cup She pours her sacred wine

The mists above the morning rills Rise white as wings of prayer; The altar curtains of the hills Are sunset's purple air.

The winds with hymns of praise are loud Or low with sohs of pain, The thunder-organ of the cloud, The dropping tears of rain.

With drooping head and hranches crossed The twilight forest grieves,
Or speaks with tongues of Pentecost From all its sunlit leaves.

The hlue sky is the temple's arch, Its transept earth and air, The music of its starry march The chorus of a prayer.

So Nature keeps the reverent frame With which her years hegan, And all her signs and voices sham The prayerless heart of man.

#### FLOWERS IN THE WINDOW.

For the first time since its completion, Harry Waldron and his yonng bride went over their new house together, one lovely morning early in Jnne. And a charming, nice new honse it was, with the prettiest, neatest, best bread. arranged kitchen a yonng honsekeeper like Amy could desire; with the coziest diningroom, the brightest and most tasteful parlor, the airiest and pleasantest of sleeping apart-

And when they had been all over the honse together they came back once more to the sitting-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, letting in the soft June snnlight, and the lovely June air, fragrant with the odor of flowers in the window. Harry's hand-the careful hand of a young and loving husband—had alike for the poor and the rich. had the arrangement of everything in and about his pretty little household, and with a bappy heart he watched his wife's pleased thing to another about her.

"Yon like it all, Amy?" he said with a

"Oh, yes, Harry, and these beantiful flowers! I shall sit by the window the whole

not only pleasant to us, but to many a poor equaled by their fresh and spotless look. Howers. Their perfume lingered yet around of seventeen millions, only three millions can passer-by, who sees such things rarely. I Every day she came by the window; and every thought of it while I was placing them there. day she received from Amy's gentle fingers a I thought, perbaps, that it would be so pleas-knot of fragrant blossoms. ant for you, as you sit in this room, to see little children going by and looking up to the this smile, with the little girl's grateful look, THE WINDOW. flowers in your window; and you would cut and low-spoken earnest thanks, were all that off for them some of the blossoms they may covet. So that perhaps our flowers may make There was not a day in which this child failed some other hearts as happy as ours.'

her kind and thoughtful husband, Amy turned with him at last from the window. She flowers. remembered them the next day, when Harry was gone away to business, and she came into the sitting-room to water her plants. Stand- came at last to make a point of asking each ing behind their blosoming screen, she sbower- evening if she had been during the day to reed the bright drops upon them till their leaves ceive her flowers. hnng wet and glistening; and while sbe watched the colored rays of light glancing through asked thoughtfully once. the dripping water, a party of merry school children came running gaily by.

a gay little girl of ten, who made Amy think are so many others who come in the same of her favorite little sister Sarah, whom she way, and I should never think of asking so had left behind when she came from the conu-

And the children half-stopped, looking partly at the flowers, and partly at Amy's pretty help." face behind their thick-clustering leaves .-Smilingly Amy slipped off a knot of gay blossoms and scattered them suddenly among the childish group. There was an eager scrambling, a merry langh, in which Amy's was not business; Amy was sewing a buttou on his the least merry or sweet-a chorus of thanks, and the children, with their fragrant treasures divided among them, ran on to school. Later inear, till there was a gentle knock at the streeta little pale, ragged boy came by, selling lncifer- door, and Amy answering its summons, be-

"Do you want any matches, please, ma' ma?" he asked, looking at Amy through the she said kindly, taking one of the tiny hands window where she sat sewing.

Amy's purse came ont—a tiny piece of silver was drawn from it, and she placed it on the sill ontside, while the boy drew from his basket half a dozen boxes of his wares, and passed them 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 me, 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 cluster 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 bloomiug 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 long, and had died that morning; and she had pittance to buy her scanty portion of daily come to let the lady who had been so kind to

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 green 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 honest poverty, they found what they were costly toys; the little lame child forgot that he was lame; while sitting down on a doorstone he leaned his head upon his hand, and with with their snowy curtains drawn back, and curious eyes studied the mysteries of every weeping for the treasure she had lost; and silken leaf and bnd, thinking how wonderful they were, and remembering something he had heard of a kind Hand that made flowers

And thus, while Amy scattered flowers, she was also sowing seed. Among her childish "pensioners," as Amy half playfully, half afeyes, glancing so bright, so satisfied, from one fectionately 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 known in life. It was already arranged for its terprise and education. In this respect even watching with interest. She was poorly dressed, yet clean and tidy-looking; the faded hues "Yes, Amy, and they will make the room and worn texture of her garments being only held a little bunch of fading flowers—Amy's and write. But in Spain, out of a population

Amy only smiled as she gave them; and passed between them on these occasions. Treasnring in her loving heart the words of shine or the rain fall, she came regularly, and the door and swallowed the dose. He held up never failed to receive her accustomed gift of

> Amy often mentioned this child in her evening conversation with Harry; so that he

> "Do you not know her name, Amy?" he

No, Amy did not.

"It is odd—but I never thought of asking F. F. W.; or, Fit for Wives.

"What pretty flowers!" said one of them, her," sbe said. "I suppose it is because there many their names, you know. But I mean to ask her to-morrow, Harry. Perbaps we may be of use to her, or to the family if they need

Auother morning saw the pale little girl coming along earlier thau usnal—paler than ever before, and her large blue eyes heavy and dim with tears. Harry had not gone to wrist-band as he sat by her at the work-table; and neither of them knew the child was so held the little girl standing there.

"Why, poor child! what is the matter?" in her own and leading her gently into the doorway-"what is the matter?"

The child's face finshed painfully, and Amy's tender words brought a burst of sorrowful

"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 more 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 husband, who had come out to the door.

"Oh, Harry—Harry!" she said tremnlous-"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 words 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 him know abont it.

"My child," said Harry, gently, "where do yon live? We will go home with yon."

And soon the hasband 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

A plainly, poorly-furnished, yet clean and tidy room, with a pale and sorrowing mother lying upon a narrow conch in the corner, that ere long he would exchange for one yet narrower, the rigid form of the young man-the child's dead brother—the widow's only son.

The sheet that covered bim was folded aside, discovering a pale and wasted, but beautiful and serene face, bearing the traces of a long illness, patiently borne; the heavy, gold-fringed lids were closed calmly over the full eyesthe fair hair smoothed away from the pleasant brow that seemed yet to wear the smile it had last resting-place. The thin, white hands

A QUAKER, intending to drink a glass of water, took up a small tumbler of gin. He did to pass the windows, not one day; let the sun not discover his mistake nntil he got behind churches and convents, while anything like a both his hands and exclaimed: "Verily, I have taken inwardly the balm of the world's people. What will Abigail say when she smells my

A Good Suggestion .- A down-east contem-

#### RELATION OF AIR TO LIFE

WE should like, had we space, to quote a few paragraphs from the chapter on the relations of the atmosphere to life; how the word "animal" signifies breath, and animated nature, breathing 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 breathless 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 leaves; the cedars of Lebanon take it in to add to their stature; the cocoanuts grow rich on it; the lotns plant will change it into flowers. Plants give oxygen to the air. The oak aud cedar, cinnamon tree, rhododendron and roses, each in their daily process of growth, nnpoison the atmosphere 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 leave this rich chapter until onr next leisure.

A Subject for a Pioture.—In a pretty country studio, seven miles from Fontaineblean, a gentlewoman was at work on a sultry day last June, dressed as French ladics who happen to be artists usually dress, in a blonse and petticoat. The gentlewoman was Mdlle. Rosa Bonheur, and she was painting cattle and grazing ground. Snddenly the door of the studio was opened, and without announcement of any kiud, a bright and charming woman entered the room, threw her arms around Mdlle. Rosa's neck, clasped a ribbon round it, from which depended a little cross well known in France. The charming visitor was the Empress Engenie. Mdlle. Bonhenr had never heard a word of this, or of this decoration being intended for her, and she sat down on a low stool and enjoyed a good cry, while the Empress chatted with her about her palettes, her pencils, and the delightful trifles of her art. Certes, the Empress Engenie knows how to enhance a graceful act by the added grace of doing it well.

Spain, although three centuries ago one of the leading powers in Enrope, is now the most backward in all that concerns progressive en-Turkey is in advance of her; for the Turkish were crossed upon the breast, and one of them children, -so the missionaries say, -can read the dead. He had died with them in his hand, read and write. Yet the priesthood number with the request that they might go with him no less than 125,000. If the enormons sums to his grave-with the blessing of the dying that are expended in the support of the clergy were devoted to the education of the ma that country would be raised from its degradation, and take its place in the ranks with Protestant nations. The wealth of the priesthood is very great and displays itself in costly common school system is disconraged. A free press does not exist, and accounts have recently reached ns of the imprisonment of three editors for the expression of liberal opinions.

GRAVE AMUSEMENT. -The following introduction to a piece of poetry in a late number porary advocates the establishment of semiu- of one of the religions papers, is quite novel aries for young ladies where spinology, knit- to ns: "The following lines were written ology, weaveology, cookology, &c., can be more than sixty years ago, by one who has tanght—the graduates to receive the degree of for many years slept in the grave merely for his own amusement.'



CLIMATE OF WESTERN TEXAS.—Rain is quite a rarity in Western Texas. When it does come, it oftener sprinkles than pours. There are occasional foggy days, but the sky is seldom clouded. What are known as "Gulf clouds" move very swiftly, and usually disappear by ten o'clock. This dry atmosphere gives to the sky a peculiar brightness and beauty. The winters in this section are mild. The terrible "northers" are much less frequent here than in other parts of the State. Last month, we are told, there were not more than two or three days when one wanted to keep near the fire.—This month the Western Texans are planting corn and gardening.





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\$2.00 PER ANNUM, STRIOTLY AND ALWAYS IN ADVANCE

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SEND A STAMP.-Specimen numbers of the FARM AND

FIRESIDE will be forwarded to any address, on the receipt of a three-cent stamp.

## Mates and Queries.

### IS TROTTING NATURAL TO THE HORSE ?

TRENTON, N. J., Feb. 26tb, 1867.

Editors of the Farm and Fireside:-

A friend of mine, well posted in nll matters pertaining to borses, contends that "trotting is not the natural gait of any 1 dispute this assertion; but what is your opinion?

Answer.-We are inclined to the opinion of your friend; ANSWER.—We are including a the idea. In speaking of a horse's NATURAL gait they will tell you be trots—but we believe trotting is an artificial or acquired faculty. In his wild state, the horse invariably walks or gallops.

#### SIZE OF BROOK TROUT.

Will the Editors of the FARM AND FIRESIDE, or any reader of sald journal, give the weight of the largest brook trout ever caught in the United States?

AN OLD ANGLER.

We cannot—could tell a large fish story, (our own experience) but cannot give AUTHENTIO information of the largest trout ever caught in this country.

## Miscellany.

THE CLIMATE OF MINNESOTA.—The climate of Minnesota is described by one who has enjoyed it for many years, iu substance as follows: In January the thermometer oscillates about zero, though it is oftener above than below it. Most years there is about a week of excessively cold weather, when the mercury falls to thirty or forty degrees. February usually 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 sowing. Corn is usually planted by the 12th of May. The weather begins to get warm, the mercury often rising to eighty aud even ninety degrees in the shade. June and July are very hot months. In June everything grows with startling rapidity. July has deliciously cool nights. August is a delightful month, as cool breezes are prevalent, and a cold storm is not unknown. September is generally honored with a slight frost. October is the most enjoyable 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 falling of the thermometer, 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.

SHANGHAI FOWLS.—The points which ought to distinguish the pure varieties of Shanghai fowls are as follows: Their general characternstics are great size, roundness and shortness of We quoto extra state, \$10.05@11.50; sbipping Ohio, \$10.60@ body, width of breast and neck, with medium 11.65; St. Louis extras, \$10.95@16. maturity furnish large eggs. The best breeders 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 PRAYER. -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 away outside of the gate, when mother tells me not to."-Mrs. Sigourney.

Written for the Farm and Fireside,

### SIGNS OF SPRING.

When highways begin to get heavy, The former, from mud's dark elixir, The latter, with that of delight ;

When the couch seems less like n snow-drift. Whereon nightly, like Trojans, we sleep, And the baby kicks off the clotbing Before morn, on account of the heat;

When cowslips appear in the brooklets, And the cowboy slips nfter the cows, But is thinking of nests in the nlders, While the farmers are thinking of ploughs;

When the sun warms the mountains and valleys, And the birds are beginning to sing, And the willows turn green by the river,—

O, then, we may he sure it is SPRING. Hartford, Conn., Feb. 27, 1867.

THE British Isles are not larger than the three 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 swarming millions of Europe 12c. Dressed hogs quiet but steady; sales 845 bbls. Whiskey that the United States, British North America, and Australia exist, to attract them to virgin Shipments-7,600 bils. flour, 3,800 bushels whent. soils and all but limitless land.

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending March 1, 1867.] FARM PRODUCTS, FUEL, &c.

Hay \$\Pext{0}\$ ton. \$\$23 | Wood \$\Pext{0}\$ cord.

Straw \$\Pext{0}\$ ton. \$\$10 50a12 50 | Potatoes.

Oats \$\Pext{0}\$ busb. \$\$85a90e | Onlons

Oats B busb	Ontons				
GROCERIES, &c.					
Flonr\$11a17 00	Raisins				
Corn Meal\$1 30	Molasses ⊕ gnl75a85c				
Rve\$1 50 !	Y. H. Tea				
Saleratus	Black Tea80cn \$1 20				
E Kerosene Oil	Oil 程 gal				
E Cheese # th24c	Fluid 78 gal \$1 00				
Rutter 29 th	Candles 1 lb 25a 10c				
Codfigh 8c	Ergs D doz40c				
Inva Coffee 39 th 25a50c	Lard # 1b16ac18				
Mackerel, new10a12c	Sugar # 1b14a18c				
MEAT	s, &c.				
Reef Steak	Hams14ai×c				
Reef, corned10a15c	Poultry20a28c				
Tongnes, clear20c	Shoulders15c				
Mutton9a14c	Sausages13c				
Veal10n20c	Tripe11c				
Pork fresh12n16c	Pork, salt15c				

### BRIGHTON CATTLE MARKET.

For the weck ending Feb. 27th.

At market for the current week: Cattle, 622; Sbeep and

Lambs, 6643; Swine, 70.

Beef Cattle-Extrn, \$13.50@\$14.00; first quality \$12.75@\$13.75; second quality, \$11.50@\$12.50; third quality \$10.00@\$11.00 \$ 100 fbs (the total weight of hides, tallow and

Country Hides, 9@9%c & lb. Country Tallow 7@7%c & lb. Rrighton Hides, 10@10%c & lb: Brighton Tallow, 7%@8c Fib. Lumb Skins, \$1.25@al.75 per Skin; Sheep Skins, \$1.25@

\$1.75 eacb.

Calf Skins, 17@20c 号 tb. There is but a small supply of cattle in market this week, and prices have advanced from 50 to 75c B bundred from our last quotations.

STORES-There are but a few Stores brought to market at this season of the year, except Working Oxen and Milch Cows. Most of the small Cattle are bought up to slaughter

WORKING OXEN.-There is a small supply in market and trade is very good. We quote sales of pairs nt \$170, 170, 190,

MILOH COWS-Sales extra \$80a110; ordinary \$60a75: Store Cows \$35a50. Prices of Milch Cows depend altogether upon the fancy of the purchaser. Extra Cows are in good demand. SREEP AND LAMBS-The trade for sheep and lambs bas been active and there was a larger supply in market than that of last week. We quote sales at 5%, 6%, 7, 7%, 8a8% c 3 lb.

Swine—There is a few Columbia County Pigs in market for

wblcb dealers are asking from 9a10c & to at retail.

### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

THERE has been much fluctuation in the wholesale market during the past week, and many staple articles have been neglected. Trade is much demoralized, and is in nearly the same condition it was after the panic of 1857.

FLOUR has Outlinated considerably, and closes with a hetter tone. Owing to the large stock here, buyers operate cautious-

ly. Prices are about the same as last week. The stock is reduced to about 435,000 barrels, which is large for the season.—

body, width of breast and neck, with medium will be been held with more firmness, which has restricted transactions to their weight. pure breeds are close-feathered; their flesh is tions. Prices are nominally five cents higher than last week.—
The demand is confined to millers, who operate cautiously, the high prices causing them to hold off. At the close the market is flavor. They are prolific layers, and when at quiet at \$2 10@2 18 for No. 3 Milwaukee; \$2 20@2 30 for No. maturity furnish layers aggs. The best breed. 2 Milwaukee; \$2 95@3 06 for amber state; \$3@3 20 for white Canada. Barley has fluctuated considerably, and closes steady, with a moderate local inquiry. The stock is reduced to about 1,700,000 bushels, which is large.

RYE has been offered freely, and declined materially, closing Oat. There is a moderate export and local demand at \$1 12@ 1 16 for western; \$1 12 for Canadian in bond, and \$1 25@1 27 for state. The stock on hand is about 570,000 busbels, which is

OATS have been more active at changeable rates. Early in the week prices declined, but bave since recovered, closing with an upward tendency. The stock is now about 2,500,000 busb-

CORN has been much depressed, owing to the unfavorable news from Europe, and liberal arrivals from the West. Prices are about four cents lower than last year, closing at good de mand for \$1 06 western mixed in store, and \$1 07 aloat, and \$1 07@1 09 for Jersey yellow. The stock is reduced to 1,300, 000 busbels, which is large for the season.

Provisions have been comparatively quiet, but notwith-standing the large arrivals prices of pork bave improved. The

speculative demnnd has greatly subsided. The market closes

quiet at \$20 25 for old, and \$21 for new mess.

BEEF has been more active, principally to sbip enst. Price are well sustained at \$9@12 for plain old mess, and \$11@18 for new; \$12@15 for old extra, and \$17@21 for new extra.

BAOON has been more notive and prices are firmly supported. There is more inquiry for export.

CUT MEATS are more plenty and prices are more casy.

### ALBANY CATTLE MARKET.

CATTLE are higher this week, the advance being at least one half cent per pound live weight. The cattle are of average quality, with the exception of a few droves of premium which were not sold bere. Prices range from 7n8c for ordinary to fair, 8½a9c for good to prime fat and 9½a9½c for extra. Total receipts 2'50 head.

SHEEP are 1%c higher; sales quick at 6a7c for common to good, and 7%a8%c for extra; 8%c for extra to preinlum; recipts 4000 hend.

Hogs-Sales at 73/a8/4c; market firm; receipts 2400 head.

#### WESTERN PRODUCE PRICES.

CHICAGO, Feb. 27 .- Flour firm and moderately active. Wheat In fair demand; No. 2 at \$1 85al 85½; but little doing in No. 1; sales at \$2 18a2 19. Corn firm all the week, but to-day gave way and declined 6a2c; light sales No. 1 at 79a81c, closing with sellers, but no buyers. Oats fairly active; 44,000 bushels changed bands at 41n42c. Rye In good demand and advanced 2a3c; sales at 90ca\$1, according to location. Lard dull at 1134a hbls, four, 17,000 bushels wheat, 12,000 hushels rye, 1,700 hogs.

#### THE COAL TRADE.

THE trade continues very dull, and prices are nominal. Vessels are moderately plenty, but the snow storm of the past week has bnd the effect of making cuptains less anxious to go around Cape Cod unless well remunerated.

The freight and toll over the Philadelphia and Reading railroad have been announced, the schedule being the same as the open-lng rates of last spring. These rates, if adhered to, will prevent shipments from Port Richmond, as the prices at which the Lackawann coal can be furnished lu New York and shipped to the eastward will prohibit the Schuylkill coal from coming in competition.—[Philadelphia North American.

### Special Plotices.

ALBERT COMAN SMITH Is a duly authorized agent to receive and the FARM AND FIRESIDE.

Woonsocket, Feb. 22, 1867.

TLOUR OF BONE AS A FERTILIZER.—MR. S. N. HUB-RAED, Brimfield, Mass., says: "I will acknowledge the receipt of the FLOUR OF BONE from you last spring, which I have tried on Corn. Potatoes, Cabbage, Turnips and Grass, and am satisfied that it is a very valuable fertilizer." The PURG. UNBURNT, FANDILIERATED FLOUR OF BONE is made solely by the BOSTON MILLING AND MANUFACTURING CO., who guarantee its PURITY. General Agency, 8 Central Street, BASTON. Mass. [3m-8]

## Marriages.

In Cumberland, 20th ult., Mr. T. Con. Morfoed, of Long Branch, N. J., to Miss Annie E. Haerington, of Cumberland. In Rurrillville. 23d ult., by Rev. A. A. Presby, Mr. HENRY J. BROWN to Miss Prescilla Mathews, both of B.

In Providence, 19th ult., by Rev. Henry Waterman, D. D., WILLIAM GODDARD, of Warwick, to Mary Edith, eldest daughter of Hou, Thomas A. Jenekes, of P.; 24th ult, by Rev. Charles A. Snow, Mr. Rorerte, Swan to Miss Geodolanna E. Cornell, of Warwick.

In North Providence, 1-th ult., Mr. Renjamin C. Bentley, of Westerly, to Miss Henrietta Clark, of Providence.

In Pawticket, 19th Mr. Panell, H. Arnold, of Providence.

In Pawtucket, 19th ult., Mr. Daniel H. Arnold, of Provience, to Miss Clara Jenks Moies, of Central Falls.

In Centreville, 21st ult., Mr. John H. Nioholas to Abbie D. Jenkins, both of Natick.

In North Schuate, 11th ult., by Rev. Mr. Bowen, BENJAMIN JOSLIN to ROSIE B. PIEROE.

In Warren, 23d ult., Mr. CHARLES EDWIN WHITE, of South Providence, to Miss JENNIE B. HAWKINS, of W.

In Chloopee Falls, Mass, 17th ult., Mr. John B. Goff, of Springfield, to Miss Sarah A. Bracket, dungbter of Dea. P. Bracket, of Webster.

In Milford, Mass., 14th ult., Mr. Dexter M. Eames to Miss Emma D. Ware, all of Sherborn.

In Worcester, Mass., HENRY W. CORNETT, of Porlland, Or-egon, Senator elect to the 40th Congress, to Miss EMMA L. RUGGLES, daughter of Draper Ruggles, Esq., of Worcester. In Holliston, Mass., 2d ult., Mr. WILLIAM FORBES to Mrs. JANE E. WOLFORD, of H.

In Hopkinton, 18th ult., Mr. George M. D. Claflin to Miss Josephine Carpenter.

In Putnam, Conn., 17th ult., Mr. Staoy Rodgers to Mrs. MARY S. MANN, both of P.

In Thompson, Conn., 23d ult., JOSIAH F. GREENE to MISS MARTHA J. DORE, botb of North Oxford.

### Deaths.

In Union Village, Smithfield, 20th ult., MARY PASSMORE, ridow of the late Col. Comstock Passmore, nged 90 years and 0 months.

In Quidnick, 17tb ult., John A. Webe, son of Joseph C. and Susan P. Webe, aged 19 yerrs. Hi belonged to the 24th Mass.

In Cranston, 21st ult., MARY, wife of Daniel Searle, aged 51.

In Bristol, 20th ult., FANNIE T. G., daughter of William M. and Sarab T. Coit, aged 5. In Johnston, 24th ult., ELLA M. PEOK, daughter of Alfred O. and Cordelia Peck, aged 9.

In Grafton, Mass., 24th ult., Carrie J., daughter of Warren L. and Lizzle B. Munyan, aged 11 months.

In West Milbury, Mass., 25th ult., AMASA C. WOOD, (of the firm of A. Wood & Sons), aged 51.

In Mendon, Mass., 16th ult., BENJ. BATES, aged 87.

In Milford, Mass., 14th ult., LUOY ADAMS, aged 71; 20th, PARTHENIA E. DAVIS, aged 36.

PARTHENIA E. INVIS, aged 36.

In Holliston, Mass., 17th ult., SAMUEL P. SMITH, aged 62.

In Webster, Mass., 19th ult., Mrs. AMY L. SHUMWAY, wife of George W. Shumwny, aged 31.

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

In Putnam, Conn., 13th ult., Mrs. ANN SPENOEB, aged 48.

In South Killingly, Conn., 13th ult., LYDIA J. FISK, aged 30.

## Advertisement.

## The American Tea Company.

## THE IMMENSE PROFITS

OF THE

### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY hecame fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COMPANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price,

To give our readers an idea of the profits which have been

made in the Tea trade, we will start with the American houses, lenving out of the account entirely the profts of the Chinese

let. The American House in China or Japan makes large profits an their sales or shipments—and some of the richest retired merchants in this country have made their lumense fortunes through their houses in China.

2d. The Banker makes large profits upon the foreign exchange used in the purchase of Teas,

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

4th. On its arrival it is sold by the enrgo, and the Purchiser sells to the Speculator in involces of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these Eight profits as many broker-

When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer bas to pay. And now we propose to show wby we can sell so very much lower than small denlers.

We propose to do away with all these various profits and brokerages, cartness, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small

profit to ourselves—which, on our large sales, will amply pay us.
Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Tens at the same price (with the small additional expense of transportation) as though they bought them at our Ware-

Some parties inquire of as bow they shall proceed to get up a club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee be wants, and select join in Britis ay now much tea or conce be wants, and select the kind and price from our Price List, as published in the pa-per or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate puckages, mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount ordered express thirty dellars, we will it destreat sand the scokes by

ed exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will he ns liberal as we can afford. We send no complimentary packnge for Clubs less than \$30.

Partics getting their Teas from us may confidently rely upon

getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

### PRICE LIST:

YOUNG HYSON (Green), 80c., 90c., 81, 81 10, hest \$1 25 \$7 lb. GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 \$7 lb. MIXED, 70c., 80c., 90c., best \$1 \$7 lb. MIXED, \$1, \$1 10, best \$1 25 \$7 lb. OOLONG (Black), 70c., 80c., 90c., best \$1 \$7 lb. HYPERIAL (Green), best \$1 57 lb. ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 29 lb.

\$1 20 \ 1h. GUNPOWDER (Green), \$1 25, best, \$1 50.

These Teas are chosen for their intrinsic worth, keeping in mind henlth, economy, and a bigb degree of pleasure in drinking them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, being composed of the best Foo-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who bave acquired a taste for that kind of Tea, aithough it is the finest imported.

Customers can save from 50c. to \$1 per lb by purchasing their cas of the

### THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Rox No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 30c., 25c., best 40c. per pound. Hotels, Saloons, Boarding-house keepers, and families who use large quantities of Coffee, can economize in that article by using our French Brenkfast and Dinner Coffee, which we sell at the low price of 30c. per pound, and warrant to give perfect satisfaction.

In Providence, 25th ult., Daniel Buffinton, aged 72.

In East Providence, 23d ult., Miss Sally Walker, aged 71.

In Providence, 25th ult., Mr. Daniel Fish, in the 62d year of his age.

In Providence, 26th ull. Samufl W. Butts, in the 65th year of his age.

In Pawticket, 25th ult., Mary Elizabeth, daughter of Market, We feel it a saving of \$1 per pound. Please accept my A. E. Foster, aged 16 years.

In Onlights, 17th bit, Novik Washington, Pa.

E	press	, Martin Luther, Washington, Pa.	
1		MARTIN	LUTHER.
i	10 lb	Young Hyson, in pound packages at \$	1 25\$12 50
1	5 fb		1 25 6 50
		Young HysonHenry Herrickat	25 2 50
1		Young HysonGeorge Murphyat	25 2 50
1		Young HysonE. Dyeat	25 1 25
i		Young HysonSamuel Deckerat	25 2 50
		Young HysonSamuel Amonat	1 25 1 25
B	1 15	Young HysonHenry Wheatleyat	25 1 25
ı			25 8 75
ı		Young HysonMorgan Hayesat	25 2 50
3		Young HysonJohn Nattenat	25 5 00
ı		Young HysonMark Combsat	0.50
B	2 16		
i	8 16	Young HysonMiss Stuartat	00 2 00
i	2 15	Oolong, best Miss Stuartat	
3		Young HysonO. Baylandat	
i	2 lb	Oolong, bestO. Baylandat	00 2 00
	2 lb	Young HysonJ. Richleinat	
į	2 lb	Young HysonMr. Gnytonat I	
ı	2 lh	Young HysonEdward Murphyat	25 2 50
-	2 lb	Young HysonMrs Murphyat	25 2 50
	5 fb	Oolong, best Henry Hull at	. 00 5 00
	2 to	Oolong, best Separate package at 1	. 00 2 00
-	5 th	Ground Coffee Separate package at	35 1 75

In Moosup, Conn., 13th ult., William Daley, aged 5.
In Dayville, Conn., 20th ult., Pateick McEnter, aged 58.

In Dayville, Conn., 20th ult., Pateick McEnter, aged 58.

DOUBLE STORE.



SAVE THE WASTE BONES.—There is in almost every family a daily waste of bones, that if saved and applied to the roots of the pear trees and grapevines

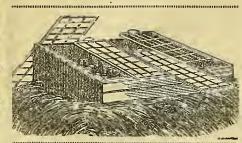
in the garden, would supply yearly sufficient manure for one hundred plants.

We have seen the roots of a pear tree turn from a two-thirds radius of the circle to embrace and feed upon a few boues that were buried on one side of the Hoare, in his 'Treatise on the Vine,' gives an account of the roots of the vine passing through dry clay to reach a bone, giving out no lateral or fibrous roots until it reached the boue, but when there, sent out numerous fibres, perfectly embracing and covering it.





## Marticulture.



THE HOT BED.

Every gardener knows the value and use of the Hot-Bed. We do not write, in this iustance, to instruct the professional gardener, hut rather the farmer and everybody in general 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. It will depend upon the wants required. A frame six by niue or twelve feet is a good size. Having the frame 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 using. Then select a suuuy aspect-south-east is best-and mark off a space one foot larger thau the size of the hox. Over this space huild the manure precisely as though it was a hay-stack—that is, layer after layer, even all around, uutil the desired height is obtained—say two or three feet. Press it down firmly, and get on the frame aud lights. Take the fork and well kuoek in the sides of the bed, which will assist in preserving a uniform heat. Let it stand a few days, and if the heat has risen, put in six to nine inches of good soil. Insert a "trial stick," and when, on withdrawing the same, it is found comfortably warm, the seed may he sown.

Sow whatever you wish for early use-such as radishes, lettuce, tomatoes, peppers, cucumhers, etc. All these are to be transplanted exeept the radish. After the seeds are sown, cover with half an inch of soil, press the same gently with a board, and water sufficiently to settle the soil. Air must be given in sufficient quantities to keep the temperature under 65° without sun heat. When the plants begin to appear, give air quite liberally every warm day, and ultimately take off the glass altogether-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 the season is sufficiently advauced. Radishes and lettuce may he had without transplauting.

POTATO PLANTING .- Mr. Brown, of Long Island, has recently published an interesting experiment touching the butt ends and seed ends of potatoes. Last spring he planted four rows of equal length, of two varieties of potatoes. In one row, with each variety, he plauted only the "seed euds" of the potato; in the other, the opposite, or "butt ends." These were the pink eyes and the peach blows.-The yield was as follows: Pink eyes, hutt 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 were much larger than those from the seed ends, and appeared to be from a week to ten days earlier. Had the whole field been planted with butt ends, the yield would have been more than 500 bushels to the acre.

wish to call attention again to an infusion of 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 one or two hours. It is one of the best remedies ary and February. The last lot we delay putfor hooping cough, standing next to belladonna ting away as long as it is safe to risk it-say and stramonium.

PRIZE TURNIP CROPS.-A committee at Guelph, C. W., awarded a prize for a crop of 64.000 lbs. of turnips from an acre of land. The second prize was given for a crop of 60 .-52.320 lbs. The committee recommended nine to twelve inches apart in the rows.

### NEW METHOD OF CULTIVATING CELERY.

THE following, from the Agricultural Report, will be found highly interesting to gardeners, as it dispenses with much labor and unsightly disfiguration of garden grounds in the production of this excelleut vegetable.

As the cultivation of celery is but very indifferently understood, and an immense amount of useless labor given to its cultivation in many parts of the country, I will describe our practice of it at more length than other vegetables. This system is suitable either for private use or for market or garden culture.

The ground best suited for eelery is a heavy loam, 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 doubt it requires abundance of moisture; but at the same time it is quite as impatient of a soil where water stagnates as any vegetable we

The system we now adopt is much more simple than that in general use. We entirely dispense with trenches, thereby saving a great deal of extra labor. The crop is planted on the flat surface, iu the same manner as any other vegetable, in rows (for the dwarf varieties) three feet apart, by six iuches between the plants. In planting great care should he taken that the roots are properly formed. The safest plan, after planting, is to press by the side of each plant gently with the foot, so as to compact the earth around the root until the new rootlets are formed. This practice should he rigidly observed in planting of every description, as much disappointment is caused by the omission of this very simple precautiou.

After plauting nothing more is required for six or seven weeks but hoeing between to keep down the weeds. By the end of August the cool and moist atmosphere quiekly induces a 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 spreading. This time it had better be done by the spade, and raised to at least half the height crease of growth. Iu two or three weeks after the last earthing up, it will be blanched suffi- els, multiply by 8 twice and point off two. ciently for use. This is the process required for what is to be used until the middle of December. That which is wanted for late winter usc requires but little labor, as it should never 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 against it soil enough to keep the plant in its upright positiou, which is all that is necessary until it is dug up to be put away in the trenches, wherein it is to be kept during winter. This is performed in the following manner: Dig a trench or draiu in a dry spot as narrow as the spade will allow, say ten or twelve inches wide; and of 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 will be level with the surface of the ground. It will be understood that the celery is packed in this trench or drain perpendicularly, so as to fill it completely; no earth being put between the plants, nor even to the roots, as there is always moisture euough at the hottom of the trench to keep the plants from wilting. The time at which this operation is performed has a great deal to do with its success. In grow-CLOVER HAY AS A COUGH MEDIOINE. - I ing this erop on a large scale in our market gardens, we begin to put the first lot away in the trenches by the 25th of October, which is blanched fit for use by the middle of December. Our second lot is put away about the 10th of November, which is that used in Januthe 20th of November. This almost invariably keeps in fine order until March. Atteution to dates in this matter is of the utmost importance, as hy putting it away too early the warm weather would cause it to blanch too quickly, while by delaying too long it might 330 lbs. The lightest of five other crops was get caught by frost, which usually comes severe enough to hurt it by the end of Novem-

up with straw or leaves, which must overlap the trench a foot at least on each side. The covering must be done at intervals as the season advances to severe weather, which is before the first of January. By this time it should have a covering of eight or ten inches. Covered to this depth it will safely resist the severest frosts, and the roots can be taken out with little trouble during the winter.

POTATOES-VARIETIES-YIELD.-In the Cultivator and Country Geutleman we find a communication from Jonathan Tallcott 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 White, 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 variety for the next season. Ohio Russet, equal to 200 bushels per acre; good potato and not much affected by the rot. Garnet Chili, 300 bushels per acre; large sized and but little affected by the rot. Fluke, a good baking potato; fair yielder, but not likely to be popular iu that region. Calico, a moderate yield and not promising for cultivation. Gleason, yield 24 bushels from half hushel seed; a promising variety. White Peach-blow, yields well, but is insipid, not a favorite. Jersey Peach-blow the same. Carter, a superior table potato, but much affected by the rot; their want of hardihood is against them. Prince Albert, a good variety and yielding ahout 300 bushels to the aere; its table qualities commend it for culti-

MEASURING POTATOES IN THE BIN .- The following rule for ascertaining the number of upright growth aud keep the plants from bushels of apples, potatoes, &c., in bins and boxes, is recommended as simple aud accurate hy a correspondent of the Mirror and Farmer: of the plants. The final earthing up may be for the number of "even" bushels, multiply delayed for a few days, so as to allow an iu- the number of eubie feet in the bin hy 8 aud point off one decimal. For "heaped" hush-

> CANADA THISTLES .- Many farmers are at considerable expense each year to prevent the iucrease or to destroy thistles which not unfrequently locate upou valuable portions of their farms. Geese eat thistles, and if allowed to feed two years successively where thistles grow, they will entirely disappear from those locali-

Messrs. Editors of the Farm and Fireside:

Please publish the following cure for the HOOPING COUGH:

One great teaspoonful of molasses; one teaspoonful of castor oil; one ditto of paregoric. Mix them, and take whenever the eough is troublesome. This mixture is excellent for any kind of cough.

THE consumption of horse flesh is increasing rapidly among the poorer classes in the different quarters at Paris. There are now durable, easily understood, and easy to operate. No skill is reopen no less than fifteen hutcher's shops for the crank.

exclusive sale of the new "vigade" and there crank.

From 15 To 25 YARDS CAN BE WOVEN ON IT IN A exclusive sale of the new "viande," and there DAY. are four restaurants where horse flesh is the distinguishing feature of the carte. At particular places in the provinces horse meat has become a staple article of trade.

## Advertisements.

### Rhode Island.

ILL RIVER IRON WORKS

W. A. HENNESSEY,......PROPRIETOR. Manufacturer of FLUE and TUBULAR STEAM BOILERS OIL and WATER TANKS, WATER PIPE and PLATE IRON WORK of every description.

Boilers repaired in a thorough manner at short notice. SHOPAT NORTH END, NEAR HARRIS'S NEW MILL Refers hy permission to

RIOE, BARTON & Co., Machinists and Boiler Makers, Worces-52.320 lbs. The committee recommended were enough to hurt it by the end of Novemplanting turnips in drills 28 inches apart, and ber. By the middle of December the trenches BELLOWS & WHITCOMB, Engineers, Worcester, Mass.

C. W. KIMBALL, Esq., late Master Mechanic U. S. Armory,
Springfield, Mass.

containing the celery must begin to be covered Hon. E. Harris, Woonsocket.

BARRETT'S EXTRA EARLY CABBAGE,—The hest and largest in the market. Price, 25 cents a paper. Raised and sold by Providence, Feb. 23, 1867.

HARMER WANTED.—A faithful and skillful farmer is wanted to take charge of a farm. His wife to understand making hutter and the care of poultry.

Address Box No. 3,

Providence Post Office,
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A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's und Cylinder Plows and Castings; Shares 8 Fatent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS the hest in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I

### Massachusetts.

K. BLISS and Flower Seeds,

Would invite attention to his large and well selected assortvarieties, both of European and Home Productions, the quality

ILLUSTRATED SEED CATALOGUE AND GUIDE TO THE FLOWER AND KITCHEN GARDEN.

FLOWER AND KITCHEN GARDEN.

THE THIRTEENTH ANNUL EDITION, enlarged and improved, contains 124 pages of closely printed matter, BEAUTIFULLY ILLUSTRATED with 100 engravings, also a splendid rontisplece of a group of recent novelties—and a descriptive ist of Two Thousand varieties of Garden and Plower ist of Two Thousand varieties of Garden and Plower ist of Two Thousand varieties of Garden and Plower ist of Two Thousand varieties of the past season—with explicit directions for heir culture—also a list of One Hundred and Twenty-five Varieties of French Hyberd Gladicus, including the leading novelties of the past season, with many other summer Plowering Bullis—consisting of Amaryllis, Tufferois added a list of the choicest varieties of Grapes, Strawberger, Rasperriers, and other Small Freding Strawberg-Lants, etc., etc., cultivated at his gardens, with much other schul information upon the subject of gardening generally, which will he found useful to all engaged in the delightful occupation of gardening. A copy of the Catalogue will be mailed to all applicants enclosing Twenty-five Cents. Our regular sustomers supplied without charge. Address

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STRIPED LEAVED JAPANESE MAIZE

Fehrnary 23, 1867.

### Pennsylvania.

MENDENHALL'S IMPROVED SELF-ACTING HAND LOOM.

In these days of SHODDY, and high priced goods, every family in the country should have one.

HALF THE COST

FARMERS!

don't sell your wool and buy SHODDY, when with one of these Looms in your house the GIBLS can make all the clothing for the family, and much hetter quality, at half price.

By late improvements, RAG CAEPETS can he woven with the FLY SHUTTLE.

For circulars, price list, and samples of cloth woven on the soom, address with stamp,

A. B. GATES & CO.,

333 Chestnut St., Philadelphia.

Also, Dealers in Cotton Warp, Wool and Flax Filling Yarns, Reeds, Harness and Loom findings generally. March 2, 1867.

## Connecticut.

TARMERS, ATTENTION.—Will he sold at Auction, at the Giles Farm, South Woodstock, Conn., on Wednesday, March 6, 1867, the following Live Stock and Farming Tools. Sale to commence at 10 A. M.

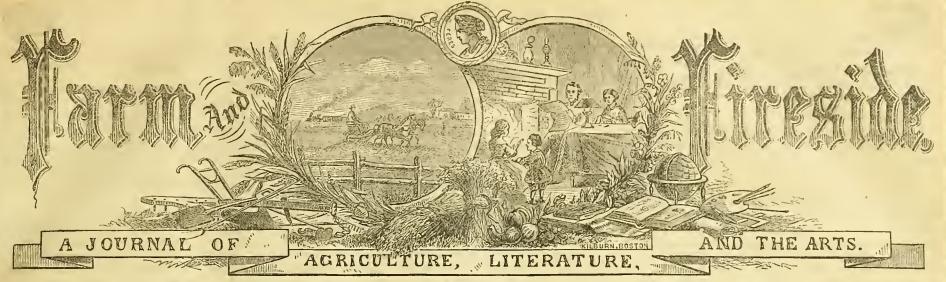
Three first class young family Cows, to drop their calves in March; one prime pair of Farm or Driving Horses; one Colt; a set of double-team Harnesses, with other Harnesses. One horse lumher Wagon; 1 good Carryall; 1 good Ox Cart, with two yokes; Excelsior Fanning Machine; Ploughs; Harrows; Seed Sowing Machines; Cultivators; I Cast Iron Roller; and many other lahor-saving Machines that are needed on a first class farm.

farm.
Also 2 hays of good Hay, and a lot of Straw: 50 hushels of
Jackson White Fotatoes, and about 20 hushels of Seed Potatoes,
the earliest variety known.
Those wishing to raise early potatoes, would do well to attend
sale. Also a variety of Household Furniture.
South Woodstock, Conn., Feb. 16, 1867.
3w-6



THE FARM AND FIRESIDE 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 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 offensive to good morals. Iu all its columns this journal will advocate the best interests of the farm and fireside. Terms-\$2,00 per year, in advance. Single copy 5 cents.





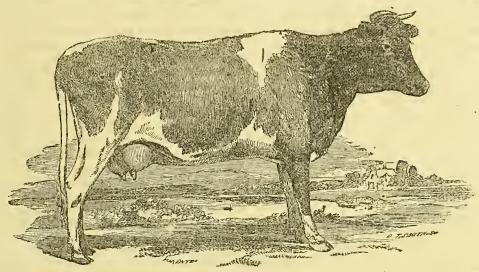
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VOL. 1.

## WOONSOCKET, R. I., SATURDAY, MARCH 9, 1867.

NO. 9.



### JERSEY COWS.

Written for the Farm and Fireside, BY JOHN GILES, SOUTH WOODSTOCK, CONN.

Friend Foss: -- I have often been solicited, by editors of agricultural journals and others heing very thick and firm, of a bright orange interested in stock-raising, to give my expe- color, making the most delicious butter of the rience as importer and breeder of the Jersey Cattle. As your "Farm and Fireside" is doing a good service to agriculture and its kin- and butter. Some of them will make more dred arts, I accept your invitation, and give a hutter from the same quantity of milk. The few facts and hints respecting the favorite Jerseys, or the Channel Island Cattle, as we call six quarts of milk. A great deal depends upthem in England.

Every one knows who has visited the Channel Islands, that they are a small group in the Channel between England and France. There ing than others. The most butter per week I ney and the Island of Sark. The Island of Jersey is the largest in the group. Ou that cows that will make from eighteen to twenty-Island are kept about five thousand cows .-The Island of Alderney is still smaller, exportstill less iu size. I shall coufine myself to the Isle of Jersey stock. Although the Jersey cows differ but little in appearance from cows on the other Islands, still, to the close observ- Mass. She had been giving about nine pounds er, there is a marked difference, the Gurnsey eow being longer, and the Alderney being Ray assured me that last year she gave him the Jersey cow. As cream and hutter cows, they differ but little from the Jerseys.

with a white rim around it, wide teats of orange color, no matter how deep that mistress. Hence, the butter fell short. The color is. If you want a Jersey cow, buy such Jersey cow was condemned, and the seller as I have described without asking questions. eensured. The fault lay in bad management. If she does not prove good, I will take her at cost price.

The Jersey cow is not a deep milker. The opportunity.

most I ever had one give in one day was nineteen quarts. From twelve to fourteen quarts per day is good milking for a Jersey cow.-The eream from Jersey milk is not equaled by any other known breed of eows in the world, same complexion. The Jersey, like all other cows, differ in quantity and quality of milk average of butter is, one pound from four to on the feed and management. As every one knows (or ought to know) different locations and pastures are more suitable for butter makare four Islands, viz.: Jersey, Gurnsey, Alder- have ever made from a Jersey eow was sixteeu pounds. I have been told there are Jersey two pounds of butter per week. It may he so, hut it has never been my good luck to see or ing only about forty head a year; Gurnsey is own such. If I bave a Jersey cow that will give from twelve to sixteen pounds of butter per week, I call her a good one. I sold a Jersey cow to Mr. Joseph P. Ray, of Blackstone, of butter per week through the Winter. Mr. more thick and chunky about the head and sixteen pounds of butter per week, and that neek, not baving that deer-like appearance of four quarts of her milk would make one pound of butter. He further said that this year she had done hetter, giving from seventeen to 1st. What ought the appearance of a Jersey eighteen pounds of butter per week. Such is out-door soil where they are to grow, and they cow to be? She should bave thin jaws, a uot always the ease. I once sold a Jersey that will go right on growing, without any hesitawith us gave fourteen pounds of butter per hetween the horns, a full eye, and horns small, week. Shortly after, I have been informed, yellow and waxey looking at the root, taper- the cow was only giving eight to ten pounds of ing off to black on the tip of the horn; inside butter per week. This is easily accounted for. of ears, a deep orange color; neek, long and The eow had been driven to a different passlim, well filled out helind the shoulders, ture, where the herbage is not so good for butstraight hack, and round, full barrel; small ter. She may have been consigned to the care tail; tip of tail a bright, deep orange col- of Patrick. Patrick likes a drink of milk, for or; deer-like legs, with square hag, run- the stomach's sake. Taking care of milk and ning well forward, and well np hehind; the dairy is consigned to Bridget. Bridget teats of medium size, well set apart; bag and likes a little good cream in her tea as well as

Many other things could be said about the them to table size in the dark. Jersey eow, such as price, best age for butter, 2d. The milk, cream and butter qualities. - &c. These matters I must defer until a future

## Marticulture.

## EARLY TOMATOES AND CUCUMBERS.

Written for the Farm and Fireside, BY R. C. KENDALL, PHILADELPHIA.

There is nothing new in the practice-we have followed it these sixteen years, telling everybody we could reach, publicly and privately, of our manner of producing eueuuihers and tomatoes from two to three weeks earlier than can be found in our Northern markets. Nevertheless, it is probable that not three in a thousand of all who have read or listened to our hints, have held them in remembrance a week. So we repeat the preeept, with a hope that some few of those who read will benefit by the information afforded.

Our Tomato practice is to scrape out two dozen or so fair sized turnips to thin shells, fill them with rieli garden mold, plant a few seeds in each, place them in a box of earth, covering quite up to the top, place the box in a warm room. After the plants are up, water when required, give light, and out-door air on all pleasant, warm days. Select the strongest plant in each shell, to grow, pulling out the others. Pinch back too vigorous shoots, urge stout, stocky growth hy frequent slight feedings 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 tion or standing still as they do com-

Cucumbers we persuade forward in the same manner; planting them in blocks of turf instead of turuip shells, and almost always we have tomatoes and cueumbers well set on the vines before setting them in out-door position. Cucumbers, white, crisp, eool, tender, almost seedless; free from all unpleasant, earthy taste, and as delieate and delieious as eucumbers can be, may he induced by simply placing the small fruit within a section of drain-tile, flower pot or old bottle, with the neck knoeked off, covering them from the sunlight and growing

#### EARLY TYING UP OF GRAPEVINES ON THE TRELLIS.

If there is anything in the theory, that great injury is often caused by extraction of moisture and evaporation when in contact with continual cold, then it is advisable to leave the vines lying upon the ground uutil after the cold, drying winds of March have passed. As the season advauces, the circulation of sap inereases, and in March there is more aqueous matter in the vine than in the month of January: and consequently it is more susceptible to changes of temperature, and is more affected by cold, drying winds; hut to what extent injury is caused by continual cold, drying winds at this season, we will not undertake to say. There are those who believe the plant more often injured by the cold, drying winds in March or April than by any extremes of temperature during the regular winter months. Without attempting to prove or disprove the theory, we shall only say that our experience for some years basheen in favor of leaving our vines on the ground until quite late in the spring. We have some times left them even until after they had bloomed and set their fruit, and once or twice we have thought that we eseaped injury from frosts and from cold. driving rain and sleet storms, by the vines being on the ground, we having plenty of fruit when some of our neighbors, whose vines were neatly and carefully tied up, were destitute,-Horticulturist.

CULTURE OF THE ROSE.—There is no flowering shrubs or plant requires mannring so much as the rose, which produces such a large quantity of flowers that the soil within reach of the roots soon becomes exhausted of those ingredients which are necessary for sustaining the health and vigor of the plant. Well-rotted cow manure is best for the rose, and as the plant is a gross feeder, a liheral supply will be required. Moderate root-pruning has a very good effect in conjunction with manuring.

The Baldwin, the favorite apple of New England, has been in eultivation more than a ecntury. So bas the Bartlett pear, and hoth The fruit prospects in the Middle States are have retained their character in all their original value and purity.



Underdraining Land: Its Effects.—Experiments in underdraining 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, equal to a removal of the land from one hundred to one hundred and fifty miles south. This is an important consideration connected with compact, heavy soils, whose retentiveness of water renders them cold and comparatively inert with respect to vegetation. Draining land involves considerable expense, but its increased productiveness score research is a rider and an architecture. siderable expense, but its increased productiveness soon repays this, hesides assuring increased profits for the future.





## Garden, Orchard, &c.

#### PEAR CULTURE.

To the Editors of the Farm and Fireside:

I SEND you some of the results of my own experience in Pear Culture, and my ohservations on the experiments of others during a period of more than twenty years.

Before commencing to set out trees, I obtained all the information I could from hooks, and from personal interviews and correspondence with some of the most successful Pear Growers in New England. On many points there was a wide difference of opinion, so that I was often obliged either to follow my own judgment or to resort to a series of experi-

The following are some of the conclusions at which I arrived, after repeated trials and extended ohservation:-

In the first place, the right location for a Pear Orchard, if possible, must be chosen.-High land, with a northern exposure, is far hetter than a situation fully opened to the stimulating manure must be determined by its Sonth, and sheltered with hills and woods on the North and Northwest. And as the range of the temperature is much greater in vallies than on hills, the trees planted in valleys are very often injured by the cold succeeding the warm sun, in February and March. I have noticed repeated instances of injury to trees

Success in Pear Culture depends very much on soil. A strong, rich loam, with a gravelly, porous snhsoil is the best. Low, moist land, with a clayey, tenacious soil, is wholly unsuited to the Pear. Where a farmer has no choice, he must resort to thorough underdraining, and must use, liherally, coarse sand, to lessen the tenacity of the soil, and to make it warm and porous. No fruit trees will flourish when water stands within a few inches of their roots.-When the soil is sandy or gravelly, elay and peat must be hountifully supplied. If the ahove conditions are neglected or ignored, failure will most certainly ensue.

The selection of trees is hy no means an unimportant matter. None but those which arc well formed, and which have made a healthy growth the previous year, should, under any circumstances, he planted. Trees that are ill-shaped, or stunted, as well as those which have been stimulated, hy excessive manuring, to a very vigorous growth, should he rejected as worthless. Poor trees are dear at any price. And there is no greater mistake made in all kinds of fruit eulture, than in making sclections hecause they are cheap.

So much has been written in regard to preparing the ground for the trees, that a few words must suffice. A hole must be dug from five to six feet in diameter, and one and a half to two feet in dcpth. This should he filled with very rich soil,-top sod from an old pasture is the hest,-with at least a bushel of well rotted manure for each tree. Great care must be taken with the roots, that they all lie in their natural position. The soil should be trodden down firmly around each tree, and when trees are planted in Autnmn, which is the hest time for most trees, large stones may, with very great advantage, be placed around the trees, to keep them from heing moved by the wind .-Many trees die hy being planted too deep .graft may be a little below the surface, in ora hollow around the trees till they hegin to grow, and then to raise the soil around them.

Mulehing in July and August is very necessary, especially for dwarf trees. Peat and spent tan are the hest materials for this purpose. When they canuot he had, leaves, hay or straw may he used to great advantage .-Coal ashes are also an excellent mulch for all kinds of trees.

To insure success, the ground must be thoroughly cultivated around the trees, and kept free from weeds and grass; this is as necessary to success in the culture of the Pear as in and to he seeured, is a vigorous and healthy growth; without this, there will be complete eking out a scanty subsistence by cutting wood failure. In a healthy growth, the annual and similar labors, hut which now, by the help

shoots must be, at least, one foot, and not fof wise culture, bountiful manuring of the more than two or two aud a half feet in length; right description, and indefatigable industry, and this must be produced in the early part of has returned from a plat of only two acres guarded against in every possible way. More the return from the two acres \$1,125. Citizens trees are injured by this than by all other often, and frequently with justice, murmnr at manured and refined.

All Pear trees need stimulating manures, and this should be abundantly supplied, hut the application should he made in the Fall rather than in the Spring. If the land be only mod- price of \$7 per basket which was eagerly oferately rich, it may he forked in around the trees, otherwise it should he removed. In very rich alluvial land, manure may not he neccssary, and it may he advisable to check late growth, even to resort to root pruning or to pinching off the huds. Liquid manure is also of very great value, if applied in the months of May and June. I have seen astonishing results from this application. The amount of effects, and it must be increased till the desued vigorous growth is produced.

The hest fertilizers to he applied to the Pear tree in Summer, are flour of hone, peat, mixed with wood ashes or potash, and lime and salt. The effect of saltpetre and iron-filing has, in some instances, heen very marked and decided. As lime acts only as a chemical agent, it should never be used with stable manure, or applied when trees are at rest.

I am fully satisfied, after more than twenty years experience, that, hy following carefully the above directions, Pear Culture is as certain, and far more profitable than the raising of corn or potatoes.

A few observations on the different varieties of Pears may he furnished at some future time. Providence, R. I., March, 1867.

### MARKET GARDENS OF NEW JERSEY.

WE have, on several occasions, referred to the wonderful agricultural changes which have heen made within the last few years on the soil of New Jersey, and particularly at points not precarious in their returns, especially as they far distant from Philadelphia. Our citizens, as large consumers of vegetable food, are indirectly as much interested in the progress of market gardening as those immediately engaged in such pursuits; and a brief reference to some of the developments in West' Jersey will at once illustrate the progress of the new settlements and thelabors of those who furnish supplies to our markets. New Jersey has become proverbial for its sand-hanks and barrenuess, and yet some of the lands lying in the districts most derided as "flat, stale, and unprofitable" have been during late years yield- the railroads. From numerous instances the ing immense returns to the agriculturist. The soil is not self-recuperative, as is the ease with many of happier composition, but it has great heds of marl near at hand, with large markets readily accessible, and industry and science have completed a result which is one of the greatest of agricultural triumphs. One of the remarkable districts is that strip of Camden eounty lying along the banks of the Delaware, and known in the vicinity as "Pea Shore." It enjoys the advantage of heing several days or a week in advance of the season westward, This should he very particularly guarded and thus earning the first golden harvests won against. Those on Quince stocks, however, from the first green peas and earliest strawher. Fairs of the various Societies of the State were centre of the tuher. Sever the sprout or eye are to be planted deep enough that the Pear ries. The soil is loose, warm, and easily assigned as follows:drained; while the kindly veil of river moistder to send out roots. I think it hetter to leave ure shields it from the blighting frosts that come on the wings of the west wind in tardy springs and early autnmns, and at the same time prevents the daily heat garnered from the sun's rays from dispersing as rapidly as it does in a drier atmosphere. Many of the farmers of this and neighboring regions have learned wherein, with all their manifest disadvantages, the golden opportunity is to he found. In their peculiar eireumstances they turn their almost undivided efforts to the production of green crops for the markets of New York and Philadelphia, and as an instance of the result, there is on record the history of one farm upon which raising corn. The main thing to be aimed at the former owner was unable, with the standard crops to maintain his family, except by

the seasons. This is the great desideratum in three hundred baskets of early potatoes, valued Pear culture, and more essential to success at \$1,25 per basket, and seventy-five hundred than every thing else. A late growth is to he achhages, selling for \$10 per hundred, making causes combined. I have seldom seen Pear the sums which the market men wring from blight on trees where the soil had been well their necessities; but on the other hand, the gardener who, by a prudent selection of soil, and eeaseless care, was enabled to supply a large number of cucumbers by the 28th of June, had most certainly well earned the high fered to him. Another Jerseymau received \$66 for four and three quarter bushels of early tomatoes, and in the subsequent year \$20 for two baskets, which were the earliest in the market. When the gourmands of the metropolis are willing to pay fahulous sums for the luxury of strawherries and cream, we must remember that it was not merely fortuitous eircumstances, hut ceaseless care, which enabled a happy New Jersey farmer to supply the demand by the 23d of June. Tomatoes, when they cost thirty-seven cents per dozen, are certainly expensive cating; but the skill which has forced them into such early ripeness has risen almost to a fine art. With a well selected soil, and a sereen of evergreens to keep off the cold winds, peas can he perfected much earlier than usual, and readily command \$1,50 per basket, while ten days later they may perhaps not briug even half that sum. That these great results are due to individual enterprise is proved by the fact that in the district of West Jersey one farm of one hundred acres returns a gross product of \$2,000, while another adjacent and similar in all respects, containing hut ninety acres, has a gross product of \$7,000; and a still more remarkable instance is a farm of thirty-six acres giving a gross return of 12 oz. \$375, while an adjoining tract, embracing but twenty-five acres, rises to \$2,500.

New Jersey was formerly celebrated for its orchards, hut some of these are deelining in value, not merely from old age or inattention, hut because many farmers consider them as too shade the ground and monopolize the soil to the exclusion of other crops. A good fruit season occasionally eannot be remunerative in a soil which can be made to yield \$660 worth of strawherries to the acre. Such a crop is of eourse unusual, hut this berry has frequently yielded more than \$400 per acre, and forty acres of raspberries are recorded as having produced \$15,360. Apart from these extraordinary yields, the census returns tend to eonfirm the verdict in favor of the small fruits and avoided. green crops, particularly on the direct line of result is clearly, that although the soil is frequently well adapted for wheat, the best farmers are generally cultivating barely enough rye, corn, hay, and wheat to snpply their own wants and the necessities of their animals, decide for himself. I think I had as many while the rest of the land and their utmost zeal and attention are demanded by the requirements of what is opprobriously styled "truck" and ahundantly remunerated by the speedy and certain return.—Philadelphia Press.

AT a late meeting of the Massachusetts

Essex Society-Mr. Ward of Munson.

Middlesex—Mr. Thompson of Nantucket. Middlesex Sonth—Dr. Loring of Salem. Middlesex North-Mr. Birnie of Springfield. Worcester-Mr. Saltonstall of Newton. Worcester West-Mr. Smith of Sunderland. Worcester South-Mr. Davis of Plymouth Worcester Southeast-Mr. Porter of Hatfield. Hampshire, Hampden and Franklin-Mr. Billings of Lunen

Hampshire-Mr. Sanderson of Phillipston. Highland-Mr. Slade of Somerset Hampden-Mr. Clement of Bracut. Hampden East-Mr. Johnson of Framingham. Franklin-Mr. Stockbridge of Hadley. Berkshire-Mr. Bull of Concord. Housatonic-Mr. King of Barnstable Hoosac Valley-Mr. Cleveland of Tisbury. Norfolk—Mr. Knowlton of Upton. Bristol—Mr. Cole of Williamstown Bristol Central-Mr. Watson of Hinsdale. Plymonth-Mr. Hubbard of Brimfield. Barnstable-Mr. Thatcher of Lee. Nantucket-Mr. Ward of Shrewsb Martha's Vineyard-Mr. Sewall of Medfield.

#### EXPERIMENTS WITH POTATOES

HAVING become convinced by repeated experiments that one can obtain more hushels and better sized potatoes hy planting the buts of large potatoes than other descriptions of seed, I tried an experiment last year, with a few hills, to ascertain the quantity of seed necessary to a hill. The result was in favor of a much more liberal seeding than is commonly practiced.

To put the matter beyond all reasonable doubt, I have this year tried an experiment on a more extensive scale. I planted 780 hills as follows:-Commencing at one end, in the first row, I put three buts in a hill, in the second row four huts in a hill, and so on through the piece. Every odd row had three buts in a hill; every even row had four huts in a hill. I dug each row separately and weighed the product. The result was:-

390 hills with 3 buts yielded 140 lbs. 14 oz. 394 hills with 4 buts yielded 1569 lbs. 15 oz.

This would leave a gain of  $17\frac{1}{3}$  bushels per acre hy planting fonr buts in a hill instead of three. Take out 10 bushels for the extra seed, and it leaves  $7\frac{1}{3}$  hushels clear gain over and ahove the extra seed.

After finishing my other planting, having a pile of mud ou hand, for which I had no immediate use, I levelled it down, putting it in an oblong square form, leaving the mud about eighteeu inches dcep. Here I planted twelve rows, with six hills in a row. From necessity I planted smaller potatoes, five being ahout equal to four of the others. Here every odd row had four huts in a hill, and every even row had five buts in a hill. On digging,

36 hills with 4 buts in a hill yielded 125 lbs.

36 hills with 5 huts in a hill vielded 136 lbs.

This would leave a gain per acre by planting five buts in a hill instead of four of  $25\frac{1}{2}$  hushels. Take out eight hushels for the extra seed and it leaves, omitting fractions, 171 hushels elear gain over and above the extra seed.

The way I account for the discrepancy between these experiments is this:-In my first experiment I commenced planting at the best end of the field; and consequently, as we approached the other end, which was poorer, the odd rows were on hetter soil than the even rows. Had I commenced at the other end the result would doubtless have heen more in favor of heavy seeding. Inequality of soil is a great obstacle in the way of trying accurate experiments. In my second experiment, as I used no mauure with the mud, this obstacle was

The only valid objection which can be brought against such heavy seeding as these experiments indicate, is, that the more seed you put in a hill, the smaller will he the potatoes. Whether this objection outweighs the advantage of a larger product, each one must good sized eating potatoes from fonr buts to a hill as from three; so that the extra product was clear gain, if the gain was in small po-

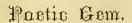
Sprouts or Eyes .- I wish to say a word about the impropriety of planting small potatoes, or large ones cut in small pieces. . The Board of Agriculture, delegates to visit the root of the potato spront or eye extends to the from its root, and you lessen its vigor. In proof of this, pare off the outside of the potato to the depth of one-tighth of an inch, and the inside, if planted, will commonly grow, but it will grow feebly. Plant the paring, and it will grow feehly, just in proportion to its thinness. Cut a potato as you will; the smaller the piece, the more feebly it will grow. As to planting small potatoes, it is contrary to all analogy. When farmers winnowed their wheat in the wind, they kept the but of the heap for seed. Gardeners always prefer the middle head of the parsnip for seed. Thus with all kinds of seeds; the largest, most perfect and hest ripened are always preferred .-Should one go counter to the common practice in selecting seeds, his sanity would at once he ealled in question. Why then should potatoes he an exception to this universal rule?-Correspondent of the New England Farmer.



Ir anything in the world will make a man feel hadly, except pinching his fingers in the crack of a door, it is unquestionably a quarrel. No man ever fails to think less of himself after it than before, it degrades him in the eyes of others, and what is worse, hlunts his sensibilities on the one hand, and increases the power of passionate irritability on the other. The truth is, the more peaceably and quietly we get on, the hetter for our neighbors. In nine cases out of ten, the hetter course is, if a man cheats you, quit dealing with him; if he abuses you, quit his company; if he slanders you, take care to live so that no







### REAPING.

Up, mortal, and act, while the angel of light Shake off the soft dreams that encumber thy might, And burst the fool's fetters that bind thee. Soars the skylark—soar thou; leaps the stream—do thou leap Learn from nature the splendor of action; Plow, harrow and sow, or thou never shalt reap; Faithful deed brings divine henefaction.

The red sun has rolled himself into the blue, And lifted the mists from the mountain;
The young hares are feasting on nectar of dew, The stag cools his lips in the fountain; The blackhird is piping within the dim eim, The river is sparkling and leaping,
The wild hee is fencing the sweets of his realm, And the mighty-limbed reapers are reapling.

To spring comes lhe hudding; lo summer the hlush; To autumn the happy fruition; To winter, repose, meditation and hush, But to man, every season's condition, He huds, blooms and ripens in action and rest, As thinker, and actor, and sleeper; Then withers and wavers, chin dropping on breast, And is reaped by the hand of the Reaper.

## The Farm.

#### SPECIALTIES IN FARMING.

WE find a suggestion in one of the agricultural journals that is worth noting, as to the advantage of every cultivator having a specialty always, to which he may devote 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 variety desirable for his home consumption, the use of his 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 devotes himself, and is enabled to realize from it the best re-

In farming generally and planting, this is not uncommon. Wheat, or tohacco or cotton is made the specialty, and with good results, except that it may happen that the general interests of the larm are overlooked in the concentration of attention and means upon the chips, or cuttings, &c., are mixed with grass, main crop. This need not be, however. There is no iuconsistency between a due attention to general interests and a special attention for several days, and the whole is thus turned looked to for the year's profits.

But the suggestion is equally applicable 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 economy in this mode of management. It costs too much to market the small truck on a farm in little drihlets. With some specialty, he it onions, squashes, grapes or what not, the marketing 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 everything.

As an instance of success, the Massachusetts Plowman says: "We once knew a thrifty and enterprising farmer who cutlivated, generally, ahout fourteen acres of ouions. got, on an average, about five hundred bushels to he acre. He gave his time and his thoughts to tas erop, made it a special study, and understood: t thoroughly. He studied the market, and he tudied the erop in every phase, looka distance, so a to he while to judge of the best respondent American Farmer. time to sell. To result was that he made mouey on onions. Tt was he specialty, and he understood the erop &d the market."

Borland, Esq., of Pleasant Valle since, and inquired after the sa few days dairy this season. He says he is my so of his cows and will make over twenty ng forty year."

#### AGRICULTURE IN CALIFORNIA.

THE rapid agricultural development of California fairly rivals the richness of her mineral wealth. Even now she exports large quantities of wheat and winc, and the former can sometimes be profitably taken to the Atlantic cities, as well as the latter. A hrief telegraphic report of the operations of the Commissioner of the Land Office recently announced that titles to one hundred land claims, containing altogether 14,900 acres, in the San Francisco district, had been adjusted, and that during the last three years twenty-five vineyards and fifty-five orchards have been planted on these properties, 12,000 acres fenced, and 9,000 acres placed under cultivation. The aggregate value of the permanent improvements is \$100,-000, and a large amount 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 her soil.

#### CHINESE AGRICULTURE.

Our farmers, who think it hardly worth their while to use the heaps of manure which accumulate about their barns and feeding grounds, would not relish the practice of the pains-taking Chinese, as described by a late writer:

The Chinaman does not manure the field, but the plant, with the exception of rice. All animal or vegetable substauces 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 the effects of gypsum and lime. No Chinese farmer sows the sceds or cereals before they have have commenced to germinate. Experience has taught him that 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 vegetable shreds, straw, turf, weeds and soil, are then formed in heaps, dried and ignited, so as to burn slowly for the seed. When the time for sowing arrives, one man makes the holes, another folfows and puts the seeds in, a third adds the black substance, 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 seedoeds, after it has been well soaked in suds from manure, very close, and transplants them afterwards to the fields. Sometimes the soaked seed is placed at once on the prepared fields ahout four inches apart. By this method they yield a hundred and twenty-fold and more, which rewards them amply for the labor and trouble spent over it.

ALWAYS BUY FAT BEEF AND PORK. - There is nearly twenty per cent. less water in the carcass of a well-fatted animal than in a lean one. Did you ever notice, as I have, how much more the lean of poor heef will dry up in hanging, than the lean of a fat animal? and according around to see how the erop was coming ing to Prof. Voelker a lean hog contains eighout, not onl in his own neighborhood, but at teen per cent. more water than a fat one. - Cor-

a rod measure—a light, stiff pole—just 16 1-2 feet long, for measuring land. By a little prac-Does Darring Pay?—Towa Republican tice he can learn to step a rod at five paces, answers this question: "What Channers which will approximately for the page of th which will answer very well for ordinary farm pounds of cheese this season. He has and 160, and you have the number of acres, as 160

## The Stock-Yard.

#### DIMINUTIVE BREEDS.

DWARF animals are in considerable demand. but how to breed them without subjecting them to cruel hardships is something of a puzzle. The more diminutive the poodle dog, the more it is admired by ladies, and the smaller the pony of symmetrical proportions the larger is the price that it will realize. The dwarf animals are not intended for practical purposes, for they are too small and puny to perform the service demanded of the particular types to which they belong. They are simply intended as toys, and we dote more fondly on a pet that unites beauty and sprightliness with dimiuutiveness, than any other; the dwarfed size is in great demand, and it is the demand that gives to these pretty but useless toys their value. It is well known that the offspring of tiuy pareuts, when kept in a state bordering on luxury, generally attains a greater size than either the sire or dam. We ean stunt an animal hy neglect and starvation, but this regimen it too cruel to find favor in circles that boast of advanced eivilization. The object is to secure dwarfs, but not at the expense of the common principles of humanity. Besides, in resorting to the starving system, we are very apt to injure health and destroy a pertect proportion of parts in attaining under size.-It is a general practice in breeding toy dogs to administer to the young animal a porridge mixed with gin until it attains full stature.-Bantams are hred late in the year, as the rains, frosts and snows of winter retard rather than aid development. In the tropic regions, where they are blessed with one perpetual summer, and the very air is laden with luxurious splendor, woman matures rapidly, and at an early age, her breast expands and her limbs become supple and rounded to the fullness of beauty, and present the symmetry of perfect grace.been thoroughly soaked in suds and water, and As we leave the tropics and travel across the other zones, we find that this early development decreases in proportion to the nature of the soil and the coldness of climate, These facts seem to establish another-that genial weather favors development and early maturity, while cold weather has a tendency to dwarf the growth. Cattle breeders will tell you that a late calf hut seldom eomes to any size, without it receives unusual care and tender nursing. to the one or two main crops which are chiefly into a black mass. This manure is only used If the cold weather has a marked effect upon calves, it is evident that it will have a similar effect upon all young animals that are hred in the open air. Following out this process of reasoning, it is clear that the general principle applies to horses, as well as to horned cattle and other animals. Then, when it is desired to breed ponies, we should recommend that small and handsome parents he selected, and that the colt be bred on poor, hleak, high mountain land, or on cold pasture 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 a puzzling one to knew what process to adopt to dwarf hreeds, and to do it symmetrically, and we do not claim to be able to solve the puzzle. We have simply recited a few well known facts, and must leave the clear solution of the problem to time and experience.—Turf, Field

### DISEASE AND DEATH AMONG CALVES.

Almost every spring or summer we hear of deaths among calves. The sight of calves that look puny, unthrifty, or sickly, is one which the heel calk low. The hoof will then stand not unfrequently pains the eyes and sympathies of those who have occasion to travel in the LAND MEASURE. - Every farmer should have rural districts. Whence come these losses and a low too calk and high heel calk, will strike painful sights? More frequently, we think, from stingy, starving and unnatural modes of interfering horse usually strikes with the infeeding, than from any other eause. To enable the owners to make a few extra pounds of work. Ascertaining the number of rods in butter, the poor calves are deprived of the food width and length of a lot you wish to measure, which Nature has provided for them, and some and multiply one into the other, and divide hy cold substitute, in the shape of whey, skimmilk, or some other innutritious slop. The pounds of cheese his season. He have square rods make a square acre. If you wish consequence of this short-sighted, mistaken tion of the Worcester County (Mass.) Poultry twelve thousand pounds already hadded to lay off one acre, measure thirteen rods upon economy, is that the starved sufferers become Club will be held in Washburn Hall, Worcessys his cows will earn him \$100 each to lay off one acre, measure thirteen rods upon economy, is that the starved sufferers become Club will be held in Washburn Hall, Worcessys his cows will earn him \$100 each to lay off one acre, measure thirteen rods upon economy, is that the starved sufferers become Club will be held in Washburn Hall, Worcessys his cows will earn him \$100 each to lay off one acre, measure thirteen rods upon economy, is that the starved sufferers become Club will be held in Washburn Hall, worcessys his cows will earn him \$100 each to lay off one acre, measure thirteen rods upon economy, is that the starved sufferers become club will be held in Washburn Hall, worcessys his cows will earn him \$100 each to lay off one acre, measure thirteen rods upon economy. each side. This lacks only a rod of full meas- puny and sickly, stunted and unthrifty, and ter, on the 26th, 27th and 28th of the present that death steps in, now and then, to relieve month.

some of them from their miserable life of avarice-inflicted starvation and suffering. Those who would avoid this cruelty and miserable economy, and those who would secure animals that will pay, will keep their calves well for the first three or four months; for creatures starved and stunted in their youth will never make as tbrifty, healthy, well-formed, and ahle-bodied cattle, as those which had a better start in

Breeder's Association.—The Association of Breeders of Thorough-hred Neat Stock had a meeting in Albany, Feb. 14th, for the electiou of officers, and the result was as follows: President-E. II. HYDE of Stafford, Ct.

Vice Presidents—J. F. Anderson, South Windham, Me.: J. O. Sheldon, Geneva, N. Y.; Burdett Loomis, Snffield, Ct.; J. W. Freeman, Troy, N. Y.; E. D. Pierce, East Providence, R. L. Secretary-J. N. Bagg, West Springfield, Mass.

Treasurer-11, M. Sessions, South Wilbraham, Mass, Short-Horn, Pedigree Committee—S. W. Buffum, Winchester, N. H.; S. W. Bartlett, East Windsor, Ct.; P. Stedman,

hicopee, Mass.

Ayrshire and Hereford Committee--Geo. B. Loring, Salem, Mass.; H. S. Collins, Collinsville, Ct.; Wm. Birnie, Springfield,

Devon Committee-H. M. Seasions, South Wilbraham, Mass.; B. H. Andrew, Waterbury, Ct.; E. H. Hyde, Stafford, Ct. Alderney Committee-John Brooks, Princeton, Mass.; O. B. Hadwin, Worcester, Mass.; James Thompson, Nantucket,

Adjourned to mect at Springfield, Mass., the 2d Wednesday of February next.

DARKNESS FAVORABLE TO FATNESS.—It is a fact that all animals fatten faster in dimly-lighted places than in the full light of day. This is well known in respect to fowls. From experiments made with sheep, conclusions have been reached that in a dark shed, well ventilated and properly warmed, they will make the most mutton from a given amount of food. But dark stables are not good for horses, or breeding stock of any kind; fat is not with such the most important object in view.

## The Horse.

How to Judge the Character of a Horse NY OUTWARD APPEARANCES. - Charles L. Thayer writes to the Country Gentleman:

"I offer the following suggestions, the result of my close observation and long experience. If the color he light-sorrel or chestnut, his feet, legs and face white-these are marks of kindness. If he is broad and full between the eyes, he may be depended on as a horse of good sense, and capable of being trained to anything; as respects such horses, the more kindly you treat them, the better you will be treated in return. Nor will a horse of this description stand a whip if well fed. If you want a safe horse, avoid one that is dish-faced. He may be so far geutle as uot to scare, hut he will have too much go-ahead in him to be safe with everybody. If you want a fool, hut a horse of great bottom, get a deep bay with not a white hair about him. If his face is a little dished, so much the worse. Let no man ride such 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 cannot stand heat, nor a white one cold. If you want a gentle horse, get one with more or less white ahout the head, the more the better. Selections thus made are of great docility and

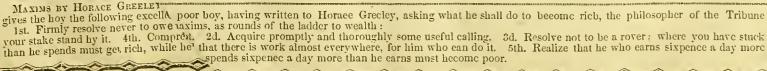
Will not some of our country readers write us their own experience upon the matter?

Horses Overreaching-Remedy. - Make the shoe its natural length, or a trifle longer, with the toc ealk of the forward shoe high, and further forward and more removed from the stride of the hind foot, which, heing shod with the ground hefore it reaches the fore foot. An side of the hoof ahout two inches from the toe; therefore make the shoe straighter on the inside end and rasp the hoof accordingly.-Rural New Yorker.

POULTRY EXHIBITION. - The fourth exhibi-



MAXIMS BY HORACE GREELEY







## Morticulture.

WHY IS OUT-DOOR CULTURE OF THE VINE A FAILURE ?

Written for the Farm and Fireside, BY J. S. LIPPINCOTT, HADDONFIELD, N. JERSEY.

Your correspondent, R. Robinson Scott, whose communications are suggestive, has fapossibility of grape growing out of doors. He asserts that it remaius an uncertaiu undertaking, while he admits that the culture under glass is no longer a mystery, or even difficult generally is, attended by certain and remunerative results. He seems impressed with the idea that choice of soil, and peculiar pruning and training, are of leading importance; and even appears to helieve that the results so far deemed successful in Ohio aud Missouri, have heen realized hy the adoption of peculiar methods; in many instances derived from European practice. He, moreover, speaks of the influence of peculiar atmospheric conditions and insect enemies, as though he deemed them of small momeut compared with the conditions of soil, training and pruning.

We do not propose to question the correctthey are entirely erroneous; for we believe that all the causes to which he ascribes the den death may follow. failure of the grape crop, and the eventual abandonment of the vine, have or may have had place. But we desire to show, that while minor evil influences may have marred success, there is one great and wide spread agency to which we are periodically exposed, aud on the heels of which certain results always follow so surely! True, the cultivation of the native closely, as to induce us to consider them in the relation of cause and consequence.

To reuder our position more clearly understood, let us glance at the circumstances under which the vine, foreign or native, is placed under glass, in a cold grapery. How is it located as respects soil, exposure, -how trained, pruned &c., different from the vine "out of doors?" Is it warmer in Summer or in Winter than the vine may he out of doors? What are the precise conditious by which these vines are differently circumstanced? Not that of training, not of pruning, not of soil, not of fertilizing, not of freedom from insects. What, then, are the circumstances which under glass are favorable to the more tender foreign vine, and which offer the most marked contrast to the conditions "out of doors" hy which the tardier native is periodically injured? What is the all-important requisite of successful grape-growing in the cold grapery, and what is the office of a glass roof? Is it to retain heat by day? Surely not, for the external heat hy day is often in excess of the demands of the vine. Is it to retain heat by night? It perature by day and by night, produces a state does answer this valuable purpose to a great extent. Is it to preveut excessive drying of artificially attained by the atteutions of the the leaves and tissues, generally by an absorb- gardener in his cold grapery, and the grower ing atmosphere during our parching Summer? It does surbserve this all important end, as any experienced grower of the vine under glass will readily uuderstaud. And how is this affected hy the glass roof, hut by confining, measurably, the moisture which the attentive cultivator supplies to the atmosphere of his ply that the presence of a due proportion of grapery, and thus preserving a high, or at vapor uncondeused, floating in the air over a the hreathing and prespiring vessels of the ten- ing by radiation from the ground, as has been der vine? We should not overlook the valua- satisfactorily determined by abundant experi- three bushels of strawberries. The strawberry is yellow, with a brownish cheek. The pish portion of water at each stage of growth, and tire vineyards not so sheltered, but exposed to ed to the perfect maturation of the fruit,vigorous growth.

Having surrounded his vine under glass, with all the conditions necessary to its health and development, he succeeds; but beyond stances an equable condition of heat and moistthe glass, be it but ten feet, with all other re- ure are more nearly attained and preserved; quisites to success attendant, he fails. Theu, the very conditions demanded by the vine, wherefore? Is it not philosophical to suppose whether foreign or native—which it enjoys in because of unlike conditions?—and wherein many Europeau wine districts—which experi- and pears have heen ripening, and have fur- bout 4,500,000, the yield amounting to someare the conditions unlike hut in deficiency of ence shows it needs under glass, where even nished an abundant supply for his family, for thing like a gallon for each vine. atmospheric moisture around by day and by in this climate it attains perfection, rivalling the cow and pig, and some to sell or give ay,

perature are permitted to have place?

with an occasional season when our native grapes from young vines are all that we desire; the leaves are healthy, and persistent; the fruit plump, and fair, and the sap and saccharvored your readers with his opinion on the inc richly developed,-rivalling the foreign grape. These seasous of success in grapegrowing are uumarked hy periods of excessive dryness or absence of a due proportion of atmospheric humidity, and uo abnormal decline to any intelligent individual, and may be, and of temperature hy night has occurred in July or in August, and consequently no mildew or "rot," has been developed. The character of the atmosphere, as respects moisture aud uniformity of temperature, remained in close approximation to that which experience has shown to be the best adapted to the successful growth of the grape under glass; under which, iudeed, other thiugs heing favorable, it always succeeds. Unfortunately, we are not favored with a succession of seasons in which these conditions prevail to the degree or exteut most eongenial to our native viue; and failure of the crop, and injury to the vine, are the result; aud if the evil re-appear, as it often does ness of his opinions, or at least to show that in a series of years, the vital energies of the plant arc sapped and a lingering if not a sud-

> The sceptical inquirer may ask, "Why does the native viue succeed on the Southeru shore and on the islands of Lake Eric; on the banks of the Hudson, and ou Crooked Lake, and at a few other localities, -not occasionally-hut almost uniformly succeed? A pertineut query, grape is attended with almost uniform success at the above named places; while it is as often a failure at points and over wide districts removed from the influences known to exist at the former, but which are absent from the lat-What are the circumstances to which success is ascribed? Are they superior skill in planting, pruning, training, choice of soil, exposure &c.? No! for in these, the respective districts are not in accord, though all these eauses may modify, they do not appear to de-What, then are the intermine success. fluences surrounding the regions where success is generally reached, and which are abseut where failure is the rule? We answer, they are manifestly atmospheric; the result of .location, by which conditions are attained elosely resembling those surrounding the vine in the cold grapery. The presence of a large body of water on the west, south west or north west, of the vineyard, by supplying the air with its just proportion of moisture during the heat of Summer, and hy preserving, hoth directly and indirectly, au equable teurof things closely resembling the conditions of grapes out of doors, therefore, generally succeeds at the places named by our querist.

Some readers may be ready to inquire, "How is it possible that moisture by night can answer the same good purpose that a glass roof and a half months. is known to subserve in the grapery?" We releast a wholesome degree of humidity around vineyard, is a powerful protector against coolble services of a glass roof, by which we are ment. Vines therefore, immersed in vapor by enabled to shelter our vines from excess of night are not chilled in midsummer, unless in rain-fall,-to supply them with the due pro- certain exceptional cases, while frequently ento dry the atmosphere to the degree hest adapt- excessive cooling for want of a moist atmosphere, as during a season of drought, are ut-These are, however, minor considerations when terly ruined. The air uear the Northern lakes compared with the all important coudition of is also more moist hy day, and the cool waters humidity around the vine during its season of temper the midday heats, and thus the leaves and other tissues of the vine are not exposed to drying and shrivelling, and risk of entire check in growth. Finally, under these circum-

the out door vine; while as respects the plant ing vine culture, out of doors, in the Northern ter apples. He has just gathered from two or under glass, no extremes of dryness or of tem- section of the United States East, we believe, three grape vines, as many bushels of fine after much study, to be almost entirely the re-Now, we have observed that we are favored sult of unpropitious atmospheric conditions, malade, and some she has preserved in paper, and that these are mainly results of a defici- for use hereafter. The best and greater portion ency of moisture at the seasou when most needed to check extremes of heat and cold to children or friends, all of whom enjoyed them which we are so frequently exposed during the much. days and nights of Summer. Moreover, it bas seemed to us that the conclusion must be sound, that it will prove absolutely necessary to seek those regions where the circumstances favorable to the grape are ever present, and to avoid those in which they do not prevail,-if we would make the culture of the vine "out large a plat of ground and as many comforts? of doors" a permanent business.

March, 1867.

### WINE CULTURE.

A WRITER iu the London Medical Times and Gazette shows that there is no lack of a plentiful supply of wine from France and other countries of Europe, and asserts that there is wive enough in the world for all. From this we learn that there are 2,200,000 proprietors of vineyards in Frauce, 1000 varieties of wiue cultivated, 5,435,000 aeres of laud devoted to vineyards, aud a crop in 1864 of 1,320,000,000 gallons of wine, worth \$100,000,000. It is and destruction in fruit trees than all other disone peculiarity of the vine culture that it has, as it were, its own zone, and intrudes on nothing clsc. "See," as a Burgundian once said of his country, "the hills nourish the vine, whilst the arable fields below them yield corn for bread, and the meadows ou the river hauks are pastured by fat beeves." If we extend our profit by it. If trees were suffered to hrauch view from France to the Rhiue, Switzerland, Italy, Austria, Hungary, Greece, Spain and Portugal, we find vast quantities of land fitted

In wine countries the value of new wine in good seasons is the value of the cask that holds high one. Grass and weeds do not grow a it. Two wines from the department l'Herault, hundredth part so rank and readily, and mulchwhich alone produces twice as much as the ing becomes unnecessary. whole kingdom of Portugal, are offered for sale in London at a very low rate. The first is sold in casks at the rate of fifteen ceuts a bottle, and the second at six cents the hottle. One of these is described as "stout, rough, new wine, and more prolific, heautiful and profitable. adapted for family use."

Before long the home supply of wine in the United States will be sufficient to meet all the wants of the inhabitants. The two States of California and Ohio yielded iu 1860 upwards of hreaking limbs. a million of gallons; Kentucky, the third on the list, gave a return of nearly 180,000 gallons; next, Indiana, 88,000, and then New York, 61,000; North Carolina, 54,000; Illiuois, 47,-000; Connecticut, 46,000; Virginia, 40,000; and Pennsylvania, 38,000.

### LUXURIES OF A FRUIT-GARDEN.

FROM a row of currant bushes, ahout eight rods long, a farmer and his neighbors gathered about two bushels of currants last year. The eurrant season, from the first picking to the last, was from Juue 1st to August 15th, two

From a row of gooseberry bushes, two rods long, he gathered about a bushel of gooseher-

From a plat of strawherry vines, four rods long and oue rod wide, he gathered nearly hardy and productive. The color of the fruit season lasted about three weeks, ending ahout is greenish white. the middle of July.

Then his raspberries came on, and lasted half a bushel. They stood next to the straw-

these he has had two or more bushels.

night, and excessive radiation by night from the products of Europe. The ill success attend- besides. He will bave a large quanity of wingrapes. Some of these his wife made into marof the whole were eaten as desert, or given to

These are some of the enjoyments drawn from a plat of ground, during the season just closed. They were at small cost, but they sweetened many a meal, ministered to bealth, and added to the comfort of many guests.

Why may not nearly every man have as Simply because he is negligent.

#### LOW HEADS FOR FRUIT TREES.

Some writer, no matter who, gives the following recommendation for the shape of fruit trees. They are commended to all who raise such trees.

It is said to he much better to grow fruit trees with their heads and branebes near the ground, than to have them hranching overhead, for various reasons.

1st. The sun, which is, perhaps, in our hot and dry summers, the cause of more disease eases together, is kept from almost literally scalding the sap, as it does in long, naked trunks and limbs. The limbs and leaves of a tree should always effectually shade the trunk and keep it cool. The leaves only should have plenty of sun and light; they can hear and out low, say one or two feet from the ground, we should hear much less of "fire hlight," 'frozeu sap blights," black spots, and the like.

2d. The ground is looser, moister and cooler, under a low hranching tree than under a

3d. The wind has not half the power to rack, and twist, and break the tree, and shake off the fruit—a matter of no small consequence.

4th. The trees will be much longer lived,

5th. The trees are more easily rid of destructive insects, the fruit is much less damaged by falling, and the facilities for gatheriug it are much greater; there is less danger of

6th. The trees require less pruning, scraping aud washing, and the roots are protectd from the plow, which is too often made to tear and mutilate them.

These secm to he indisputable facts, sufficient to silence all objections. An apple or eherry tree is uearly twice as valuable for shooting out low, near the ground, especially on the south-west side.

VICAR OF WINKFIELD PEAR.—This pear is sometimes called "Vicar of Wakefield," Goldsmith's celebrated novel being easier remembered than the Rev. Mr. Rham, Vicar of Winkfield, in Berkshire, Eugland, who imported the fruit from France. Iu the latter eountry it has been long known as Le Cure. The trees is of a pendant hahit and is very

WINE MAKING IN THE UNITED STATES. - Data about three weeks. Of these he had about derived from the last census short that in the culture of the viue Californ has the lead, half a bushel. They stood next to the straw-berries in point of delicacy.

He has a number of cherry trees. They yielded well last year. His family and friends used a bushel or so, and the children of the neighborbood fed themselves upon them without stint for two weeks.

Soon after the raspherries were gone, his to the vine California and the United Ates for vine culture capacity of the United Ates for vine culture may be judged from a single fact that California alone bar 5,00,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 vineyards in Jeposed not to exceed 12,000,000 peaches hegan to ripen. One of the trees ripened its fruit late, and it lasted till Octoher; of the United Ates for vine culture may be judged from a single fact that California alone bar 5,00,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 vineyards in States is about equal to that of the West and the state of the united Ates for vine culture may be judged from a single fact that California alone bar 5,00,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres adapted to vineyards in Jeposed not to exceed 12,000,000 acres ad Frar claimed, and in California 800. The All along, since the 1st of August, his apples 50 ber of vines now bearing in California is



Te country, in a report read hefore the Management of Grapevines.—George Hushmann, of Herrman, Mo., one of the most intelligent grape cultivators abstance: 1. Complete underdrainage. Missouri Horticultural Society, gives several requisites for success, founded on experience, of which the following is those summer pruning for removing useless shoots. 4. Carefully avoiding late and severe Summer pruning, which prevents the perfecting of the fruit and struction of insects, the worst of which are the rose bug, the leaf folder and the white thrip.







# Farm and Fireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MARCH 9, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillurs in a cluster—the largest in the centre, and that largest is Agriculture.—DANIEL WEBSTER.

#### EUROPEAN CORRESPONDENCE.

WE have the pleasure to announce to the readers of the FARM AND FIRESIDE that we have engaged the services of a practical agriculturist, a gentleman of talent, who will write letters from the Old World on subjects pertaining to rural affairs as they exist in England, France and Germany. He will also describe the great PARIS EXPOSITION, especially features of it which more directly interest the intelligent farm er and horticulturist. Our readers may expect some valuable and interesting letters.

#### AGRICULTURAL COLLEGES.

The donation of land voted by Congress to the several loyal States for the maintenance of Agricultural Colleges, is at the rate of thirty thousand acres for each Schator and Representative. The grant to Peunsylvauia will be about seven hundred and eighty thousand acres. Under the provisions of the act, the expenses of the management and sale must be paid out of the State Treasury. Ten per cent. of the sum realized may be employed in the purchase of lands and building sites; but the balance of the fund must remain iutact, aud be invested in reliable securities, yielding not less thau five per cent. Such revenue is to he faithfully appropriated to "the endowment and support of at least one College, where, without excluding other scientific and classical studies, and including military tactics, the leading object shall be to teach such branches of learning as are related to agriculture and the mechanic arts, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life.

Upon the policy employed in the disposal of 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 advocate, in view of an increased revenue in the future, a gradual sale of the land. Some of the Eastern States have realized eighty cents per acre for their scrip, while Ohio 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 Pennsylvania would amount to \$522,600. At the lowest rate of interest allowed (five per cent.) this sum would yield \$26,130, which would be quite a handsome yearly revenue to such colleges as are already established.

Europe is far in advance of this country in the estimate placed upon the value of agriculture as a science. There are seventy-five agricultural schools in France, thirty-two in Prussia, 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, twenty-two are "Superior Schools," ranking with the best colleges in this country in the extent and variety of the sciences taught; fifty-four are though instances are recorded of horses living "Intermediary Schools," which will compare favorably with most American colleges. The Royal Agricultural College at Circucester, has every man should possess, our noblest and best seven hundred acres, and six professors; the Agricultural School at Grignon, near Paris, has than he does. With proper care, food and seven hundred and fifty acres, and six professors; Bruuswick has a Superior School, with tution would live five-and-twenty years. Now, thirteen professors; in Saxony there is another they "go to the dogs" in eight or ten years. with seven thousand three hundred and fiftyfive acres and nine professors; the Institute of Agronomy and Forests, in Wurtemburg, has Brunswick, Maine, made, last year, from one eight hundred and twenty-five acres under cultivation, five thousand acres of forest, one director, six professors, four functuaries and two tutors. In these colleges the system of instruction is extensive and thorough; embracing algebra, geometry, 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, agricultu-

[nominated technological sciences; and rural architecture, forest economy, rural economy, rural law, and farm accounts, in the noological sciences. The practice of sub-dividing the business of teaching among so many professors, each of whom gives his undivided attention to a particular art or science, secures that preeminence in German universities and scholars for which they are distinguished.

Comparing the United States with the advantages presented, and the progress observable in Europe, we must conclude that there exists among us a mere germ of agricultural science; and whether the vitality of this germ is to be blighted by neglect, or developed by elfort, will depend upon the comprehensive view we take of our duty and the carnest manner in which we euter upon the discharge of the same. We do not deny that our progress in agriculture, for a decade of years, has been of a bright and encouraging character, but it is a fact, just as evident, that so long as we delay to establish numerous schools in which agricultural seience is the specialty, just so long will we be injuring farming interests in 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 rural economy, must work alone, at every disadvantage, without the smallest hope of compensation, while a thousand envious spirits stand ready to deprive him of any credit that may he due him for a life of selfsacrifizing devotion;" or that we "merely tolerate cattle shows because they do not iuvolve a process of thinking!" Experimental truths in husbandry and tillage are of infinitely more value than the new agricultural books, "filled with old saws that have been filed and re-set a thousand times with no improvement

AVERAGE PRODUCT OF GRAIN IN NEW YORK. At the annual meeting of the New York State Agricultural Society, ex-President Gould stated that the average product of Spring wheat in that State, was only seven bushels per acre; that of winter wheat, only thirteen hushels to the acre; corn, twenty-eight 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 undoubtedly 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 reduced her potassa and phosphoric acid; the remedy (partially) would be the cultivation of leguminous crops, such as peas, clover, &c. The reduced average products of land in New York and elsewhere, is a strong argument for "rotation of crops."

An Aged Horse.-A correspondent of the Turf, Field and Farm, writing from Galesburgh, Michigan, states that a horse owned by the Michigan Central Railroad, died in the early part of January, 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, alto the great age of forty-seven years. If the owners of horses had half the humanity which friend among animals would live much longer

A PROFITABLE Cow.—James Hardy, of cow, of our native breed, three hundred and what milk and cream were used in a family of come, at the present prices of dairy products.

ral zoology, and equitation, in what are de- stock in New York in 1856, was \$25,000,000. field, Mass.

#### PROVIDE A HOT-BED.

WE know of no thrifty farmer who appreciates Iresh Tomatoes, early in July, who will not provide a hot bed for the purpose of forwarding the plants of this and several other articles, such as Egg and Pepper plants. Many other incidental matters may be secured by its aid; such as a few choice annuals, Dahlias from cuttings, &c. The first week of March is the proper time in this latitude. It is prepared by selecting a warm location exposed to the South, if backed by a board fence, or at least within a few feet from one, so much the better. The most convenient mode of construction is movable boards for the frame, which may be keyed together when in use .-The size may vary, but three sashes, three and a half feet wide by seven feet long, will be quite sufficient. This will require a frame eight feet by twelve; allowing a margin at top and bottom and a cross bar between the sashes. The height at the back may be twenty-four inches, sloping to twelve or fifteen at the front.

The spot having beeu selected, remove about two feet of the soil over a space of fifteen feet by eight. Having secured a quantity of stable litter and leaves, sufficient to form a bank of about three feet in depth, material which is beginning to ferment, commence by spreading this in layers; shaking it out with the fork, so as to have it of equal compactness; the leaves to be spread in layers at intervals. If leaves can not be had, they may be dispensed with, but they lacilitate the lermentation and regulate it. As soon as the heap is of proper dimension, place the frame in its position, resting on the manure and cover with the sash, covering with mats or other protection to bring up the heat. As soon as heated thoroughly, cover with a few inches of old hot bed manure, preserved from scasou to season, or other rich compost and a few inches on top, with light loamy soil, sufficiently rich, yet open-on which to sow the seeds. Allow the whole to remain a few days till the undue heat and steam pass off. Care should be taken in sowing seeds, as they are frequently sown without judgment.

STOCK-RAISING IN ILLINOIS.—Stock-raising in Illinois has grown to enormous proportions. This state furnishes New York with more live stock than all the other states combined. During 1866 the total number of cattle received at New York was 298,882. Of this number, it is stated upon reliable authority, 165,287 were received from Illinois alone. The aggregate value of all this live stock was \$33,223,723 12, aud of the shipments from the state were \$18,-373,302 62. This exhibit gives a glimpse of the gigantic proportions of Illiuois agriculture.

GREASING BOOTS AND BRUTES.-Two things we have learned by loug practice and personal experience. Oue is that snow water will soak through best boot leather when no other water will. The other item is that pure, neats-foot oil, two or three times applied, and well warmed in, will more effectually fence out water, make dry fcet, soften aud preserve leather better than any other application we have ever tried. The same material is equally efficient and as valuable for greasing the hoofs and boot legs of horses during the slumpy, slushy weather of our winter thaws; applied with a sponge, and well rubbed in, to the legs of a horse, say medical attention, a horse of ordinary constiquite as comfortable as we had our own withand believe.

To Purchasers of Seeds.—The importance of using good seeds, for the field and garden, twenty pounds of butter, and sold two hun- is understood by all persons engaged in larmdred and seventy-five quarts of milk, besides ing or horticulture. Yet the market is full of what milk and cream were used in a family of poor seed, generally left on commission, with six persons. The cow was fed upon grass and parties not making the seed business a specialcorn-fodder in the Summer season; in the ty. We therefore take pleasure in recommend-Winter, four quarts of meal per day, and what ing the following named firms, as being first good English hay she would eat. A dozen class and reliable:-Messrs. Henry A. Dreer; such cows would yield quite a pretty little in- D. Landreth & Son; Collins, Alderson & Co.; Hacker, Philadelphia; Messrs. Henderson & The estimated value of farms and farm Fleming, New York, and B. K. Bliss, Spring- LIPPINCOTT as a regular contributor to our

### BLACKBERRY CULTURE.

WITHIN reasonable reach of such markets as any of our large cities afford for fruit, blackberry culture may be made to pay, on an average, larger and surer dividends than any other berries in cultivation. Six hundred and fifty dollars have been realized from a single acre in one season. That was an extraordinary exception to the general rule, however .-But every acre set to best kind of blackberries -which we consider the Kittalinny-well attended, and properly cultivated, being brought fairly into bearing, may be made to net \$300 per acre.

It is with the blackberry, however, as with almost all other branches of agricultural iudustry; clean culture, liberal fertilizing and judicious management pay best. slovenliness and scrimping manurial supplies, frequently bring the very best berries into contempt. We saw a fair sample of the slow sort of blackberry culture, quite receutly .-There was a field of six acres, perhaps, planted in rows six feet apart; the surface grown into grass that will probably afford first class pasturage in Spring and Summer; and the canes of last season's growth, with a large majority of the superannuated ones, lying all over the surface of the ground like a blown-about brush heap-scareely one eane in forty standing up for next Summer's service.

It won't do, geutlemeu! Such blackberry culture as that, will never pay. Better pursue a better practice, or else abandon the enterprisc before yourself and berries all "come to grief" together.

The course of culture that we should have pursued with that blackberry field, or any other, would have been to set the plants eighteen inches apart in the rows; the rows five, instead of six, feet apart; having the soil well enriched, in lirst rate tilth, and entirely free from grass and weeds. Then, along the liues of rows, at distances say twenty feet apart, set firmly into the ground leugths of cheap two inch hemlock plank, a foot wide, set square across the rows. Then stretch and secure to the edges of these plank-posts, small wires-l'our in number-the lower one, say eighteen inches from the ground, and the others spaced off a foot apart; making a wire fence, or trellis, if you please, along either side of every row.

Growing up within these wire fences the canes are prevented from falling down and obstructing the passages; and their heads being clipped hack with shears, they are induced to more stout, stocky growth, more prolific bearing, and earlier ripeniug of fruit. The spaces between the rows we would keep well cultivated, and made to pay by planting along the centre a row of either early peas or potatoes, to be followed by cabbages after the berry harvest is over. That is the way to make blackberry culture a first-class paying business. We know this from several years consecutive

## PEACH PROSPECTS IN MARYLAND.

Messrs Editors of the Farm and Fireside:

In answer to your question about the prospect of the peach crop, the present year, I reply, that in this neighborhood I have examined my own and several large orchards belonging to others, and find the trees well set with fruit buds; and in not a single instance have I found a bud injured by the frost of the past twice a week, protects him from several ills winter. We have had one of the most favoraand if we should have no late frosts in a dry, well oiled boot. Please experiment probably, have an abundance of peaches the coming Summer.

Yours respectfully, Z.P. Brick Meeting House, Md., Feb. 28th, 1867.

Atmospherio Influence.—The contribution of J. S. LIPPINCOTT, in this issue of the Farm and Fireside, showing the atmospheric inlluence on the Grape, is an article of great value. The author has made the atmosphere a study; and if his ideas are considered with the importance they deserve, heneficial results will follow-not only in the cultivation of the C. B. Rogers; Louis Tourny, and William Grape, but other fruits, in all sections of the country. We are pleased to announce Mr. iournal.



Deodorizing India-Rubber.—India-rubber is useful for an infinity of purposes, but it always has an evil odor. An English inventor proposes to overcome this defect by subjecting the rubber to the action of animal charcoal, which has an affinity for gases and smells. The mode of application varies according to the description of articles. Generally speaking, they are laid in shelves or trays in a hot chamber, with a thin stratum of charcoal beneath and on top, and exposed to a temperature of from one hundred and twenty to one hundred and eighty degrees for from three to six hours, after which they are removed from the charcoal, having sustained no other alteration than being rendered devoid of smell, and incapable of imparting any taste to liquids or other substances they may touch.





## Fireside Readings.

### THE OLD COUNTRY WIFE.

Wrapt in the golden woof Of her contented life, Under the olden roof, Sits the Old Country Wife, Turning the pages of memory ner, Bright with affection and love songs of yore! Thus from the morning balm Till evening's purple calm, Conning ald memories o'er and o'er, She cheerily sitteth, And merrily knitteth, In the calm light of the farm house door!

She sings a defiance, With glad songs of yore, To the sorrows of science, The sad things of lore,-Her hopes, her reliance Are not in their store, In the search of neologies She is not bent— Her wisdom, her knowledge, is Simple Content ! With her station content, When content she has trod-And content with her God! And conning old memories o'er and o'er, Contentedly sitting, And merrily knitting,
She hasks in the light of the farm house door Ahl little she knows

Of the world and its woes; Of its follies and fashion, Of the hleak storms of passion, The phantom of Gain, As he stalked through the land, With his pomp and his pain, She sought not to clasp; So she felt not the grasp Of rude Ruin's skeleton hand. But the quiet within, Undisturbed by the din Of madness and sin, Makes glad the dim light of the farm-house door, Where she cheerily sitteth, And merrily knitteth, Conning old memories o'er and o'er!

Thus calmly her life, Free from sorrow and strife, Hath spun out its quiet thread; And thus hath she knit, In her simple wit, Fond loves of the living and dead, And though old age hath silvered Her head, and hewildered Her thoughts of the dim days of yore; Yet, conning old memories o'er and o'er, She cheerily sitteth, And merrily knitteth,
In the calm light of the farm-house door!

Her loved ones of youth With their fondness and truth, Have passed through that farm-house door On Death's drooping plume, But their memiries perfume The tranquil content of the farm-house door And their musical teet On the golden street, By faith she can hear from the farm-house door: And soon through that portal, In raiment immortal, Shall go the good wife of the farm-house door, In pride, not in meekness, In strength, not in weakness, To join God's love With her dear ones above: And we shall behold never more, as of yore, The Old Country Wife sitting, And merrily knitting, In the calm light of the farm-house door

## SHOOTING HOGS IN THE GARDEN.

Something like a quarter of a century ago, the then youthful Henry Ward Beecher commenced the practice of preaching and horticulture in the then young city of Indianapolis, tne capital of the Hoosier State. In a recent letter to the editor of the Farmer at Indianapolis, the now famous preacher indulges in a few reminiscences of his early life, from which we extract the following items of garden experiblegged that some of his friends should he iu-

"I was too poor to hire much labor, and thereforo my own gardener, and, heing an enthusiast, I always planned twice as much work as I could possibly perform well, and so, my garden was not very trim and clean. But blight has not done the work of death, there 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 flowers-Dr. Mears and old Mrs. Bobbs. I lived to see a very general taste spring up for gardening, in part from the education and growschools, and I hope also in some small measure from my lahors. Daring my residence in Indiauapolis, everybody kept pigs, and everybody

kept them in the street. Governor Noble pre- ure, was urged to renew the attempt to draw of true manbood or true womanhood. Monmyself the owner of a herd of some thirty to 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 him: "Is there any one here who does not Heaven must do for him before he cau manage about twice a week, would get in, in spite of nails and springs, latehes and hinges. The chills made a night excursiou dangerous to me, yet one midnight I heard her cating and smaeking her chops, and could endure it no longer. I seized my guu, omitted formalities of toilet, and dashed out after her. Away 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, with a bark, she dashed hy me on the left. I took aim with my ear, and let off in succession both 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 domestic comfort is perfectly awful. Take Dante, the exile, who left his wife never wishing to see ber more ; take 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-Herrick, Cowley, Pope, Thomson, Prior, Gay, Shenstone, Gray, Akenside, Goldsmith, Collius, 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 themselves to geuius, or giving hirth to it. Take the philosophers-Baeon, like his famous legal adversary, Coke, seems to have enjoyed little domestic comfort, and speaks, for, as he says, "certain grave reasons," disapprovingly of his partner. Our metaphysiciaus - Hohbes, Locke, Beuthain, Butler-are as solitary as Spiuosa and Kant. The eelibate philosopher Hume conducts us to the other great bacbelor historians, Gibhon and Macaulay, as Bishop Butler does to some of the princes of Euglish divinity-Hooker cajoled into marrying a shrew. Cullinworth unmarried, Hammond unmarried, Leighton unmarried, Barrow also single. I only take foremost men; the list might he swelled with monarchs and generals in marriage.

## WEBSTER'S MOST IMPORTANT THOUGHT.

A correspondent of the Rochester American adds the following to the host of anecdotes of the 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 vited to dine with him the same evening.

There were about twenty or so at the table, and speaking hut little, if at all, pluuged iuto vice and exemption from censure, no matter to enliven his friends. This at length became thiugs grow well in it, and that satisfied me. It so apparent, and the situation of all so ungambling and rash speculation; and hence the friend of Webster-to get him into conversalively as they wished.

This friend consented and spoke aloud to Mr. Webster, asking him some questions that, in structed and vicious wealth, are imminently ordinary circumstances and with ordinary men, dangerous, in a free country, especially. Nowould have led to conversation, but it tailed in ing refinement of the city through its excellent the present case. The dark Secretary of State does the fact need to be dwelt upon that the merely answered simply, and crept into his riches which tempt people to put on airs, spurn cave again.

and so everybody thought at the table. Mr. know me?"

friends.

Then he looked over the table, and you may on such an occasion, giving answer to such a

"The most important thought that ever oceupied my mind," said he, "was that of my which, for twenty minutes, he spoke to them there; and when he had finished he got up from the table and retired to his room, and they, without a word, went iuto an adjacent parlor, and when they had gathered there, some one exclaimed, "Who ever heard of anything

What Mr. Webster said in advocacy of his sublime thought, I do not know. No one has ever repeated it, and I presume no one can.

### HOUSEHOLD HINTS.

Wood ashes aud common salt wet with wathe 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.

Sal soda will bleach very white; one spoonful is euough for a kettle of clothes.

Save your suds for garden plants, or for garden yards, when sandy.

Wash your tea trays with cold suds, polish with a little flour, and rub with a dry cloth.

Frozen potatoes make more starch thau fresh ones; they also make niee eake.

A hot shovel beld over varnished furniture will take out the white spots,

A bit of glue dissolved in skim milk and water will restore old crape.

Rihbons of any kind should be washed in cold soap suds, and not riused.

If your flat-irons are rough, rub them with fine salt, and it will make them smooth.

Out straw is the hest for filling heds; should he changed once a year.

If you are buying a carpet for durability, choose small figures. A bit of soap ruhhed on the hinges of doors

will prevent their creaking. Scotch snuff put in holes where 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 cranberry on a corn will soon kill it Always mend clothing before washing.

A Peril which threatens our social system, is an aristoeraey of wealth. The respect paid to money, the indulgence granted to money, the exclusiveness claimed by money, no matter how it is obtained or how used, no matter whether it be or he not accompanied by intelli- by the Prince Napoleon, cousin of the Emgence or character, is an increasing evil of the peror. The last named Prince represents the times. The impression is getting to be com- youngest male branch of the Bonaparte family, and Mr. Webster secmed wearied by his travel mon that riches will purchase deference, sera darksome sort of reverie, not well calculated how their possessors conduct themselves. Hence the lust of gain, taking every form of pleasant, that one of the company urged upon assumption of superiority by many, their prea very distinguished man present—a warm tensions as leaders in society, based on no personal merit, but only on the fact that they are tion. He needed to he jogged to become as owners of large funds, or in the enjoyment of large incomes. The domination of ignorant opulence, the demoralizing influence of uninwhere, therefore, more thau in a democracy, Again the gentleman, frightened by his fail- caprices and impulses, are not necessarily proofs laving been most striking.

sented me with a pair, and in two years I found him out. He summoned courage and said: ey is casily won and lost in this land of large "Mr. Webster, (Mr. Webster looked up out of resources; and the winning and losing of it is "children of the street," and of not good con- his cave,) I want you to tell me what was the often owing to circumstances, rather than to duct. Their skill in opening gates, digging in- most important thought that ever occupied any qualities of mind or heart deserving reyour mind." Here was a thumper for him, spect. Moreover, if he who calls millions his own will only earefully examine, and see how Webster slowly passed his hand over his fore- much he owes to agencies and opportunities he head, and in a low tone said to a frieud near neither created nor controlled, and how much a single dollar of his treasures, he will learn "No, sir, they all know you-all are your that most of his demands for the deference of his fellow men are false pretences; that he claims for himself the regard due to the Proviimagine how the tones of his voice would be dence which has favored him-meaning to make of him a steward of its bounty, as well as confer upon him the means of liheral living. In a word, wealth should, among us, bave personal worth to back it, and be attended by perindividual responsibility to God!" Upon sonal modesty, before it deserves any distinguishing consideration.

### THE FUTURE EMPEROR OF FRANCE.

THE young Prince Napoleon Louis Jean Joseph was horn on the 15th of March, 1856, aud is therefore now drawing toward the completion of his eleventh year. While still in arms 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, and afterwards assume a military command, it was designed, as a compliment to the army that he ter will stop the cracks of a stove, and prevent 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 with other youths of his own age, and in this way he was taught the bayouet and other drills before he was eight years old.

> By this time, too, he had been made a noncommissioned officer of his regiment, and he is now passing step by step through the various grades toward the rank of colonel. But while special attention has been given to his military training, his education as a citizen has not been neglected. Besides the ordinary rudiments of instruction, he has received lessons in two or three handicrafts, the last of which was the setting up of types in the imperial printing office of Paris. The object of this may have been simply to extend his sphere of knowledge, and enlarge his views in after life; but the ability to earn a living, like an ordinary individual, has before now proved a valuable accomplishment for even the heir to a throne. It will be remembered that a recent monarch of France, King Louis Phillippe, in exile in Switzerlaud, in early life, pursued for a time the calling of a schoolmaster. The young Prince Imperial bears the reputation of heing intelligent, good tempered, and very much attached to his friends and chosen companions.

> Many anecdotes illustrating the qualities attributed to him from time 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 them here. In the eveut of the death of the Emperor Napoleon III. before the Prince Imperial becomes 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 being descended from Jerome Bonaparte, who was for a time King of Westphalia. The branch from which the present Emperor and the Prince Imperial descend is that of Louis, third brother of the first Napoleon, and who married Hortense, a daughter of the Empress Josephine hy her first husband, M. de Beau-

THE SALMON FISHERIES. -In Great Britain it is calculated that a salmon represents a value equivalent to that of a good-sized sheep, without imposing 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 been very marked, the restraints, and yield themselves up to selfish results in the case of the Seotch and Irish rivers



TREATMENT OF THE AGED. - A little thoughtful attention, how happy it makes the old! They have outlived most of the friends of their early youth. How louely their hours! Often their partners in life have long filled silent graves; often their children they bave followed to the tomb. They stand solitary, bending on their staff, waiting till the same call shall reach them. How often they must think of absent, lamented faces; of the love which cherished them, and the tears of sympathy that fell with theirs, now all gone! Why should not the young cling around and comfort them, cheering the gloom with songs and happy smiles?





## The Field.

## VALUABLE EXPERIMENTS WITH POTATOES.

Dr. Hexamer, of New Castle, N. Y., furnishes us again with au account of some very important experiments of his with potatoes, and also with the tally of his crops reduced to hushels per acre for each sort. We should preface the specifications of these results by stating that Dr. II, is an accurate and scientific experimenter and observer, and a good farmer. His results have a scientific value,

#### RESULTS OF EXPERIMENTS.

- 1. Out of 70 bills of potatoes, peeled so that no eyes were visible, 35 grew. Some produced very large potatoes. The planted potatoes remained, mostly, hard and firm till dig-
- 2. Out of 80 hills, pieces cut without eyes, 15 hills grew. All of these sprouted on the eut surfaces, noue through skiu. (One large potatoe, cut in two lengthwise, sprouted on the cut side near, but below the skin, and there was no sprout proceeding from a visible eye.)
- 3. Out of 100 whole potatoes, 98 grew from the small end, and 2 at the side. With more thau half the number of potatoes plauted whole, only one eye grew, the rest remaining dormant.
- 4. A potato does not always expend all germinating power in one year.
- 5. We, rot and dry rot are one and the same disease. Potatoes affected with the rot, will rot dry when they are kept dry, and the same will rot wet when they are kept in a moist

### YIELD OF POTATOES IN 1866.

The following list is arranged in order of productiveness, and gives the number of years the seed has been planted on the farm, and the amount of assorted, marketable potatoes:

Towlster	Years	Bu. per	D
Variety.	plaoted.	acre.	Remarks.
Cuzco		869	No rot.
Monitor		262	Rotted hadly,
Pinkeye Rustycoat		249	No rot.
White Peach Blow	.3d year	235	Rot.
Fiuke		215	No rot.
l'each Blow		200	Much rot.
Mercer		189	Much rot.
Bulkley's Seedling	.3d year	188	Muca rot.
Garnet Chili	.3d year	166	Rot.
Buckeye,		150	Laten by grubs.
Early Goodrich	.2d year	145	No rot.
Prairie Seedling	.3d year	125	Rotted hadly.
Larly Cottage		113	No rot.
Colebrook	.1st year	109	Rot.
Blue Mercer		IOa	Rotted.
Gleason		95	No rot poor location
Jackson White	.1st year	90	Rot,
Dykemaa		85	Little rot.
Prince Albert		80	
		75	Rotted hadly.
White Rock		62	No rot.
Rough and Ready	3d year		Rotted.
Larly Sovereigu	.2d year	57	No rot.
Early Juae	.3d year	53	Poor location, no rot
Agriculturi	st.		

GRASS FIELDS-HOW LONG CAN THEY BE CROPPEN WITHOUT MANURING?-This is eertaiuly an important 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 carried from the farm aud shipped to western markets; after a few years of such eropping we find our fields "running out," as we term it; and no wonder, for, as the old adage has it, "how cau we expect to be continually drawing from the spigot if we put nothing in at the bung?" There is a great difference in our varieties of soil in regard to "holding out" for grass. Our rocky, rough uplands will maintain their fertility, and produce auuually crops much longer than the lower, sandy, and more friable soils, which, if not top-dressed or cultivated every two years or so, will soon he non-producing. The fact, as regards the matter is, hay should never he sold from the farm, not at least until its equivaPROVISIONS have Improved, though not active. The stock is lent is returned in some form of fertilizer. But less than was anticipated. We quote new mess at \$21 38. it is annually doue; so we are brought to the eonsideration of the question at the head of this article.

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 productiveness of his field. By cutting the grass early the second erop obtained a good growth before winter, and heing allowed to remain, acted as a mulch and fertilizer to the roots during the eold, and decaying the next year was a good manure for plants. If the second erop had 17,709 head. heen cut or fed off, we venture to say his fields Receipts 13,903.

would not have produced crops worth harvesting for the half of fifteen years.

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending March 8, 1867.]						
FARM PRODUCTS, FUEL, &c.						
Hay \$\partial \text{ton.} \\ \partial 38 \\ \text{Straw }\partial \text{ton.} \\ \partial 20 \\ \text{Cosl }\partial \text{ton.} \\ \partial 210 \\ \text{50a12 50} \\ \text{Oats }\partial \text{bush.} \\ \text{85a90c}	Wood 78 cord					
GROGER	IES, &c.					
Corn Meal\$1 30	Oil # gal					
ЖЕЛТ	MEATS, &c.					
Beef Steak.       18a25c         Beef, corned.       10a15c         Tongues, clear.       20c         Mntton.       9a14c         Venl.       10a20c	Hams.					

#### BRIGHTON CATTLE MARKET.

March 6th, 1867.

At market for the current week: Cattle, 1310; Sheep sno Lambs, 6014; Swine, 200.

PRICES. Beef Cattle—Extra, \$13.50@\$14.00; first quality \$12.75@\$13.25; second quality, \$11.50@\$12.50; third quality \$10.00@\$11.00 \$ 100 fbs (the total weight of bides, tallow and

Country Hides, 9毫9%c 设 tb. Country Tallow 7@7%c 设 tb Brighton Hides, 10@10%c 19 th; Brighton Tallow, 7%@80

# lb. Dry Sheep Skins, 60c@al.25; Wool Sheep Skins, \$1.75@ There is a larger supply of Becves in market than there was

ne week ago, and trade has been very sctive. Prices remain unchanged from the last quotations, Stores - Nearly all the small Cattle that are in a fair condition

sre hought up to slaughter. There is but a few Cattle sold for Slores at this scasoa of the year. Working Oxea-There is a good demand for Working Oxen-

We quote sales at \$170, \$175, \$190, \$200, \$210, \$220, \$225 \$230, \$235, \$250a \$260 \$9 pair. MILCH COWS-Sales extra \$85al15; ordinary \$60a75: Store Cows \$35a50. Prices of Milch Cows depend altogether upon the faacy of the purchaser. There is a good supply of Cows in

SHEEP AND LAMBS-The trade for sheep and lambs has been active, but there was not so large a supply in market as last week. We quote sales at  $5\frac{1}{2}$ ,  $5\frac{1}{2}$ , 6,  $6\frac{1}{2}$ ,  $6\frac{1}{2}$ , 7,  $7\frac{1}{2}$ , 8,  $8\frac{1}{2}$ , 8

SWINE-There is a few Store Pigs la market, retailing at 10a12c ₩ ib; wholesale at 9%c ₩ ib.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

THERE has been much irregularity and depression in the wholesalc market during the past week. The demand has been chiefly confined to domestic trade. The business done was oa-ly about one-fourth of the amount for the corresponding period last year. Nearly all staple articles have been sold at a material loss to the producers.

FLOUR has sold slowly, and under the anxiety to realize, the low grades have sgain declined. They are much depressed at the close, while family brands are quiet, but steady. The stock is reduced, but is still large for the season. We quote extra State at \$9 80@11 70 low grades; of Western extra, \$9 50@ 10 90; shipping Ohlo, \$10 40@11 40; St. Louis extras, \$12.@16. California flour has been quite active, and with large offerings, has declined. Much of this flour is of very superior quality, but is not popular with bakers, as it lacks strength. Good extras sells at \$14@14 25. Southern flour has declined ten to fifteen cents a harrel, and sold slowly.

RYE FLOUR has sold freely, and closes firm at \$8@10 \$ bhl, COEN MEAL has declined and closes heavy. We quote Jersey at \$5 10@5 15, and Brandywiae at \$5 40@5 45 afloat.

WHEAT opened steady, but to effect sales holders had to sub mit to a decliae, and there is only a moderate demand at the coacession. We quote No. 3 at \$2 05@2 12; No. 2, st \$2 18@ 2 25; No. 1, \$2 35; white California, \$2 80@3 10; white Canadisn, \$3@3 20; white Michigan, \$3 20@3 30; amber State, \$3 @3 08. The stock has been reduced about '00,000 of home growth, while the supply of California has been large. The present stock is estimated at 2,100,000 husbels.

BABLEY has been more active, chiefly for export, and the stock is materially reduced. It is estimated at 1,500,000 bushels. We quote Western at 82@86c; Canada West, in hoad, at 92@93c, and \$1 10@1 12; State, 95c@\$1 18.

RYE has been more active and has improved slightly. We quote Westera at \$1 12@1 18; State \$1 23@1 32.

OATS have been quite active but at variable prices, closing

CORN has been pressed on the market, and under less favor.

able news from Europe has fluctuated materially. Prices have declined, and there is a good inquiry at the concession.

21 50, and old mess at \$20 50.

BEEF is la moderate supply and prices are firm.

BACON has sold freely at full prices. LARD has been fairly active, but at lower prices.

Bressed Hoos have advacced, and with light arrivals are in

WHISKEY has been neglected, and is unsettled at the close COTTON has been laactive and irregular. Early in the week prices were unfavorable. At the close the market is firmer. RIO COFFEE has advaaced a quarter of a ceat a pound. The

### NEW YORK CATTLE MARKET.

NEW YORK, March 4 .- BEEF CATTLE-Market opened with declined fully 1c, the market remaining dull and depressed at the decline; prices ranged from 17%c for choice down to 13c.—Receipts 6130 head.

SHEEF-The market closed firm, prices having slightly declined; sales at 7%c for common, and 9 to for prime. Receipts

Hogs-Sales slow, with a downward tendency, at 8@8%c.

#### WESTERN PRODUCE PRICES.

CHICAGO, March 6.-Provisions continue firm and prices tend pwards. Mess Pork advanced 12½ c, with cash sales at \$19.25 @19 50. Offerings of bulk meats light, but market strong. Lard firm but quiet. Dressed logs unsettled. Flour steady and firm for spring extras. Wheat advanced 1(\$\tilde{a}\$20; market for No. 2 spring closes firm at \$1 92; No. 1 spring sold at \$2 21 regular, and \$2 27 for fresh receipts in elevator. Corn in active speculative demand; sales No. 1 at 78%@79%c, closing firm with few huyers at 79%c. Oats steady and quiet, closing at 41c for No. 2. Beccipts to-day, 2,400 hhls. flour, 8,500 centals whest, 15,000 centals corn, 1,700 centals oats, 4,400 hogs. Shipments-7,000 bhls, flour, 8,000 centals wheat, 1,800 centals corn

### THE COAL TRADE.

WHILE coal has been reduced \$1 % ton at Pottsville and Schuylkill Haven, from the corresponding prices of last year, this season, the railroad opens her spring rates at a reduction of only 3%c  $\Re$  ton. The result is, that while all the New York companies are full of orders, the trade here is paralyzed.— Coastwise freights have notyet settled to a uniform rate, and may be quoted at  $\pm 2.50 @ 2.75 \ \%$  ton to Boston. We lear a that freights and tolls by the Schuylkill Navigation Company have heea fixed, hut act yet officially announced, as follows: From Schuylkill Haven to Philadelphia \$1; from Philadelphia to New York \$2 20, total \$3 20. Out of which they allow a drawback on shipments to New York of 20c & ton. Anthracte coal on hoard of vessels at Port Richmond we quote as follows: §4 50 @5 00 for white ash, and \$4 75@a5 25 for red ash, according to quality .- [Phlladelphia North American.

### Marriages.

In Woonsocket, Mr. Edwin F., Mower to Miss Sarahi II, Pond, both of Milford.

In Lonsdale, 18th ult., by Rev. W. W. Sever, Grorge A., Swax to CAROLINE S., daughter of James S. Fidge, all of North Providence. 27th ult., in Christ church, by the same, Ornald of L. 28th ult., by the same, Jesse G. Barrier to Carrier D., daughter of Tromas Charrier, both of Pawticket, 2d inst., George E. E. Eddy of Smithfield, to Olivia B., daughter of Stephen B. Swan, of North Providence.

In Slatersville, 18th ult., by Rev. E. A. Buck, Mr. John G. Buffun of Houglass, Mass., to Miss Henrietta Dunn of N. 1100Sao, N. Y.

In Springfield, Mass., Mr. W. J. BRADBURY to Miss MARY E. ROUNDS, daughter of A. C. ROUNDS, Esq., of Milford.

At St. John's Rectory, Millville, Mass., on Sunday, 3d Inst., by the Rev. George Rumney, HENRY N. HOLBBOOK to ELIZA H. TUCKER, hoth of Blackstone.

In Portsmouth, 12th ult., by Rev. Dr. Geo. W. Chevers, Rec-or of St. Paul's church, Mr. teank Hilliand, of Portsmouth, o Miss Nellie L. Thavee, formerly of Woonsocket.

In Pawtucket, 25th ult., Mr. JOSEPH II. GARDNER of Paw-ucket, to Miss Eliza F. Cotton of North Providence.

In Frederick, Md., 25th ult., John A. Tompkins, formerly of Providence, R. 1., to Anne, daughter of Gen. Edward Shri-Zer of Baltimore.

In River Point, 3d nit., by Rev. J. K. Aldrich, Mr. William T. Mills, of Centreville, to Miss Jane D. McKay, of River Polat.

### Deaths.

In Elackstone, 24th ult., Mra. DIANNA ALDRIGH, wife of Mr. MARVEL ALDRICH, aged 51 years and 11 months.

Drowned in Pawtucket, 21st ult., JAMES SHERRY, only child of JAMES and MAEGARET SHERRY, in the 3d year of bis age. In Millyille, 4th last, Mrs. DENOY F., wife of ESTUS LAMI, aged 61 years and 10 months.

Ia Burrillville, Jan. 7th, Mrs Sarah Ketth, aged 86 years. In Providence, 26th ult., MARY C., widow of Capt. ROBERT TRKIS, in the 80th year of her age; SARAH LOOKWOOD, eld ust daughter of WM. J. and EMILY W. HARRIS, aged 30.

In Coventry, 2d lnst., GBADIAH POTTER, aged 32 years. In West Dedham, Feb. 24th, Mrs. BETSKY BAKER, 80 years At the age of 12 she braided for herself a straw bonnet, the firs ever braided in the United States.

In Pomfret, Coan., Feb. 16th, Mrs. Susan Johnson, aged 70.
In Smithfield, 27th ult., Caroline Augusta, wife of Benjamin Wilbur, in the 38th year of her age.
In Providence, 27th ult., Edward Barnes Jaokson, in the 42d year of his age; 4th inst., James Coleman Bioelow, la the 52d year of his age.

lu Johnston, 28th ult., HANNAH HARRIS, widow of Captain Christopher Harris, iu the 72d year of ber agc.

la Seekonk, 4th iast., SARAH BROWN, widow of the late Phiemon Brown, in the 87th year of her age.

In Millbury, SUSAN PROAL, wife of Thomas Proal, aged 81 In Webster, Feb. 28, Dr. J. G. HART, aged 38 years.

In Sonora, California, Jaa, 5th, of consumption, George O. FAY of Holliston, Mass., aged 23 years.

TLOUR OF BONE AS A FERTILIZER.—Mr. S. N. HUDBARD. Brimfield, Mass., says: "I will acknowledge the receipt of the ŁLOUR OF BONE from you last spring, which I have tried on Cora. Potatoes, Cabbage, Turnips and Grass and nm satisfied that it is a very valuable fertilizer." The PURE, UNBERNI, UNADLITERATED ŁLOUR O BONE is made solely by the BOSTON MILLING AND MANUFACTURING CO., who gustantee its PURITY. General Agency, 8 Central Street, BOSTON, Mass.

## Advertisements.

## Massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS

CASH ADVANCES MADE ON CONSIGNMENTS.

233 State Street, and 130 Central Street, Boston New England Agents for the

NONPARIEL FRENCH GUANO.

It is claimed that this Fertilizer is superior to any in the mar-tet, its virtues and merits over others being to prevent all in-sects and worms from destroying crops of plants, without hirra-ag or Injuring those of the most delicate nature. It is much tronger than the Fernvian, thereby requiring a less quantity to termaceatly earlich the soil.

PRIOR \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

## New Jersey.

STRAWBERRY, RASPBERRY, AND
BLACKBERRY PLANTS,
Of the hest and most refiable varieties, grown with especial
care as to purity and strength. No plasts seat out but what
will give satisfaction, and at as low rates as any. Prices to
suit the wholesale—prices to suit the retail; and \$16 worth seat
for \$10, to suit those who wish family lists, Catalogues free.—
Send for one.

March 9, 1867.

Moorestowa, N. J.
2w-p&we-9

## The American Tea Company.

#### THE IMMENSE PROFITS

TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too asany and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these

necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American houses, leaving out of the account entirely the profits of the Chinese

1st. The American House in China or Japan makes large profits on their sales or shipments—and some of the richest retired mericants in this country have made their immense fortanes through their houses in China.

2d. The Bunker makes large profits upon the foreign exchange used in the purchase of Teas.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

3d. The Importer anakes a profit of 30 to 50 per cent in many cases,
4th. On its arrival it is sold by the cargo, and the l'urchaser sells to the Speculator in involcessor 1,000 to 2,000 packages, at an average profit of about 10 per cent.
5th. The Speculator sells to the Wholesale Tea Pealer in lines at a profit of 10 to 15 per cent.
6th. The Wholesale Tea Leafer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.
7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.
8th. The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small deslers,

We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and wriste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small profit to ourselves—which, on our large sales, will amply pay us.

Through our system of supplying Clubsthroughout the country, consumers in all parts of the United States cnn receive their Teas at the same price (with the small additional expense of transportation) as though they hought them at our Wareouses in this city.

Some parties inquire of us how they shall proceed to get up a club. The answer is simply this: Let each person withing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and amonats plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need he no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Erpress, as may suit the convenience of the Club. Or if the amount ordered exceeds thirty dollars, we will, if desired, send the goods by Express, to " collect on delivery,"

Hereafter we will send a complimentary package to the party

getting up the club. Our profits are small, but we will be as ineral as we can afford. We send ao complimentary pack-age for Clubs less than \$20.

Parties getting their Teas from us may confidently rely upon getting them pure and fresh as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company self them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

## PRICE LIST :

YOUNG HYSON (Green), 50c., 90c., \$1, \$1 10, best \$1 25 \( \frac{1}{2} \) Ib.

GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 \( \frac{1}{2} \) Ib.

MIXED, 70c., 80c., 90c., best \$1 \( \frac{1}{2} \) Ib.

JAPAN, \$1, \$1 10, bast \$1 25 \( \frac{1}{2} \) Ib.

OOLONG (Black), 70c., \$0c., 90c., best \$1 \( \frac{1}{2} \) Ib.

IMPERIAL (Green), best \$1 25 \( \frac{1}{2} \) Ib.

ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 29 \( \frac{1}{2} \) Ib.

GUNPOWNER (Greea), \$1 25, best, \$1 50.

These Teas are chosen for their intrinsic worth, keeping in hind health, economy, and a high degree of pleasure in drink-ng them. mind health, economy, and a night degree of probability them.

Our Blacks, and Green Mixed Teas will give universal satisfaction, and suit all tastes, being composed of the best Foothow Blacks and Moyune Greens. Finglish Breskfast is not recommended, excepting to those who have nequired a taste for that kind of Tea, although it is the flaest Imported.

Customers can save from 50c. to \$1 per th by purchasing their

## THE GREAT AMERICAN TEA CO.,

NOS. 31 and 33 VESEY-ST., corner of CHURCH.

Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 25c., 25c., best 40c. per pound. Hotels, Saloons, Boarding-bouse keepers, and families who use large quantities of "offee, can conomize tu that art cle by using our rench Breakfast and Dinner Coffee, which we sell at the low price of 30c, per pound, and warrant to give perfect satisfaction.

## Club Orders.

Washington, Pa., Nov. 10, 1866.
To the Great American Tea Company,
Nos. 31 and 33 Yessy-st. New-York.
Gents: 1 forward you my fourth order.

Nos. 31 and 33 Vesey-st. New-York.

Gents: 1 forward you my fourth order and could have doubled it if 1 had collected sby. as your Teas take the lead in the market, we feel it a saving of \$1 per pound. Please accept my thanks for the complimentary package. Address by Express, Martia Luther, Washington, Pa. MARTIN LUTTIER

10	40	* out g 11) son, in ponta packages	1 207	12 Lin 11
5	lb	Young Hyson I allas Jacksonat	1 25	6.5
2	lb	Young Hyson Henry Herr ck at	25	2.5
9	th	Young Hyson George Murphy at 1	25	2 5
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- 2			25	2 5
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- 2		Young Hyson John Natten at 1	25	2 5
- 4		Young Hyson Mark Combs at 1	25	5 0
2		Young HysonJohn Allenat I	25	2 5
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\$84 00

DOUBLE STORE. 3m-8



Few theological definitions could bear the palm from that of a priest who having preached a sermon on miracles, was asked by one of his congregation walking homeward, to explain a little more lucidly what he meant. "Is it a miraele you want to understand," said the priest. "Walk on, theu, forninst me, and I'll think how I can explain it to you." The man walked on, and the priest came helind him and gave him a tremendous kick. "Uugh!" roared the sufferer, "why did you do that?" "Did you feel it?" said the priest. "To he sure I did," replied the unkappy disciple. "Well, then, remember this.—It would have been a "miraele" if you had not."



## Agricultural Chemistry.

NIGHT SOIL.

Written for the Farm and Fireside. BY ALEXANDER HYDE, LEE, MASS.

THERE is no question that manure is the basis of good farming. Show us the farm with the largest piles of manure, and we will show you the farm with the largest crops. In the early settlement of our country, the soil heing in an iuexbausted conditiou, our fathers did not realize the value of manure, and fell into slovenly habits iu its manufacture and preservation, and the children very naturally have perpetuated these habits. With the altered condition of the soil, consequent upon long culture, the value of manure is more highly appreciated; still, the majority of farmers fail in their estimation of what constitutes the great secret of their success.

We desire, in this article, to call attention to one source of mauure, which is, perhaps, nuore uudervalued than any other, viz: the privy vault. The neglect of this most valuable source of supply arises partly from ignorance of its real worth and partly from the disagreeable odor arising from handling it. Oftentimes the blessings nearest home are the most lightly esteemed. While we are sending ships to the Pacific Ocean to bring back guano, the deposit of birds on the islands of that distant sea, we lightly 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 own premises. Urate is merely human urine in which gypsum has been mixed, the whole allowed to stand and ferment for a few days, the liquid poured off and the solid part dried. There is no question of the value of this article of commerce; but the process of manufacture is a wasteful one, as the gypsum does not absorb all the ammonia generated in the fermentation, and the liquid portion, which is thrown away, must contain many valuable salts iu solution. Iu the neighhorhood of our large cities, the solid excrements from the privies are dried, and mixed with some deodorizing substance, and sold uuder the name of poudrette. Of its great value, all who have used it are willing to bear testimony .-But in the process of manufacture there is waste of valuable gases and opportunity for adulteration. Why not maunfacture our owu urate and poudrette? We shall then know wbat we have aud save nine-tentbs of the expease. The uriue of a man is estimated to be one thousand pounds a year, and its composi-

Water	033
Urea	300
Autual matter	17
Sulphate of rotash	4
	3
Phosphate of Soda.	3
Common Salt	134
Other Ingredients	4
Total	000

The nrea, upon which mainly depends the value of urine, is a white, salt-like substance, and contains nearly fifty per cent. of nitrogen, and is therefore far richer than flesh, blood or any of the fertilizing substances so highly prized for their ammonia. The quantity of arine voided by a man is estimated to be the same as that of a horse, and is much ricber in fertilizing material. The saving of this would generally adopted. be a uational blessing; and the increased products arising from its careful preservation and application to the soil, would soon pay off our national debt. As the case now is, it is mostly lost. In our large cities the great majority is carried off by sewers into the sea, and the more tallow to make the wax softer, are the land is robbed of a vast amount of fertilizing jugredients of grafting wax. Melt them tomaterial. In fish, seaweed, etc., we do not get back one tithe of what we give. No wonthus witlessly paid the sea. In our villages and rural homes the case is not much better .-The sea does not indeed swallow up the urea, but in the great majority of cases, it is left to pollute the air; aud if nature was not more provident than mau, and with every rain and snow did not restore it to the earth, our land would be in a worse plight than it is.

The solid excrements found in our privies are more highly estcemed and more generally valuable as timothy.

used, but they are far from being economically preserved or rightly valued. Those in our many butchers, wool dealers, &c., are purcities also mostly go iuto the sea. The Chinese, whom we despise and are searcely willing to allow a foothold on our shores, can teach us some lessons in saving manure from this source. It is a little singular that England, with its great love of agriculture, should waste night soil enough from the city of London that the hides will not pass city iuspection, alone to manure highly more than a million of acres. Paris is more provident, and its arrangements for saving the feeal matter are excellent. The business is iutrusted to contractors, whose duty it is to clean the vaults of all who apply to them. The business is done after 11 o'clock at night. The vehicle iu which Sprinkle the bide with two or three shovelsful the night soil is conveyed, is a large, tight cask, which is driven to the door and a long leather a sixty to eighty pound hide, from ten to fifhose is carried to the vault, and the air being teen pounds of salt. At any rate cover the exhausted from the tube, the fecal matter, in a semi-liquid state, is passed through it directly to the cask, by atmospheric pressure. The days, after which take them up, shake the salt carts are required to arrive at the general depot out, and use it again. - Shoe and Leather Reoutside of the city, before daylight, where it is porter. deodorized, dried and sold to the farmers.-Near our large villages there is an abundance of this fecal matter which can be had for the mere hauliug, and were it not for the stench, it can easily be obviated. Let every householder keep near his privy a barrel of charcoal dust, gypsum, coal ashes, or even saud, and every day or two throw into the vault sufficient to absorb the effluvia. The cleanliness of his premises will be promoted, and a compost will be made, which he will find little trouble iu removing. No farmer of common sense will object to removing it, nor will be need to take a smelling bottle with him either. The vault sbould he so coustructed that no water can run in to dilute and leach the night soil. An ordinary family of six persons will cousume four or five barrels of flour and a thousand pounds of meat iu a year, and this highly nutritious food necessarily produces a fecal deposit of exceeding richness. The more nutritious the food, the richer the deposit. It requires the average product of an acre of wheat to supply flonr for an ordinary family, and the vanlt of such a family should furnish sufficient manure, if rightly composted, to keep an acre of land in good beart; for the vault receives not only the refuse of the acre of wbeat, but the refuse also of all the meat, vegetables and fruit consumed in the family. But in order to this the ammonia, sulphurated hydrogen and other gases, must be retained by some absorbent frequently thrown iuto the vault, especially in tbe warm season, when fermentation goes on rapidly. We have found charcoal dust a cheap and excellent absorbent. In the neighborhood of charcoal pits and furnaces it can be obtaiued for a trifle. Dry muck answers much the same purpose and is more abundant. Whatever is used, should be used freely. Night 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 garden products, it is a shame to neglect this abundant source of fertility, and it will be fortunate for New England when the prejudice against the use of night soil is overcome, and a more systematic mode for its preservation is March, 1867.

GRAFTING WAX-Solons-Tallow, rosin and beeswax mixed in equal parts, or with a little gether aud then work it with the hands. Scions may be cut at any time in the Winter; der the land is impoverished by the great tax they should be cut before the sap starts in the least. Keep them in fine soil in the cellar till wanted for use.

> THE WILD GRASSES OF THE WEST .- A Kansas correspondent of the New York Tribune says that wild grasses improve in quality as one goes West. As far West as Colorado the dead grass is nearly as good as oats. In Kansas some good farmers think the native grass as

LEATHER.—CURING GREEN HIDES.—A great chasers of hides off the beef in the country towns, and we often get from them inquiries as to the proper and most profitable method of curiug the hide and preparing it for the market. A great many butchers do not use proper care in this branch, and the consequence is owing entirely to the ignorance or carelessness of the person wbo prepared them for the market. The proper way to salt hides is to lay them out flat, flesh side up, and form a nearly square bed, say twelve by fifteen feet, folding in the edges so as to make them lay out flat. of coarse salt, as the size may require—say for hide well, as it need not be wasted: then let them remain in this from fifteen to twenty

Protection to Roofs.—Shingled roofs soon acquire a furze, which operating as a sort of dam in wet weather, retains the water and would be extensively used. This objection causes the shingles to rot early; and when dry it is like tinder, on which a spark falling from tbe chimney will suddenly set the roof on fire. To guard against both of these liabilties, take an opportunity just before a rain, to sprinkle a coating of air-slacked lime all over the surface of the roof. The rain and lime will remove tbc furze, making the surface clear and smooth, and the limewater, penetrating the shingle, will preserve the wood for many years, if the practice is occasionally renewed.

> THIRTY YEARS OF PROSPERITY.—The San Antonio (Texas) Express, speaking of dry seasons and crops, has the following:

"There is a tradition among the old settlers of this frontier that the seasons of prosperity in agriculture are periodical. According to the tradition, there are ten years' drouth our of every forty years. The section has just passed through more than ten years of nnusnal severe drouth. We are about to enter thirty years of prosperity. Our farmers should be setting their houses in order,' fitting up their fences, preparatory to the fiue crops to come.'

THE CROPS IN MISSISSIPPI.—A private letter from Camargo, Monroe county, Mississippi, says: "The farmers have not succeeded in getting half enough labor 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 dinner the following toast was given: "The game of fortune. Sbuffle the cards as you will, spades must win."

## Advertising Department.

SOUTH DOWN CO.'S PATENT

# ${f SheepWashTobacco}$

TICKS, SCAB, VERMIN AND FOOT ROT should be used by all Farmers on ANIMALS AND PLANTS.

This pure preparation has been successfully used for ears, and never fails to produce the desired effect when used according to directions.

It will not injure the most delicate animal. It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep.

It cures SCAB on Sbeep.
It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN, 23 Central Wharf, Boston, Massachusetts. For sale by Kendall & Whitney, Portland, Me.: N.S. Harlow, Bangor, Me.; Simonds & Co., Fitzwilliam, N. H. March 9, 1866.

4m-we-9

DERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

## Rhode Island

RIVER 1 RO WOONSOCKET, B. I.

W. A. HENNESSEY,.....Proprietor.

Boilers repaired in a thorough manner at short notice. SHOPAT NORTH END, NEAR HARRIS'S NEW MILI Refers by permission to

RICE, BARTON & Co., Macbinists and Boiler Makers, Worces etr, Mass.
Bellows & Whitcomb, Engineers, Worcester, Mass.
C. W. Kimball, Esc., late Master Mechanic U. S. Armory,
Springield, Mass.
HON. E. Habels, Woonsocket.

MAUPAY'S SUPERIOR TOMATO SEED can be had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. 1

WHITE FRENCH TURNIP, of the purest kind, raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Caual Street, Providence, R. 1. L'ARMER WANTED.—A faithful and skillful farmer is I wanted to take charge of a farm. His wife to understand making butter and the care of poultry.

Address Box No. 3.

Providence Post Office, 3w6.

February 16, 1867.

BARRETT'S EXTRA EARLY CABBAGE,—The best and largest in the market. Price, 25 cents a paper. Raised and sold by W. E. BARRETT & CO. tf.7

W. E. BARRETT & CO., Manufacturers of Mead's Patent W. Conical Plows, Shares' Patent Horse Hoes, Chase's Two Horse Potato Diggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators. Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Sbovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARKETT & CO., 32 Canal Street, Providence, R. I

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agents. W. E. BARKLETE & CO., 32 Canal Street, Providence, R. I.

## Massachusetts.

RARE AND BEAUTIFUL FLOWERS.

SELECT VEGETABLES. B. K. BLISS,

Importer and Dealer in Garden, Fleld and Flower Seeds,

Would invite attention to his large and well selected assortment of the above, comprising the newest and most approved varieties, both of European and Home Productions, the quality

ILLUSTRATED SEED CATALOGUE AND GUIDE TO THE FLOWER AND KITCHEN GARDEN.

FLOWER AND KITCHEN GARDEN.

THE THIRTEENTH ANNUAL EDITION, enlarged and improved, contains 124 pages of closely printed matter, BEAUTIFULLY ILLUSTRATED with 100 engravings, also a splendid frontisplece of a group of recent novelties—and a descriptive list of Two Thousand Variettes of Garben and Plower Seeds, embracing all the New Yarksties worthy of cultivation introduced the past season—with explicit directions for their culture—also a list of ONE HUNDERD AND TWENTY-FIVE VARIETIES OF FRENCH HYBEID GLADIOLIFS, including the leading novelties of the past season, with many other SUMMER FLOWERING BULBS—consisting of AMARYLIA, TEBERSES, TIGRIDIAS—LILIES in great variety, etc. To which is added a list of the choicest varieties of Gearden Strawber-Ries, Raspberries, and other SMALL IRUITS, BEDDING PLANTS, etc., etc. cultivated at bis gardens with much other useful information upon the subject of gardening generally, which will be found useful to all engaged in the delightin occupation of gardening. A copy of the Catalogne will be mailed to all applicants enclosing Twenty-five Cenns. Our regular customers supplied without charge. Address

B. K. BLISS, Drawer No. 11, P. O., Springfield, Mass.

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Drawer No. 11, P. O., Springfield, Mass.
4w-ee-7

TRIPED LEAVED JAPANESE MAIZE

The experience of the past season fully confirms all that we stated in reference to this beautiful plant, when introducing it on the public last spring; and we are in receipt of many flattering letters from the leading Florists in Europe, all of whom agree that it is the finest plant for decorative purposes but baseen introduced for many years. Certificates of Nerit and numerons Prizes bave been awarded to Exbibitors at the various english and Continental exhibitions, not the least of which was that of the "Royal Horticultural Soc etr's International Show."

Correspondents.

"Cosmos." Agriculturs! Editor of the Saturday Evening
Post, writes us that it is superior to any other for table use, as
green corn.
Packets containing about 40 seeds, 25 cents.
Prices to the Trade, in bulk or in packets, will be given upor B. K. BLISS, Springfield, Mass. 4t-ee-7 Γebruary 23, 1867.

## Pennsylvania.

MENDENHALL'S IMPROVED SELF-ACTING HAND LOOM.

In these days of SHODDY, and bigh priced goods, every family in the country should have one.

HALF THE COST

of clotbing a family can be saved by its use. It is simple and durable, easily understood, and easy to operate. No skill is required to weave with it beyond the simple turning of an easy crank.

The From 15 to 35 YARDS CAN BE WOVEN ON IT IN A

FARMERS!

don't sell your wool and buy SHODDY, when with one of these Looms in your house the GHLES can make all the clothing for the family, and mucb better quality, at half price.

By late improvements, RAG CARPETS can be woven with the FLY SHUTTLE.

LOW CIVILLES NICE LIST and samples of cloth woven on the

FLY SHOTTLE.

For circulars, price list, and samples of clotb woven on the Loom, address with stamp,

A. B. GATES & CO.,

333 Chestnut St., Philadelphla.

355 Cbestnit St., Pbiladelphia. Also, Dealers in Cotton Warp, Wool and Flax Filling Yarns, deeds, Harness and Loom fiudings generally. March 2, 1867. p&w-tf



THE FARM AND FIRESIDE 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 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 offensive 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 advance. Single copy 5 cents.

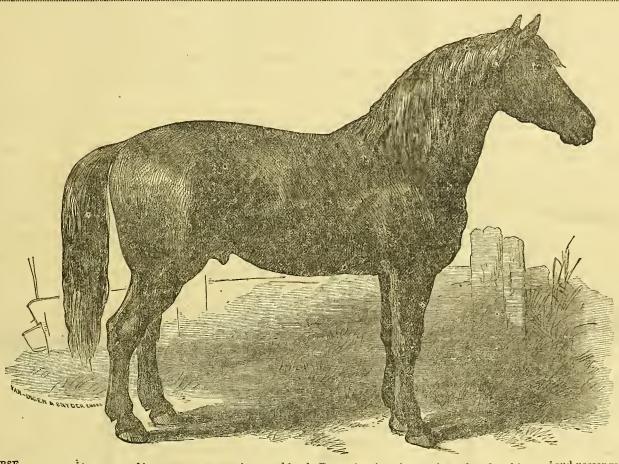


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S. S. FOSS, PUBLISHER, MAIN STREET. TWO DOLLARS PER ANNUM, IN ADVANCE. SINGLE COPY, FIVE CENTS.

WOONSOCKET, R. I., SATURDAY, MARCH 16, 1867. VOL. 1.

NO. 10.



### THE CONESTOGA HORSE.

WE present above as perfect a picture as ean he made of as good a specimen of this famons Pennsylvania Horse as the country affords. He is a noble animal, and handsome, too-not symmetrically beautiful, certainly, as making utility the standard of good looks, the presenting his servicable points so elearly.our next best friend in the animal family, will 8e, Rio coffee. be able at a glanee to prononnee upon the good qualities of such an animal as our engraving presents. Evidence of endurance, doeility, great strength and intelligence, are patent in every prominent feature; showing the and uusnrpassed as a draught or farm horse.

We have beard those who a particular breed or strain, having a genealogthrough a long line of anecstors from a famous

just as good horses as were ever born and bred Pennsylvania, a better class of road and heavy and passenger coaches to traverse the country in Laneaster county, Pennsylvania.

The original animals of this name had many makers, and were improved through many equine generations before they eame to be known as Conestogas; which, after all, is only a turf animal, or member of a fancy stud. But colloquial provincialism, attached to the animals from a partienlar territory; much in the "Conestoga" is unquestionably a very fine manner that all flour coming into Baltimore, looking animal. The artists-hotb designer and passing inspection in Howard Street, beand engraver—have been unusually happy in comes arbitrarily "Howard Street Flour;" or the eoffee sent from six Brazilian provinces to Any one having a respectable knowledge of be shipped from Rio de Janeiro, becomes, per

The early inhabitants of that region of Pennsylvania lying along the Conestoga river, now within the limits of Laneaster county, having long distances, over rough, rugged roads, to go to mill and market, found that horses someanimal to be very nearly perfect as a roadster, thing considerably better than the mediocre tained from the older settlements in Delaware, glibly enough, and who professed to know all were becoming, and unquestionably going to "Conestogans," as the first settlers of that seeical tree, and ancestral line, as the Eclipse, tion of Pennsylvania were called, being enter-Duroe, Black Hawk animals; and perhaps prising, and intelligent beyond their surroundthree-fourths of those who actually own, and ing neighbors—a characteristic, hy-the-by, that bave been familiar with Conestoga borses all holds good in their descendants—set about their lives, believe that they are descended with such means as they had at command, to veloped, and intercourse between the then disacbieve the animal their wants demanded. As sire who bore the name of Conestoga. This they had no blooded thorough breds or eciepopular opinion is an error-of no very grave brated English sires, and Flanders dams to reimportance, certainly, but one that it were as sort to, they substituted the best domestic ma- canvas covered wagon, looming up along the well, perbaps, to correct, in view of the fact terial they bad, with such success that in the that first class "Conestoga" borses can he at course of a few years there came into common called into requisition. So public spirit insections of the United States, at any time, and out a large portion of middle and eastern post routes, and private enterprise put on mail practical, intelligent farmers.

draught farm horses than could bave been ob- at the rate of eight miles an hour. tained from the best imported animals.

As, however, the aucestry of the improved Conestoga" was in nothing superior to the ordinary farm stock of Delaware, and the lower portions of Pennsylvania, other means than the intention, the object was attained, but at mere breeding from the best they had among them had to be resorted to, in order to bring up the equine standard to what they required. These were better bousing, feeding and care, and a more thorough system of training for the service required, than our early American farmers elsewhere were in the hahit of practicing with their farm horses. So universal hecame the rule of comfort, cleanliness, kindness, warm stabling, and judicious and liheral feeding with the settlers among whom the Conestoga originated, that the man who failed to follow the prevailing fashiou, and in any Lreed of animals which they had originally ob- manner misused, or neglected his borses, inevitably lost easte in the community, and heto the present day.

> As time passed, the country became settled westward, its resources became rapidly detant points demanded that means of transit more expeditious than the primitive Pennsylvania four and six horse team, and heavy road like a first-class sloop of war, should be

"The Conestogas will never do for sueb speed as these mail routes require," said the Laneasterians, so they set about quickening their gait hy hreeding their marcs with lighter huilt, imported horses. Faster travellers being the expense of cudurance, strength and sometbiug of doeility.

In the rapid march of progress the iron borse superseded post coaches, and the aneient, lumbering six horse teams; so that the second revised edition of "Conestogas," went out of demand and gradually ont of existence; leaving of the earlier, and for all draught and farm purposes, the far hetter, elder race, fewer in number than the actual wants of the community required.

Although we frequently come upou genuine "Conestogas," in all sections of Penuylvania, oftenest east of the Allegbanies, and ten times eame a moral and social ont-law. Much of during a hnsy day we may come in contact of equine ethics and economy that need he continue for an indefinite period, an arbitrary this commendable spirit of kinduess to their with a noble horse, bearing all the better points known, speak of the "Concstoga" as heing of necessity of their section of country. So the cattle bas been a characteristic of a large class of a real Concstoga, dragging a heavily loadof Laneaster county farmers ever since, down ed dray through the streets of Philadelphia, New York or Boston; yet the race is gradually disappearing under the influence of a mania -it is little better-for lighter, livelier, higher priced faney balf and quarter breeds; well enough for show on fashionable drives, but ineapable of a titbe of the real service rendered by the fine, nohle Conestogas, which 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, any time manufactured in a great many other nse not only in Lancaster county, but through- augurated turnpikes; Government established the "Conestoga" is still a great favorite with



Never Idle.—The good farmer eannot be a loafer, and thrive. Pruning, draining, killing weeds, making walls, getting out muck, preparing the manure heap, cutting bushes and cleaning up around the walls; battening up the cracks of the old harn to keep the cattle and horses from freezing; giving the swine a warm pen; allowing no leaks, if a shingle can be found, and no broken panes for the ornamental work of old hats and rags, if a square of glass can be obtained, are a few of the fair weather jobs which claim his attention during the recess of the harvest seasons. The foul weather is a poorly as process, and their claims process, and their claims are nearly as process. er jobs are nearly as numerous, and their claims nearly as nrgent on the attention of every tidy, thriving farmer.





## Marticulture.

### RHODE ISLAND HORTICULTURAL SOCIETY.

THE Society met on Wednesday evening, 6th iust., at their room iu Providence, Vice President Patten iu the chair. The attendance

Mr. Thomas Hauny, gardener of ex-Governor Jas. Y. Smith, exhibited a splended azalia in pot aud bloom, and received a premium of \$2.

Mr. George Nichols placed upon the table a the hardy out-door shrubs, the flowers compact and double and as white as the virgin snow; it blooms as freely as the flowering almond, and is a great acquisition to hardy shrubs. The committee awarded it a premi-

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

Mr. Wm. Dexter, of Scituate, presented a dish of R. I. Baldwin apples.

Rev. Sidney Dean presented to the Society's Library, "Henderson's Gardening for Profit," and upon motiou a vote of thanks was given

Mr. S. F. Peckham distributed among the members a package of California cucumber

Dr. J. B. Chapin, for the committee on nominations, presented a list of names for the executive, plants and flowers, fruit, and vegetable committees, and upon motion the report was accepted and the committees elected.

The following gentleman were admitted to membership:

Charles P. Hartsborn, William H. Wood, William Hoffman Willie A. Arnold, W. C. Simmons, Jr., David Lester, Charle McCoy, J. W. Lewis, C. N. Harrington, Henry C. DeWitt, Edwin Turner, Walter S. Burges, George L. Nason, Job Dawiey, L. H. Eddy, William Mansir, Horace C. Burgess, William O Rourke, Gorbam Thurber, Amos D. Smitb, 3d, John Metcalf Robert R. Knowles, William M. Rodman, Daniel A. Taylor, Augustus H. Preston, George M. Carpenter, Benjamin F. Tburston, S. P. Wordwell, William T. Bullock, William J. Clark, John W. Nichols, Walter Wilson, John P. Barney, Amos L. Greene, J. S. Simmons, Walter S. Brownell, James R. Gram-

Mr. C. V. Kennon, moved that a committee of five he appointed to report at the next meeting, upon the subject of huilding a Hortienltural Hall, and supported the resolution with much clearness, upon the manner and mode and necessity of providing for the society a building that will be eminently worthy of Flora and Pomena.

that usnally beset Horticultural 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 tribute to Flora; the Boston horticulturists had also built up a worthy monument, the seal of devotion to horticultural interest, and he hoped the good work

Messrs. Braytou, Patten and others participated in the discussion, and the following committee was appointed, with instructions to report at the next meeting: Messrs. Jas. Y. Smith, Royal C. Taft, Dr. J. B. Chapin, Clifton A. Hall and W. S. Patten.

Upon motion of Mr. D. F. Lymon, it was voted that the society hold an exhibition in June next, and the following appropriations were made:

For Plants and Flowers,	\$150		
For Fruit,	75		
For Vegetables,	25		

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

Mr. Brayton moved that the committee on revising the bye-laws, report at the next meeting. Adopted.

to discontinue and pay all publications sub-

Adjourned.

### HILL CULTURE OF STRAWBERRIES.

A QUAINT old friend used to remark to us that

the best way to do a thing was good as any. We have long been satisfied that this would apply to strawberry raising, and that what is termed hill eultivation, in connection with keeping the runners closely cut off, is the most profitable, even for extended market culture. The crop is so much larger and the berries so much finer, that they more than repay the additional labor. Among the largest and most enterprising marketers in the country, is A. M. Purdy, of South Beud, Ind. He says: "We have pruuis seuensis abla, in bloom; this is oue of heretofore strongly advocated the matted row system, but after careful and practical comparisons, we are satisfied that the hill method is the best, one year after another. The fruit average double the size—the crop double, and, on most soils, with less labor. In hills they form such strong, hushy tops that the fruit and hlossom are protected from severe late spring frests. Last spring we had a late frost in May, that nearly ruiued our plantations that grew in matted rows, while those grown in hills were bnt slightly damaged, and yielded a very heavy crop. Another reason is, that the heavy tops mat down around the crown in the winter, and protect it from the action of the frost, while those grown in the matted row form but small tops and are not thus protected. Again, if the ground should be weedy, they are attended to ers. with much less work and care than if allowed to throw out runuers. The work can nearly all be done with the hoe and cultivator, while if in matted rows, it has to be done with the flugers, which is very laborious iudeed." He adds that the only case in which the matted row method is admissable, is where the land is quite free from weeds and is not liable to severe frost in winter or spring, and while all varieties will do better when in hills, some will not suceeed iu any other way. As soon as the hilis are through bearing, rotted manure or compost is plowed or spaded deep between the rows, and in addition to cutting off all the runners that are starting, the entire top of the plant is taken off close to the crown. This is deemed very essential—preventing the plant from remaining in a dormant state for weeks, and causing new 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 training the runners along the row so that they ultimately form a thick mass in a strip about a foot or a foot and a half wide. Rotted manure is scattered among them before freezing, and they are worked and Mr. J. E. Lester referred to the difficulties enlitivated with the fork in spring. After fruiting, these rows are again dressed down to ahont six inches in width, and treated as before for another year's bearing; or else they are allowed to fill with new plants the spaces between the rows, after which the old rows are plowed or shaded in-snecession of new plants being tlms obtained without the labor of setting out by

> When the plants are placed in hills at equal distances 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 of which a ready and practiced man will go over from one to two acres a day. This mode may be applied to rows which are cultivated only one way.

### THE UTILITY OF FLOWERS.

"Not useless are ye, flowers; though made for pleasure, Blooming o'er fields, and wave by day and night, From every source your sanction bids me treasure Harmless delight."--HORAGE SMITH.

THERE is a class of men who would pare down everything to the mere grade of utility, who think it the height of wisdom to ask, when one manifests an enthusiasm in the culture of we have no sympathy. We will not say with the late Henry Coleman, in case such an interrogatory being put to us, that "our first impulse The Treasurer, Mr. Godding, was instructed is to look under his hat, and see the length of his ears," but we are always inclined in such cases scribed for by the Society except the Farm and to thank God that our tastes do not correspond with theirs. "Better" (say these ultra utilitarians) "devote our time to the culture of the State Agricultural College.

things useful and needed to sustain life, than to 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 the 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 come through the eye? Where more luminously displayed the perfections of the Creator, than in the star spangled heavens above, and the flower spangled earth beneath?

"Your voiceless lips, oh flowers, are living preachers. Each cup a pulpit, and each leaf a book, Supplying to my fancy numerous teachers From the Ioneliest nook."

Nonsense, -sheer nonsense to tell us it is useless to cultivate flowers. They add to the charms of our homes, reudering them more attractive and beautiful, and they multiply and strengthen the domestie ties which binds us to them. We would not advocate the cultivation of flowers to the neglect of more necessary objects. Attending to the one, does not involve neglect of the other. Every man engaged in the culture of the carth, ean find time to embellish 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 lose the choicest mementoes left us that it was once a paradise."—Breck's New Book of Flow-

#### TRANSPLANTING IN THE NIGHT.

A FRIEND, in whose powers of ohservation we have eonfideuce, and who is an exact experimeuter, informs us that last Spring and Summer he made the following experiments: He transplanted ten cherry trees while iu blossom, commeucing at 4 o'eloek in the afternoou, and transplanting oue each hour, until one in the morning. Those transplanted during daylight shed their blossoms, producing little or no fruit, while those plauted during the darker portions maiutained their condition fully. He did the same with ten dwarf pear trees, after the fruit was one-third growu. Those trans planted during the day, shed their fruit; those transplanted during the night, perfected their erop, and showed no injury from having been removed. With each of these trees he reaware that when plauts are accidentally frozen in green houses, it is eustomary to render the house dark before applying cold water to thaw them, and that when this is not observed, they are injured, while if entire darkness be seenred during the operation, many of them are saved. hut little analogy to this fact, and it is entirely new to us .- Working Farmer.

PRUNING PEAR TREES.—In pruning very yonng pear trees, the object should be to encourage the growth of wood, in proper directions. The form in which the tree is to be trained is to be first decided upon. For walls and espaliers the horizontal disposition of the branches is the best; therefore, if the tree be a maiden plant, it must be headed back to the three buds best situated for producing a horizontal branch on each side, whilst the third, or uppermost, is turned upright. If the tree is a year older, and has been treated as above in the former season, the upright has to be cut one foot, or four courses of bricks higher than it was formerly. Sometimes a little deviation ter; take a shaving, or other soft brash, and will be found necessary on account of the make a lather of soap and water, with which buds; but generally the upright should be ent mix a small quantity of powdered charcoal; ruh immediately above that bud which is nearest this well in the fetlock, and let it dry, after the line of brick work along which it is desirable the horizontals should be trained. The plications are generally successful. The colbuds to produce the latter will of conrse be situated below that line; it is proper they should be so, in order that the shoots may grow diverging newards a little way before they take a strictly horizontal direction. These directions with regard to the management of the flowers, "of what use are they?" With such inpright leading shoot are applicable every year his heels, the pain he will feel in the calves of until it be finally stopped on reaching the top them about one-third.

The Michigan Senate has passed abill appro-

## The Morse.

DANGER OF A FAST HORSE.—THE Rural New Yorker states the following case, to euforce some sensible advice to farmers, suggested, we presume, by the "display of horses" which is fast becoming the most attractive feature of our agricultural shows:

A well-to-do-farmer of our acquaintance had the misfortune to rear a really fine, fast horse. The action of the animal gave him great delight, and nothing would do but an exhibition of him amoug the professionals. He put np his money and won. This gave a higher flight to his ambition, and induced a bolder operation. Success again rewarded his venture. He neglected his farm, imperceptibly acquired habits to which he had before heen a stranger, and spurred on by past success and the machinations 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 the result of a race iu which his pet horse was to contend for the prize and the mastery. The professionals had now got the over confident farmer in the precise position desired, and the result was what they intended it should be, the defeat of the farmer's horse and the ruin of his owuer. The animal changed hands aud so did the farm. It was all down-hill with the farmer after this. His family was broken up and dispersed, while he, reckless and maddened by disappointment and remorse, found 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. Another elass of cases occurs in horses of a lymphatic temperament, and the exciting eauses are high feeding and waut of exercise. The horse's leg becomes swollen, hot and painful, and the horse goes lame on the affected limb. The proper treatment for such eases is low diet and laxative medicine. In severe eases I have sometimes searified the affected leg, but this is only advisable in the early aud acute stage of the attack. Half an ounce of uitrate of potash may moved some earth with the roots. We are well he given once a fortnight to horses that are subject to swelled legs, and where it recurs frequently, once a week. The swollen leg sometimes attains enormous dimensions, and the swelling may become permanent. I have seen a horse's lcg swollen nearly as thick as a man's body, and in one case which I examined after But the experiment of our friend seems to have death from a different malady, I found that the swelling 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

"This disease, called also cracked heels, generally arises from neglect, such as allowing the confined to the hind feet, and consists in a swelling of the skin, causing in it one or more transverse cracks, which discharge a sanious (thin serous and reddish) matter at times; while in other cases the parts are almost dry, but

For treatment, wash well with soap and wawhich it can be rubbed off. Two or three aplodion and eastor oil will also answer a good pnrpose; a physic ball should first be given.

BACKING IN THE STABLES.—A celebrated veterinarian says that if a person will stand for a few moments with his toes higher than his legs will explain to him the reason why of the wall or espalier. If the horizontal horses that are tied in stalls, try to find their shoots be weak it will be advisable to shorten own level by standing across the stalls, or 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 priating \$20,000 for a building to be used by in order to find the ascent on the other side of I the gntter,



Danger from Texas Cattle.—It seems that the danger arising from the introduction into northern herds of Texas cattle has been underrated rather than overrated. Experience in Missonri, Illinois and other States, place it beyond question that the Texas cattle bring with them a deadly and subtle poison which, while innocuous to them, is destructive to cattle raised in the States north of Texas. It has been ealled the Spanish fever. Although Texas cattle themselves show no
symptoms of the disease, they communicate it to others. It is supposed the excretions of the Texas cattle communicate to the grass of the pastures they are fed on a poisonous matter, which is fatal to the Northern cattle that feed after them.





## Pactic Gem.

"ONE BY ONE."

They are gathering homeward from every land, As their weary feet touch the shining strand, One by one: Their brows are encircled in a golden crown; Their travel-stained garments are all laid down, And clothed in white raiment they rest on the mead. Where the Lamb loveth his children to lead, One hy one.

Before they rest they pass through the strife, One by one; Through the waters of death they enter life, One by one To some are the floods of the river still As they ford on their way to the heavenly bill; To others the waves run fiercely wild, Yet all reach the home of the undefiled, One by one.

We, too, shall come to that river side, We are nearer its waters each eventide. We can hear the noise and dash of the stream, Now and again through our life's deep dream; Sometimes the floods all its banks o'erflow, Sometimes in ripples the small waves go, One by one.

Jesus, Redeemer, we look to Thee, We lift up our voices tremblingly, The waves of the river are dark and cold, We know not the spot where our feet may hold. Thou who didst pass through in deep midt Strengthen us, send us Thy staff and Thy light,

Plant Thou Thy feet heside as we tread, One by one: On Thee let us lean each drooping head, One hy one; Let but Thy strong arm around us be twined. Saviour, Redeemer, he Thou in full view, Smllingly, gladsomely, shall we pass through,

## Fireside Miscellany.

HOP CULTURE.

THE ground intended for the bop yard should be well mannred, then plonghed in April, dragged and marked four feet each way; then with a hoe on every other 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 row entire, can 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 off 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 rnnners the first spring, but a plenty afterwards.

After the runners are removed, the 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 running from one pole to the other, and to make the tops of the poles in the yard an equal distance from each other. The next thing is to plough, commencing in the centre between the rows, and turning the furrows from the bill until you get near enough to each 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 stretch and not damage the vine as it grows. The bops are generally ready to pick the last of being asked what were, according to his opin-August or first of September. From ten to ion, the two most beautiful things of the unififteen bundred pounds is the yield per aere.

THE AMERICAN WATCH COMPANY at Waltham, Mass., makes two hundred and fifty watches a day, and employs seven hundred persons, of whom one-third are women.

Christianity was born in the beaven of ial emphasis of compassion to the lowliest of

### DESCRIPTION OF GOOD AND BAD MEATS.

Every housekeeper or buyer should be familar with Dr. Letheby's description of good and bad meats, as follows: Good meat is neither of a pale pinkish nor a deep purple tint. It has a marbled appearance, from the ramification of little veins of intercellular lat, and the fat of the internal organs especially is firm, hard and sucty, and is never wet, whereas that of diseased meat is soft and watery. The feel of healthy meat is somewhat elastic, and hardly moistens the finger. Diseased meat is soft and wet. Good meat has but little odor, and this is not disagreeable; whereas diseased meat smells faint and cadaverous. Good meat bears cooking without much shrinking or losing much of its weight; but bad meat shrivels up and boils to pieces; this is due to the larger proportion of watery and gelatinous material, and the absence of fat and true muscular substance in the meat. Under the microscope the fibre should be clear and well defined, and free from infusorial animalculæ; whilst that of diseased meat is sodden and tumid, as if it had been soaked in water, the transverse streaks are indistinct and wide apart, and animalculæ abound in it. Dr. Letheby's official station requires him to prevent the sale and consumption of unwholesome meat in the city of London. Were it not that facility is offered by the salesmen for the detection of fraud, his subordinates would be very much crippled in their operations, and it is gratifying to be able to acknowledge this fact. To supply more than three millions of people, about six hundred tons of meat are brought to market daily, and nearly six hundred tons of meat unfit for consnmption bave been condemned and destroyed during the past six years. Much of this would have certainly produced serious disease in the eommunity. Allowing six ounces a day to each person, it represents nearly, 600,000 meals, and at a reduced 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 one

ANTIDOTE FOR POISON.—A plain farmer says -"It is now more than twenty years since I learned that sweet oil would cure the bite of a rattlesnake, not knowing it would care other kinds 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 wound for a enre. To cure a horse it requires eight 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 summer, where the case bad been thirty days standing, and the patient bad been given up by the physicians, I heard of it, carried the oil and gave him one spoonful, which effected a cure. It is an antidote for arsenic and stryelnine. It will enre bloat in cattle by eating too freely of fresh clover; it will enre the sting of bees, spiders or other insects, and will care persons who bave been poisoued by a low running vine, growing in the meadows, called ivy."

Self Education.—Costly apparatus and splendid cabinets have no magical power to aged 90, in comparison with men aged 30, suffmake scholars. In all circumstances, as a man is, under God, the master of bis own fortune, so the general result of five weeks' observation it is he the maker of bis own mind. The Crea- is stated that the "danger after 30 of dying of tor has constituted the buman intellect that it cold is doubled every nine years of age;" that on de Bible, and let de Lord take care of dat ean grow only by its own action. Every man must therefore, in an important sense, edneate death by cold at 30 there were two at 36, four himself. His books and teachers are but at 48, eight at 57, and so on. helps; the work is his.

A BEAUTIFUL IDEA.—An Indian philosopher verse, answered, "The starry beavens above our beads, and the feeling of dnty in onr

PRESERVING MEAT. - A correspondent of the Maine Farmer says "many a honsewife may be glad to know, when she bas a pieee of fresh and eovering it with buttermilk. I have praetised the plan for years."

#### PETRIFECTION.

True petrifection is is a process of fossilization in which the original mold or cast of an organic fossil is filled up with a kind of matter differing from the original body. Deposits on the surface of objects are sometimes met with which are commonly ealled petrifections. A sample of this is the petrified moss at some of the mineral springs in western New York.— The earbonate of lime forms an incrustation around the plant. Another variety is silicious deposits on moss, ferns, and other objects found near the hot springs of Iceland. Partial fossilization sometimes occurs, as in the case of the common clam for instance, which is often found filled with mineral matter while the shell remains intact. A true petrifaction is where the inorganic structure of the whole animal or plant is replaced by mineral matter. Examples of this are petrified palm trees which are entirely changed in their composition, and yet retain all the fibers and cells in their original form and minuteness, so that, when viewed by the microscope, the species of the tree can be determined. Another common case in point is the echinus, in chalk formations; its shell has been changed to calcspar, while its interior has been filled with flint. The testaceous animal has the power of changing the crystals of carbonate of lime in the construction of its shell, but when life bas departed, the laws of crystallization resume their sway and the carbonate assumes its original rhomboidal form.

In the beautiful little shell, shaped like a ram's horn, called the ammonite, iron pyrites is sometimes found. It is supposed the sulpbur in the animal has united with iron and although the natural form of the bisulphide of iron is cubical, in this substitution process it is forced to take the rhomboidal shape. In fossilization or petrifaction the organic matter may be replaced by various minerals, such as gypsnm, oxide o iron, phosphate of iron, sulphate of baryta, sulphate of strontia, silicate of copper, carbonate of lead, and fluor spar.

How Cold Affects Us.—An English journal cites the British Registrar General as authority for the statement that the recent sudden changes in temperature in London killed four hundred and fifty-five persons in one week. The mean temperature at Greenwich fell from 44 degrees in the week ending on the 29th of December last to 25.2 degrees in the first week of the present year, and the effect of the cold is shown in the succeeding week by an increase in the deaths from 1,437 to 1,891. The Registrar says: "Few were directly frozen to death, the majority having vital force enough to struggle against the freezing cold, but not enough to prevent them from succumbing under bionchitis and other affections." The returns show that the power of resisting cold is greatest at the age of full bodily development, and least when the tide of life is ebbing.

Dr. Farr, in discussing the effects of the cold weather of 1855 on the public bealth, came to the eonclusion that the power of cold varies according to definite laws. It was found by investigation that the mortality by cold is twice as great under the age of 20 as the mortality at 20-40, but after that turning point the power of resisting cold decreases every year, and men er from celd in the proportion of 100 to 1. As is to say, out of an equal population,

Bringe Crossing.—" As I was going over the bridge the otherday," said a native of Erin, "I met Pat Hewins. Hewins," says I, "how are you?" "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 aich other agin, an' snre enongb, it was nayther nf us."

Age for Breeding .- A correspondent of the Ohio Farmer thinks a sow should not be meat she wishes to keep a few days, that it allowed to breed until at least a year old. He truth and love; therefore it stoops with a spectar be successfully done by placing it in a dish thinks that until the boar and sow reach the fire after her husband's decease, sighed out: age of four or six years their progeny is better than from young logs.

#### THE LUCIFER MATCH.

About twenty years ago chemistry abolished the tinder box, and the burnt rag that made the tinder went to make paper. Slowly did the invention spread. The use of the match is now so established that machines are invented to prepare the splint. In New York one match manufactury annually cuts up a lerge raft of timber for matches. The English matches are generally square, and thus thirty thousand splints are cut in a minute. The American matches are round, and the process of shaping being more claborate, four thousand and five hundred splints are cut in a minute. We will follow a bundle of eighteen hundred of thin splints, each four inches long, through its conversion into three thousand six hundred matches.

Without being separated, each end of the bundle is first dipped into sulphur. When dry, the splints, adhering to each other by means of the sulpbur, must be parted by what is called dusting. A boy, sitting on the floor with a bundle before him, strikes the matches with a kind of mallet on the dipped ends till they become thoroughly loosened. They have now to be plunged into a preparation of phosphorus or chlorate of potash, according to the quality of the match. The phosphorus produces the pale, noiseless fire, the chlorate of potash the sharp, crackling illumination. After this application of the more inflammable substance, the matches are separated, and dried in racks. Thoroughly dried, they are gathered up again into bundles of the same quantity, and are taken to the boys who ent them, for the reader will bave observed that the bundles have been dipped at each end,— There are few things more remarkable in manufactures than the extraordinary rapidity of this cutting process and that which is connected with it. The boy stands before a bench, the bundle in bis right band, a pile of empty boxes on his left. The matches are to be cut, and the empty boxes filled by this boy. A bundle is opened; he siezes a portion, knowing by long habit the required number with sufficient exactness; pnts them rapidly into a sort of frame, knocks the ends evenly together, confines them with a strap which be tightens with his foot, and cuts them in two parts with a knife on a binge, which be brings down with a strong leverage. The halves lie projecting over each end of the frame; he grasps the left portion and thrusts it into a half open box, which slides into an outer case, and he repeats the process with the matches in his right hand. This series of movements is performed with a rapidity almost unexampled; for in this way two hundred thousand matches are eut and two thousand boxes filled in a day

At one of the churches for colored people in Memphis, recently, the minister, having finished the sermon, announced that a collection would be taken up for missionary purposes. The "sasser" was accordingly sent around. When it came back to the pulpit, the preacher proceeded to count the amount, and among the fractional currency, he discovered a ten dollar Confederate bill. He looked at it for some time with evident disgnst, and then took a calm look at his congregation over the top of his spectacles. Then clapping the uncurrent bill upon the Bible, with indignant emphasis he exclaimed, "Brederin, I put dis bill right dar

Selling Grain by Weight.—A new practice in the way of dealing in grain, went into effect on the 1st of March, by an arrangement among all the leading grain dealers throughout the country. This is called the cental system, by which all quantities are reekoned by the 100 lbs. In determining the average of wbeat a bushel is equal to nuder this system, the estimates are made on the following basis:

Pernaps our readers have not beard of the widow who, sitting meditatively by a cheerful "Poor fellow, how be did like a good fire! I hope he bas gone where they keep good fires!"



Success in Stock-Breeding.—Who are the most successful men in breeding stock of any kina? They are those who, in the first place, purchase the best of the kind, of either cattle, borses, sheep, swine, or fowl, that ean he obtained. In the next place, they give them the best shelter, food and care, that can be given; and these men are always successful, and make it a profitable business. And just in proportion as you vary from these essential points, will it be a profit or a loss in keeping any kind of stock. The one that makes a profit is the one who gives the best care and attention to his stock. The one who finds it an expense is the one who lets them care for themselves.





## The Field.

### WHAT CROPS SHALL WE RAISE?

Written for the Farm and Fireside, BY ALEXANDER HYDE, LEE, MASS.

WE are creatures of habit, and are inclined to keep on doing what we and our fathers have heen accustomed to do. This instiuct of our nature is not an unsafe one to follow if not for the sake of change, and by no meaus should jump to the conclusion that every change is an not excel," was a terrible curse pronounced by Jacob on one of his sons. Still, there is such a thing as getting into the ruts; and farmers, from their isolated condition, are peculiarly liable to this. They do not mingle with their fellow men as do merchants and manufacturers; and their opinions and practices are, therefore, less the result of combined wisdom, than is the ease with those more intimately associated. True, farmers read, and we do not donbt their general intelligence, and we rely on them as the foundation of society. Their sober second thoughts give stability to government. They are the wheel horses which hold the coach back when going too fast, and guide it at all times. But this very conservatism, arising from their position, prevents them from making some changes which would be improvements. We desire to eall attention to the vast change which the Eastern States have undergone and arc rapidly undergoing, by the increase of manufactures in our midst, and the opening of new fields of agriculture in the West and Sontb, which are no sooner opened than the iron horse brings their products to onr markets. We well remember when a venerable Judge who had made a competency, eonsidered at that time a fortune, by speeulating in Genessee lands, said to one of his cotemporaries:-"The young men of the next generation will have no such opportunity to buy up Western lands as we have had." "The raised with less labor, and perhaps more profit. West," in his mind, was all located in central and in western New York. What would he think now to rise from his grave and take the ears and travel fifteen hundred miles west, in less time and with less discomfort than he formerly expended in reaching Rochester, and right seed, and few if any products are more find himself only in the centre of the country, with Leavenworth, Ateliison and Omaha City, rivals for the site of the future Capital of the United States? The West has expanded a little in the last half centnry; and New Eugland, though constantly increasing iu population, intelligence and wealth, has territorially dwindled, compared with the whole country. This vast western and north-western territory is a rich agricultural district. The land is level, inviting the plow, and returning large produets. The streams are comparatively few and sluggish, giving few facilities for mannfactures. New England, then, with her abundant water power, seems manifestly destined for machinery, and the West for agriculture. We eannot compete with the prairies in producing the eereal, and the product of the cereal, beef and pork. These are easily and cheaply transported, and it is folly for us to nudertake to raise eorn or heef extensively; not that we would give up these products altogether. There is great pleasure in raising our own hog and hominy. No hasty pudding made from Western eorn ever tasted quite so well as that made from the small, flinty, yellow kernels of the home farm, and we are certain no Western pork is comparable with the sweet, hard pork, with just a tinge of piuk, that we fatten and for sixty-five years, and having tried various put up for ourselves; but to make these, as our methods and experiments, and made progress, fathers did, the staple products of the farm, I will state what I have found to he the most those which we rely npon for sale and con-productive and remnnerative conrse, viz: version into money, seems behind the times. There are other products which the changed condition of our markets renders more profitable. Hay is an article which is too balky for should he given to its production. Grass is row it in immediately before planting. the natural growth of most New England lands. It springs up indigenously, wherever it apart and in hills two feet apart. finds a vacancy. Our fathers sowed little grass

quires comparatively little labor. Our moist climate favors its growth, and the quality and quantity of onr hay erop, with a little care, ean be doubled and even quadrupled, aud the demand for a number of years has been greater than the supply, at highly remunerative prices. We know we have received the maxim from our fathers, "never sell hay; feed it ont upon the farm." This was a good precept in its day, and is good now for farmers distant from market, with few facilities for getting earried too far. We are no advocates of change manure, with which to keep up their farms; hut with manufacturing villages springing up everywhere, and hay at \$30 to \$40 per ton, improvement. "Unstable as water, thon shalt and privy mauure to be had in abuudance for the mere hauling, and the refuse of our woolen and other factories thrown into the rivers for the want of a consumer, the precept of our fathers, not to sell hay, needs to be reconsidered. With a top dressing yearly, and carly mowing, not allowing the grass to go to seeda very exhaustive process—our meadows will start a fortnight earlier in the Spring, and be mown twice in a year, and improve rather than deteriorate, under this heavy cropping.

> But we did not intend this to be a treatise on the mode of raising hay. We may refer to it again at some future time. We only suggest it now as one of the crops for which the altered times make an increasing demand. We have space only to suggest one other crop, viz. roots. The average erop of wheat in N. E. is liberally estimated at fifteen bushels; rye and buckwheat the same; oats at forty bushels; corn at fifty; potatoes at one hundred; turnips at four hundred; beets at five hundred; and carrots at six hundred. Now, we know that roots cannot be raised without much labor, and that, too, of the back-aching kind, and we would not recommend the farmer of fifty summers to commence raising carrots unless he has young and supple backs at his service to do the weeding; but who can doubt that a erop of fifteen tons of carrots, at \$20 per ton, will pay for all additional labor and leave a margin for profit? Sugar beets and mangel wurzels are Potatoes are, however, the erop which we partieularly wish to recommend among the roots. A prejudice has arisen against this root of late years from its tendency to rot, and consequent uncertainty; but select the right soil and the certain or more remunerative. Dry land, abounding in saline elements, such as ashes most eheaply furnish, seems best adapted to this esculent; and some of the new seedlings, such as the Garnet Chili, and Early Goodrieb, derived from the seed of thbers freshly imported from Cuili, the native home of the potato, are almost, if not altogether, exempt from disease. These varieties will bear mannring, and the average crop can just as well be 200 as 100 bushels. The potato is more easily grown and harvested than eorn; is more nntritious than other roots, and the market is always certain and remuierative, and we confidently commend this erop to inereased attention.

Some may be astonished that we do not include tobacco among the erops which the altered times demand, hut we eschew the weed totally. It is a great exhauster of the land, requires much labor, is exposed to great perils in its production, and when produced, does more harm than good. March, 1867.

## POTATOES.

early or in the first part of October.

sooner if the weather is warm, or later if not long transportation, and increased attention dry; to spread mannre on the surface and har-

3d. To plant in rows three feet and a half

4th. To make but shallow holes for the hills; seed, relying mainly and sometimes solely np- put but two pieces of a medium sized potato in the eorn erop does not seem to have the effect will make a dough of a middling stiffness. on the seed that had fallen from previous crops a hill with a small lump of lime, sufficient to for restocking the land. The hay erop re- make a spoonful when air slacked.

5th. To hoe the ground well the last of June and throw a spoonful of plaster or a handful of ashes, or a mixture of each. Nothing more will be needed, ordinarily, till harvest time.

By pursuing the above course, I have always had a good yield, and my potatoes for ten years past, have been of a superior quality, the net proceeds fifty per eent. more than formerly by spring plonghing. My man put more lime in the bills last spring than I had before used, and the potatoes are better than I ever saw before, very smooth, of the Orono kind, not a scar or mark upon them, and of a large size.

It is true that I am but a small farmer, or, in faet, not a farmer, being past labor; but I was bred up a farmer and when young eleared np a farm of fifty acres, and managed it with good success: raised two hundred hushels of eorn, wheat and rye in 1801 with my own labor or by exchanging. — William Allen, Norridgewock, in Maine Farmer.

### CULTIVATION OF OATS.

The frequent failures of the wheat and eorn erops should determine farmers to pay more than ordinary attention to the cultivation of oats. The grain heing rich in oily matter, and flesh-forming compounds, is excellent food for horses, eattle, sheep, swine, and poultry, and is very good fodder. Experiments made in Scotland, have proved that out-straw is fully eondition, cattle iu comfortable sheds, can be tensively.

In the United States, oats are used solely for feeding animals, and for this purpose they are equal to any other grain, combining a very large amount of useful qualities. For horses doing hard work, or where great speed is required, for fattening eattle and hogs. The value of the as food. Late oats seldom come to perfection, as the progress of vegetation is arrested by draught, in some elimates, and by frost in others, before the grain has filled, and a light, eliaffy sample is the product, which on being ground, yields but a small quanity of meal.

In Irelaud, Scotland, and some other Enropean countries, oatmeal constitutes the food of the majority of the laboring classes, and those who live on it are able to undergo great exertion, and hear up against great exposure and hardships. Owing to the small amount of gluten in oatmeal, yeast bread cannot he made with it, and on this account it is eaten boiled or made into thin eakes.

In the United States the crop does not exceed 30 bushels per aere, except in favorable seasons and suitable soils, but 90 bushels have been raised, in some instances, and prize crops of four to eight bushels of common salt per acre, spread immediately before the seed is sown, aud lightly harrowed in, has been found very useful for increasing the yield of oats.

United States in 1840 was 123,071,341 bushels, in 1850, 146,678,879 hushels, and in 1860, 172,ing to the last eensns, New York was the greatest oat growing State, producing 35,175,-134 bushels. Pennsylvania was next, producing 27,387,147. Ohio 3d, 15,409,234. Illinois 1st. To break up sward ground in the fall, 4th, 15,220,029. Wiseonsin 5th, 11,059,270. Virginia 6th, 10,186,720. Iowa 7th, 5,887,-2d. To plant about the twentieth of May or 645. Indiana 8th, 5,317,831. Kentucky 9th, 4,617,029. New Jersey 10tb, 4,539,132. Miehigan 11th, 4.036,980. Maryland 12th, 3,959,298. It is a remarkable fact that according as the enltivation of eorn increases in the Eastern States, the production of oats declines. In to a pound of flour; mix one egg beaten, a litthe middle and Western States the increase of the yeast that is not bitter, and as much milk as of retarding the production of oats; there appears to be room for hoth.

Sowing Plaster Early.—A correspondent of the Rural New Yorker says that for several years past he has been in the practice of sowing plaster on clover in March-in some eases where the snow was three or fonr inches deep. The results have been more beneficial than when sown in May or June. He has also found early-sown plaster to considerably increase the barley erop. As plaster is but sparingly soluble in water, and must be earried down into the soil in a state of solution in order to be used hy the plauts, it is obvious that the sowing should he early enough to effect this purpose. If sown late, and dry weather should follow, the plaster would not probably be of much use that year. These views are corroborated by the experience of a number of farmers. It should be borne in mind that plaster is not a universal fertilizer, there heing many soils where it has no beneficial cficet; therefore, the reader will note the necessity of experimenting on soils where plaster has been hitherto untried, before investing to any extent in it for such use.

CABBAGE AND CAULIFLOWER.—The eabhage requires a deep, rich, mellow soil, and thorough working. If these requirements are met, and good seed obtained, there is no difficulty in obtaining good solid heads. For early use, the plants should be started in a hot-bed or coldthe straw, when it has been properly harvested, frame, but seed for winter cabbage should be sown in a seed-bed, early in the spring. Some varieties seem to do best if the seed is sown in equal to hay for animals fattening on roots. If hills where they are to remain, and this is parnot too ripe when cut, and if saved in good ticularly the case with the Marblehead varieties. Sow two or three seeds where each plant is kept during Winterin improving condition up- desired, and then pull all but the strongest. on this straw alone. Farmers who winter a When a seed-bed is made in the open ground, large number of eattle, should grow oats ex- instead of selecting a warm situation, choose a cold, damp place, on the north side of a board fence, as here the black fly will not trouble the plants, and they will come early enough for winter cahhage or cauliflower, for we have often found the early varieties treated in this way to form fine flowers during the cold, oats are the hest food. They are also useful damp weather of autumn. Culiflower requires a very rich soil, and plenty of water, and the grain may be estimated by the weight of the earth should be drawn well towards the stems, kernel, the husk being comparatively useless especially late in the season, when the flower is about to form.

> Tobacco, -A proposition has been made to the tobacco growers in the Connecticut valley not to plant any the coming spring, in order that they should get a fair price for the crops of 1865 and 1866, now on hand, and that the erop of 1868 should go off freely, and at higher rates than prevail now.

## Mousehold Mints.

How to Make Corn Bread.—We find the ollowing recipes in the Prairie Farmer, for making corn bread, and they are reprinted in the hope that housekeepers will resort more liberally to this most wholesome of all grains for family consumption: "Scald the eorn 60 to 72 bushels are not uncommon. From meal in boiling hot water, just as much as will barely wet it, knead the dongh with swect, rich milk, and work it well and put it to bake in a hot oven or stove; it is important that the stove be hot, and the baking done quickly, or The total product of the oat erop of the the bread will have a dry and insipid taste.-The dough should be formed into what the old Virginians eall "Dodgers," 2½ inches long, 1½ HAVING raised potatoes sufficient for my 643,185 bushels. In the next eensus it will wide, 14 inches thick; or it is excellent haked own use and commonly some to sell every year probably reach 200,000,000 hushels. Accord- on a griddle in eakes three inches in diameter. The milk has the effect of browning the crust handsomely."

Another.—"Stir boiling water into sifted meal till every part is wet; add balf as much shorts, a eup of molasses, teaspoonful of salt and skim milk enough to mix; bake in cheap pans-in a hrick oven-and if it remains in all night, it is good enough to eat."

FRENOH ROLLS.-Rub an ounce of butter in-Beat it well, but do not knead; let it rise and hake on tins.



The Religion of Christ is distinguished from all others by its great f<sup>r</sup>nitfulness and joyfulness in private experience. There have heen other religions that had the power of stirring up zeal, intense activity, fanaticism, and of bringing men, by cities and nations, into campaigns of religious effectiveness, such as it was; but none other has been like the Christian in entering into the hearts of the poor, the desolate, the ignorant, the wieked, one by one, and separately, and stirring up there, not simply a new life of purity, hut such hopefulness, such joyfulness, as hrought all the powers into a very snmmer of growth and efficiency. All this has been peculiar to the Christian religion.





## Farm and Fireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MARCH 16, 1867.

AGEIOULTUER feeds us; to a great extent it clothes us; with-out it we could not have manufactures, and should not have com-merce. These all stand together like pillars in a cluster—the largest in the centre, and that largest is Agriculture.—DANIEL WEIGSTEE.

### CULTIVATION OF THE CRANBERRY.

WITHIN a few years, the cultivation of the eranberry has increased to a wonderful extent. We have no historical data, but we believe New 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 Cape 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 formation—and bis experiment only partially succeeded. The "old salt" knew little of goology; of how the earth was made; how glacial action had kicked and piled it about, but he kept on experimenting until he grew unusual erops of cranberries; and his neighbors, observing his success and thrift, improved on his method, and partially perfected the cultivation of the American cranberry.

To-day we know that the alluvial formation is the soil on which the eranberry does best. This formation includes some of the most barren and wet tracts of land in the country. It is saud, quartz-rock, finely ground, like pulverized and granulated sugar; in other instances it is the mud, or alluvium of brooks and rivers; agaiu, it is the debris of bogs and swamps, or the deltas of streams or ocean currents. These are all good soils for the eranberry; so are salt meadows, and even some uplands made by the drift of the ocean, centuries ago. All these deposits contain more or less fully compounded by the Great Architect.

On Cape Cod, people will tell you the very best soil for the eranberry is beach sand; in New Jersey they will say that an alluviat soil, with drift-sand underneath, is best; and in Michigan, on the Lake shores, they successfully grow the eranberry in black mud and peat. All such lands are natural to this vine; and in its cultivation, we should follow Nature. She never experiments, but sows her seeds and plants her roots always on the right soil and in the proper place. Some people, who have more money than experience, will have to "go to school" and learn vegetable physiology before they will become successful cultivators of the eramberry. 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 injurious and destructive to the fruit, are indispensable to suc-

We do not propose to write an essay on this important and rapidly increasing branch of inmore money in the business than incredulous mild and genial temperature, GO-AHEAD! people suppose. No field or farm crop will pay a tenth the profit that this fruit yields. And whether in New Eugland, in the Middle States, or in the West, it will pay to cultivate the cranberry. On most land, where it does best, the sufficiently dry, so that it can be ploughed and land is almost valueless for any other purpose. harrowed, oats should be got in. Early sown will be the same. On the Third class, three culture. By J. L. Campbell, A. M. Lindsay & Blackiston, on wools valued at twelve philadelphia. The science of agriculture is deputing in the same of the land is small; the expense of oats are always heavier; and when once in, eents per pound, on wools valued at twelve philadelphia. The science of agriculture is deputing in the same of the land is small; the expense of the land is small; the expense of the land is small; the expense of but the setting of the vines (no after cultivative in the last of the setting of the vines (no after cultivative in the setting of the vines (no after cultivative in the setting of the setti business the most lucrative in the country.-States—Cape Cod, New Jersey and the North West-where this business is successfully and lands, as early in April as possible. profitably followed; but our choice (soil, elimate and market consulted), is New Jersey. Large tracts are already in cultivation thereextending from the Delaware river to the seaand the time is not far distant when her eranberry erop will equal, if not surpass, any of her cereals.

to his neighbor, and solicit his subscription.

## PATRIOT FOR \$4.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we will send the FARM AND FIRESIDE and the WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is \$2.50. THE PATRIOT is an old established family newspaper, with the largest elreulation of any country journal in New S. S. FOSS, PUBLISHER. Woonsocket, R. 1.

#### MARCH.

This is a month of activity with farmers. The weather is unsettled, the air cold, the winds blustering and the Frost King holds sway in all Nortbern latitudes. Bryant never wrote more truthfully, or better, than when he said:

"The stormy March is come at last, With wind, and cloud, and changing skies; I hear the rushing of the blast, That through the snowy valley flies."

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 ready for nctive labor as the season advances. The great industrial battle of Spring will soon commence. The music of the blue-bird and robin (not war-like, but inspiriting,) is heard at early day dawn; the occasional warm sunshine starts the willows and osiers, and their infloresence greets the eye along the banks of rivers, brooks and road-sides. All this reminds us of the return of Spring, "for lo! the winter is past, the rain is over and gone; the flowers appear on the earth; the time of the singing of birds is come, and the voice of the turtle is heard in our land.'

All farmers and gardeners should see that their implements of labor are in good repair. It is poor economy to work with a worn-out plough, with a broken hoe or spade, or a rheumatic wagon or eart. Nor will it do to wait until the planting season arrives, before you go to the wagon builder or the blacksmith, for general repairs. Go now, without further delay. Also, see that gates, fences and stoneof decayed vegetable and animal matter; skill- walls are repaired; not forgetting your live stock, that need more care and attention in March than at any other period of the year.

> A few hours, each day, in the orchard, looking after the aphis, and other insects destructive to fruit, will pay. It is too early to plant out young trees, or to graft; but you ean prepare the land where trees are to be set; also seeure grafts, without another day's postponement. In the fruit garden, make ready for strawberry planting; examine your grape vines; also set out raspberries and blackberries as early as the soil will admit. All trees and shrubs, in the door-yard and on the lawn, sbould be trimmed up; and those shrubs intended for transplanting, should have immediate attention. Mauure from the barn-yard ean be hauled out, at once; deposited in heaps or spread on the surface, providing you can be beretofore usually imported late the United States from Buenos use the plough immediately after.

Our almanaes and farm ealendars inform us that Spring commences in March; but every intelligent farmer and gardener is guided by the weather, the state of the atmosphere, dustry, but refer to the subject as one worth rather than by bis almanac. If the season is tbe atteution of all persons owning lands natn-feeld and backward, have patience, wait a litral and suitable to the eranberry. There is the; and then, as the season advances, with

Sow YOUR OATS.—The importance of sowing oats early, is well nuderstood by all prothey are ont of the way of all other work .remarkably good. In the New England and read correctly) does not state that fact, We have visited many sections of the United Middle States, they can be got in from the last to the middle of March, on dry soils; on wet

> ELEPHANTINE OXEN.—A gentleman from Bristol, Vermont, informs us that he recently saw at that place a yoke of oxen, seven years old, which 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. make the pair weigh ten thousand pounds.

### NEW ENGLAND AGRICULTURAL SOCIETY.

The annual meeting of this Society was held in Boston on the 7th inst. The President, Dr. Loring, presided and unde a brief address, congratulating the Society on its past success and future prospects. The election of oflicers then took place, resulting as follows:

PRESIDENT.-George B. Loring, of Salem, Mass. SECRETARY, - Daniel Needham, of Boston.
Treasurer. - J. K. Gage, Fisherville, New Hampshire.

A Vice President and a board of five Trustees from each of the New England States were then chosen, viz.:

#### RHOUE ISLAND.

VIOE PRESIDENT-Amasa Sprague, Cranston. TRUSTEES-Edward D. Pearce, Providence; David Pike, River Point; A. B. Chadsey, Wickford; J. D. W. Perry, Bristol; Thomas B. Buffum, Newport.

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VICE PRESIDENT-E. II. Hyde, Stafford.

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VICE PRESIDENT-William Birnle, Springfield. TRUSTEES—S. II. Howe, Bolton; G. T. Plunkett, Hinsdale; evi Stockhridge, Amherst; Charles C Preston, Danvers; S. B. Phinucy, Barnstable.

VIOU PRESIDENT-Daniel Kimhall, Rutland. TRUSTEES—George Campbell, Westminster; Henry Clark, Rutland; Ebenezer Bridge, Pomfret; U. R. Potter, St. Albans; Thomas Saunders, Brookfield.

#### NEW HAMPSHIRE.

VICE PRESIDENT-Frederick Smyth, Manchester, N. H. TRUSTEES- Moses Humphrey, Concord; S. W. Buffum, Win-hester; Virgil C. Gilman, Nashua; George W. Riddle, Bedford; William T. Eustes, Dover.

#### MAINE.

VICE PRESIDENT-S. L. Goodale, Saco. TRUSTEES-Seth Scammon, Scarboro'; Columbus Stewart, North Anson; Waldo T. Peirce, Eaugor; George W. Ricker, Bath; J. F. Anderson, South Windham.

It was voted to hereafter hold the annual meeting on the first Tuesday of February. was also voted to apply for a charter.

Gov. Dyer, of Rhode Island, moved that a committee of oue from each State be appointed to arrange the time and place of the next Annual Exhibition. Messrs Anderson of of food. Maine, Eustis of New Hampshire, Bridge of Vermout, Dyer of Rhode Island, Webb of Connecticut, Howe of Mass., were appointed that committee. A final adjournment then THE VEGETABLE WORLD: being a History of Plants, with their Retailed descriptions and reculiar Properties. By took place.

## THE NEW TARIFF ON WOOL.

One of the most important bills passed by the Thirty-Ninth Cougress-just closed-is the Tariff on wool and woolens. We believe it is, substantially, the bill agreed upon by the wool growers and the woolen manufacturers last year. The Bill makes the following classes, or grades.

CLASS I. Clothing wools—that is to say, Meriao, Mestiza, Metz, or Metis wools—or other wools of Merino blood, immediate or remote, down, clothing wools, and wools of like charac-Ayres, New Zealand, Australia, Cape of Good Hope, Prussia, Creat Britain, Canada, and elsewhere; and, also, including all wools not hereinafter described or designated in class 2 and 3.

CLASS 2. Combing wools—that is to say, Leicester, Cotswold, Lincolnshire, down combing wools, Canada long wools, or the like combing wools of English hlood, and usually known by terms herein used; also, all hair of alpacca goats and other like

CLASS 3. Carpet wools and other similar wools, such as Donskoi, native, South America, Cordova, Valparaiso native, Smyrna, and including all such wools of like character as have been beretofore usually imported into the United States from Turkey, reece, Egypt, Syrla and elsewhere.

The duty on the First class, upon wool valued at thirty-two cents per pound, is ten gressive farmers. As soon as the ground is ceuts per pound; and in addition, ten cents illustrations ad valorem. On the Second class, the duty

> For sconrs in calves, pigs and sheep, a correspondent of the Maine Farmer takes a quantity of good oats, boils them one hour, aud gives freely of the tea till a cure is effectcd. From many trials he is satisfied that the remedy is safe and certain.

High Price for Fowls.-Mr. John S. Ives, of Salem, Mass., exhibited thirteen Brahma If the reader would extend the nseful- They are on exhibition, and will visit various fowls at a recent Fair at Woreester, which ness of the Farm and Fireside, let him show it parts of the country. The owner expects to were awarded the first premium. The thirteen have since been sold for \$100.

## Motes and Queries.

Editors of Farm and Fireside:

HAVING heard that Sunflower seeds are excellent for fatteng chickens, will you please inform me, through the FARM AND FIRESIDE, If such is the case ?

Sunflower seeds are good for fattening nearly all kinds of fowls; but not as a regular food. Given occasionally, with corn and other food, they are valuable.

Editors of the Farm and Fireside

DUCKS.-Wishing to keep a few Ducks of the hest breed, I appeal to you for advice. Which is best, the Rouen, or Aylesbury? Also, please inform me how to cultiv:

Yours, respectfully,

Branchtown, l'a. For the Middle States, we would recommend the Rouen Duck :

they are hardy for that locality; are generally prolific layers, eggs large, and when these ducks are killed for the table, weight ell. Their flesh is of fine flavor-good enough for any epicure,

Planting Sunflower seeds scarcely requires advice-plant in rows, three feet apart, with tomotoes or semething else between the rows. The seeds of the Suntlower are good for

GARDEN DRAINAGE.-I have a wet garden-soil a black, heavy loam. Some Springs, I cannot plant until late; in fact, not until my neighbors have vegetables up. Will draining my CONNECTICET.

Certainly. Put drains in 21/2 feet deep-18 to 25 feet apart; and, if properly constructed, you will change the nature (almost) of your soil, and raise crops two or three weeks earlier. A rubble, or flat stone drain will do; but we Trefer the horse

WILL COTTON GROW IN DELAWARE 5-1 leave recently purchased a large tract of land in Sussex county, Delaware; and my son-in-law thinks we can grow colton, to advantage, on the lower fields. Will you auswer this inquiry through the Farm

Milford, Delaware, March 4, 1867.

If your "large lract" of Delaware land is not located in the Cyprus swamps, cotton MAY BE GROWN; but not to compete with corn and peaches. One of these days, eviton will be suc-cessfully grown a good ways North of the old arbitrary cotton line; but both plant and planters must first be educated to a

CATTLE "OFF THEIR FEED."—Please state through your columns what should be given to eattle "off their feed." We have a yoke of oxen that are off their feed, and we have tried almost everything we have heard of.

Yours, respectfully, Cranston, R. 1., March 7, 1867.

This question is rather indefinite. The cattle have probably been over-fed or over-worked. In either case, give them a change of food, and a small quantity; say a few carrots, pota-toes or turnips. Lif over-worked, give them rest with the change

### Our Book Table.

Louis Figurer. D. Appleton & Co., New York

This is the most valuable contribution to botanical science and plant history, ever issued in this country. The author has a marvelous love of nature, and of the plants and vegetables, which beautily the earth. Like Claudius, Resiod, and all eminent writers, he looks upon this world as an eternal handwork; as the land of loveliness as well as hencilcence—made so, in part, by the wonderful flowers, shrubs and trees scattered over its surface. A previous volume of Figurea's, entitled "The World before the Deluge," created a wide enthusiasm among authors, and this second contribution will be as well received

The present volume is divided into four parts:-

1.—The Organography and Physiology of Plants.
2.—The Classification of Plants.
3.—The Statural Families of Plants,
4.—The Geographical Distribution of Plants.

The work is written in graphle, fascinating language; the classification systematic, and the vegetable world thoroughly examined and exhausted in order to render the volume complete. The engravings illustrating the subjects, comprise nearly live bundred; are all drawn from nature, and are executed in the highest style of art. We recommend Figurer's Vegeta BLE WORLD to all lovers of plants, flowers and vegetation.

OUR MUTUAL FRIEND, by Charles Dickens. T. B. Petersoa & Brothers, Philadelphia. This novel is so well known and appreciated by the admirers of "Boz." and all novel readers, that it would be rather late for us to endorse its peculiar merits. But we wish to say a word for the enterprising publishers, who have layisbly expended money in obtaining proof sheets of the "Author's American Edition of Dickens"—of which this is the first volume. MESSES, PETERSON will fisue one volume per month, in uniform style, on good paper, clear type and handsome binding—making the entire edition an ornament for the parlor or library. Our MUTTAL FRIEND, with forty-two Illustrations, was issued in February; and for March, we are to have DAVID COPPERFIELD, with twenty-five full page

cents; and on those costing over twelve cents, attention in this country than ever before. The burdens in the chemistry of plants and solls; the source from which plants derive nourishment; general principles of vegetable physiology; history of manures and special fertilizers, practical remarks on the care of farm stock. This work was issued at the opening of the war: consequently at an unfavorable time for its publication. It deserves a liberal patronage, and should he introduced in all our common schools.

> CHRONICLES OF THE GREAT REBELLION .- A. Wingh, Philadelphia.—As a hook of reference, this publication in invaluable. It gives a full record and digest of the events of the war-in chronological order-civil, political, naval and military. Every student of history and every writer for the press, will find this volume exactly what they want for daily reference.

THE AMERICAN FARMER'S HORSE BOOK .- By Robert Stewart, M. D., V. S. Embodying the results of twenty years investigation and veterinary practice. C. F. Vent & Co., Cincinnatti; Zelgler, McCurdy & Co., Philadelphia.—This is a large and handsome volume. Not having read it, we withhold our views until we can judge it as it deserves.



Gapes in Chickens.—John McKay, of Long Island, states that a sure cure for gapes in chickens is this: When your chicks are about a week old, put about a tablespoonful of powdered sulphur in their feed; mix this in two quarts of feed, doing so two or three times a week, until they get big enough to be out of the way of this disease. This receipt is worth a great deal in saving thousands of chickens yearly. I have known people to lose a hundred a year, and yet langh at this simple remedy, which is the better because simple. A gentleman in Cincinnati says that his remedy is to put scraps of rusty iron in the water they drink. It cured those that were sick.







## The Fireside Muse.

### THE INDEPENDENT FARMER.

Let sailors sing of the windy deep, Let soldiers praise their armor, But in my heart this toast I'll keep-The Independent Farmer. When first the rose in robe of green Unfolds its crimson lining, And round his cottage-porch is seen The honeysuckle twining; When banks of bloom their sweetness yield, To hees that gather honey, He drives his team across the field, Where skies are soft and sunny.

The hlackbird clucks behind the plough. The quail pipes loud and clearly, Yon orchard hides behind its bough The home he loves so dearly; The gray and old barn-doors unfold His ample store in measure, More rich than heaps of hoarded gold A precious, blessed treasure; While yonder in the porch there stands His wife, the lovely charmer, The sweetest rose on all his lands-The Independent Farmer.

To him the Spring comes dancingly, To him the Summer blushes, The Autumn smiles with mellow ray, His sleep old Winter hushes; He cares not how the world may move. No doubt or fears confound him; His little flock are linked in love, And household angels round him; He trusts to God and loves his wife, Nor griefs nor ills may harm her; He's Nature's nobleman in life— The Independent Farmer.

## Fireside Tales.

### JACK SPROUT'S CONVERSION.

he swore quite a number of oaths, for he was have an interest in religious things?" very 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 possessed 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 had 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 his mother's side, with a sadly begrimmed and tear-streaked face, and his story was, that Solomon Gordon had whipped him with a stick, and the boy's legs still bore a few slight tokeus of the castigation. Two other boys 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 one 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 not 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 rough, uneducated, strongwilled and impulsive.

Jack Sprout put on his hat and prepared to worked like bundles of ropes.

"Dear Jack," plead his wife, "don't go out

a child of mine without having a chance to 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 the sun goes down!

And as Jack Sprout looked at that moment he gave awful evidence that he was physically able to make good his word; for a more magnificent structure 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 much hurt; and he ought not to have thrown stones at Gordon's dog. You know both Solomon and his wife set everything by the 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 now, you will only make matters worse. Oh, I wish you would drop it."

Jack only shook his head, 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 man at heart-"

Jack interrupted his wife with a decisive sneer.

"Don't laugh at me, 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 a case that calls for your strength of muscle. 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 may experience religion as much as you please but you mustn't preach the stuff to me.'

"Jack," spoke the wife, with stern solemni-JAOK SPROUT swore a terrible oath. Iu fact, ty, "Have I been any worse since I began to

"No, Abby—you were good always."

"Then why will you not listen to me? If 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 not hear his wife out. He had sworn that he would thrash Solomon Gordon, and he would keep his word. His temper was at the boiling point, and he was fairly aching to get his hands upon the man who had 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 him and hurried from the house, slamming the door after him.

Away weut Jack Spront with rapid, heavy strides; and had Solomon Gordon fallen in his way just then, he would most assuredly have been severely beaten; for though Solomon was a stout, bold man, yet Jack was a very Her-

But Jack was destined to get pretty thoroughly 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 hurrying forward 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 his tiny arms in on agony of despair. It was a terrible place, that seething, roaring pool, where the waters of the great river came pouring down from the high dam; but Jack did everything but the dauger of the little onesally forth. His lips were pale and tightly com- and only stopping to kick off his boots, and from my house, full of wrath and madness, pressed, and the huge muscles in his arms throw aside his coat, he leaped down into the curses were upon my lips and in my heart. I and then struck out for the shore. It was a "Let me aloue, Abby. No man shall strike More than once those who had gathered upon the rocks had reason to fear that ueither the strike me. I shall go and see Sol. Gordon, and man nor the child would come forth alive; but my heart. And uow, I say, it's all right!" I'll give him such a licking as he won't forget Jack held his own against the mad torrent, and iu a hurry!" And Jack closed the sentence finally reached the shore, where many hands lasting. were ready to help him. As for himself, a few minutes rest so far restored him that he was able to walk; and he had sustained no in- changes for good or ill. jury save a few trifling bruises. And as for the time of his struggle.

And when Jack Sprout had regained his dy about last Sunday, was not more suddenly breath, and was able to speak, he looked to see brought to light than I have been. Realy and the boy that he had saved, and he saw that it truly, there is more virtue in kindness than in was Andy Gordon, a bright-eyed, curly-haired, cnmity. It blesses everything and everybody. red-faced boy, not a year older than was his He who bestows it, is as much blessed as he

"Where's papa?" asked the dripping child.

Jack looked up and saw Solomon Gordon coming-Solomon, pale and terror-strickenand with all possible haste he seized his coat down by our Savior? Oh, I know that they and boots, and hurried away. He could not meet 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 received a heavy blow.

"It is nothing, Abby."

"Has Solomon-

"Pshaw! D'ye think Solomon Gordon could have done this! I have been in the river. A little boy had fallen from the bridge right into the flood beneath the falls. I jumped in and brought him out."

"Alive?"

"Yes, alive and unhurt."

Oh thank God? Whose child 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 in the course of an hour all traces of exhaustion had passed

"I tell you, Abby, I have had a good many tough jobs in my day, but I never had one like that before. A weaker man than I could never have brought out that child alive."

"O, how grand it is, Jack, to use one's strength iu such a cause. But whose child was it? 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 excited the man looked, and how he trembled, for she did not uotice the moist, brimming light that shone in his swollen eyes.

"Jack!" spoke the new comer, in a gasping manner, at the same time holding out both of his hands. He choked and stammered, but rough, perhaps very rough, but wheu it is all presently gained streugth to add, "O, my God, what can I say! Jack! Jack!" Here the stout man broke fairly down, and burst into conceit, he will be thankful that he has ruu the

Jack, almost as much affected as was his visitor, arose and took the extended 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 I could only go back to where I was this morning! My God! I beat your child for a trifling thing, and you have saved mine from a terrible death, saved him almost at the expense of your own life. Kill me, if you will. Beat me, Jack. Do anything you like, only forgive me, so that this saving act of your's shan't be always like a heap of coals upon my

And then with a sudden impulse- under the influence of an emotion such as he had never before experienced, Jack Sprout said:

"Solomon, I tell you it's all right. You not hesitate. He forgot his enemy-forgot have no more reason to thank God that I saved cour child than I have When I went forth angry flood. He caught the boy in his arms, should have sought such revenge as the wild beast seeks. Is it not better that I found your mighty conflict, but the strong mau persevered. I little Andy in the flood? and is it not better that my great strength was used in saving his life? I forgive you, Sol, from the bottom of

Aud so was eemented a friendship holy and

Seemingly slight perturbations in the current of a man's life sometimes work marvelous

"Abby," said Jack Sprout-it was late in power enough on carth to save Sol. Gordon the boy, he had come forth in safety, for Jack the evening, and they had been sitting for some itching and uritation of the chilblaius will be from a drubbing; and I'll give it to him before had held him high above the water during all time without speaking—"I believe I am con-curse this must be before the chilverted. Saul of Tarsus, that you read to Fred- blains are broken.

who receives it.

And then the wife, with her arm placed gen-"He is coming," answered some one in the tly around her husband's neck, geutly, kindly

> "Dear Jack, wouldn't we both be happier if we would try to live by the blessed rules laid were given by One who sought our highest good, and I think we should find joy in trying to 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 soft-hearted parents may not think so. All youths, or if not all, certainly nineteen-twentieths of the sum total, enter life with a surplusage 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 their 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 finds 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 recognition of the golden rule. The world is a great public school, and it soon teaches a new pupil his proper place. If he has the attributes that belong to a leader, he will be installed in the position 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 vain, pompous and overbearing.

By the time the novice has found 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. Most likely the process of abrasion will be over, and he begins to see himself as others see him, and uot as reflected in the mirror of selfgauntlet, aud arrived, though by a rough road, at self-knowledge. Upon the whole, whatever loving mothers may think to the coutrary, it is a good thing for youths to be knocked about in the world; it makes men of them.

OVER-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 brain, 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 which she thinks she is nothing, and those paroxysms which men speak lightly of as hystericalconvulsions, 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 CHILBLAINS.—Boil some turuips, and mash them until reduced to a pulp; put them into a tub or large basin, and put the feet into them, almost as hot as can be borne, for a short time before going to bed. Persevere in doing this for a few nights, and the



LOVE OF CHILDREN.—Tell me not of the trim, precisely arranged homes where there are no children: "where," as the good German has it, "the fly traps always hang straight on the wall; "tell me not of the never disturbed nights and days, of the tranquil unanxious hearts, where children are not! I care uot for these things. God sends us children for auother purpose than merely to keep up the race—to cularge our hearts, to make us unselfish, and full of kindly sympatics of the sends of the control of thies and affections; to give our soul higher aims, and to call out all our facultics; to extend enterprise and exertion; to bring round our firesides bright faces and and happy smiles, and loving, tender hearts. My soul blesses the Great Father every day, that he has gladened the earth with little children.





## Morticulture, &c.

#### REMARKS ON THE ORIGIN OF FRUITS AND VEGETABLES.

[Written for the Farm and Fireside. ]

THE following extract, I clipped from one of 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 supposed, which it may contain, even it' that interest should be nothing more than mere curi-

Confessing my entire ignorance of the "pretty pea" called" parsley," there is a possibility that the origin of some of the fruits and vegetables named in the extract, may be as much matters of speculation as the grape is held to be by some of the horticultural savans of Europe.

At the last meeting of the "Central Imperial Horticultural Society," held in Paris, France, Doctor Thudicum, of St. Thomas's Hospital, London, made a very important and learned report on the fossil vines, and the wild grape vines of the valley of the Rhine, in Germany; which report, if true, is calculated to upset some of the theories of the origin of this fruit as heretofore existing. On this occasion he exhibited to the Society several specimens of vine leaves impressed upon coal, which had been taken from a coal-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 deposits were found lying underneath the bassalt; and what may appear most maryclous and startling, to at least one class of philosophers is, that they are estimated to be above one hundred millions of years old; and that these facts, and the peculiar character of the wild vines of the Rhine valley, completely contradicted the almost universal belief, that the vine had come originally from Asia. He gave it his opinion, and believed, that the vine was indigenous to all countries where it now prospered; and invited horticulturists to make experiments with the seeds of wild vines, particularly those of France, as they might obtain results important to horticulture. Whether of any interest or value to American horticulturists, is for them to decide.

Lancaster, Pa.

### ORIGIN OF VEGETABLES.

Garlie came from Sicily. Beans blossomed first within sight of embryo mummics in the land of the Sphinx; and the egg plant first laid its glossy treasures under the African sun, and Southern Europe gave us the artichoke and the beet. To Persia we stand indebted for peaches, walnuts, mulberries, and a score of every day Inxuries and necessities; to Arabia we owe the cultivation of spinage; and to Southern Europe we must how in tearful gratitude for horseradish. At Siberia, the victims of modern interpretage may shade their grey of modern intemperance may shade their grey locks forever—tor, from that cold, unsocial land came rye, the father of that great firewater river, which floated so many jolly souls water river, which floated so many jolly souls on its treacherous tides, and engulphed so much of humanity's treasure. The chestnut, dear to squirrels and young America, first dropped its burs on Italian soil. Who ever dreams, while enjoying his "Bergamotte," his "Flemish Beauty," or his "Jargonelle," that the first pear blossoms opened within sight of the Pyramids? and what fair school girl of the pickle-eating tribe, dreams of, thanking the East Indies for cucumbers? East Indies for cucumbers?

Parsley, that prettiest of all pretty peas, taking 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 seemed an acquaint-

THE Taunton (Mass.) Gazette states that a breeding sow kept by Doct. A. Martin was months old, which weighed, dressed, eight raised from this sow were sold for \$108.

## Matural History.

### HAIRY WOODPECKER-SAP-SUCKER.

(Picus pubesceus.)

To the Editors of the Farm and Fireside;

A singular freak of this familiar inhabitant of orehards and lawns, may be worthy of rec-

The singularly foolish idea, often advanced, that he only attacks decaying trees, or those containing insects or grubs, and of his instinctive ability to detect their locality, should be exploded. The following facts 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 beneath the bark. That the numerous holes made by them around apple and other trees is in search of insects, is simply preposterous. The wonder is that any one should have advanced it; especially after the careful observations of Nutall.\*

Smooth, vigorous trees are oftenest attacked. The soft parenchymatous substance beneath the bark is at certain seasons their principal

One of these birds took up its quarters in a deserted hornet's-nest in my orchard, and was so comfortably housed that it remained until Winter. Its depredations upon the tree were extensive. It had removed more than twenty superficial inches of bark, attention to which caused the discovery of its retreat. Had its migratory institut been overcome by shelter and proximity to food? J. K. E.

\*Nutail's Ornithology, Land Birds, p. 689.

### THE ROBIN.

Messes. Editors: -I was astonished to see, in the Farm and Fireside, a word said against the robin. I am a friend to the birds, especially the robin, as they devour innumerable 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 vegetation. I wish there were a thousand on my farm every season, and I would protect them, as far as I could, from all harm. I have told boys that I would rather give twenty-five cents, than have one killed on the farm, which has had a good effect in preserving the lives of these innocent creatures.

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 day their notes are sweet to me; yes, sweeter than the tones of any musical instrument I ever heard played by human hands. If I had a thousand cherry trees, I should be willing the robins should have half of them, as they are a poor, unhealthy fruit, and fit for nothing but birds to cat!

One word more for my feathered favorites, and I have done. I have often been hoeing in the cornfield, when one or more robins would follow me all day and pick up worms from almost every hill of coru. Who could kill a bird that does this?

Messrs. Editors, I am a friend to all birds except the crow and hawk.

Respectfully Yours, EBENR. CHASE. Blackstone, Mass., March, 1867.

or, rather, there it first seemed an acquaint-anceship with civilized man. Onions, too, are only naturalized foreigners in America. I had hoped that in poetic justice, research would prove this pathetic bulb to have sprung from the land of Niobe, but no; Egypt stretches forth her withered hand and claims the onion as her own! Maize and potatoes, thank Heaven! can mock ns with no foreign pedigree. They are ours to command, to have and to hold, from time's beginnings to its ending, though England and Ireland bluster over this in a window, and vines will grow up which "corn" and "praties" till they are hoarse. A BEAUTIFUL EXPERIMENT.—Fill a widecan be conducted to the sill. The whole is very handsome.

A LADY was asked to join one of the divisions slaughtered on the 23d ultimo, when twenty-one of the Daughters of Temperance. She replied, "This is unnecessary, as it is my intenhundred and forty pounds. Two litters of pigs tion to join one of the sons in the course of a few wecks."

## Marriages.

In Woonsocket, March 7th, hy Rev. D. M. Crane, Mr. Phillo E. Thayle to Miss Georgianna F. Arnold, both of Woon-socket; Sthust., by Rev. Robert Murray, Mr. James Ben-nett to Miss Sarray Goddaed, both of Woonsocket.

At the Union House, Blackstone, March fth, by Charles A, Wight, Esq., Mr. Daniel H. Gook to Mrs. Hattir Parsons, both of Blackstone,

In Providence, Thomas II. Carrique to Susan S. Luther, both of Providence.

In Elmwood, 7th Inst., Mr George B, Inman, of Slatersville, o Miss Ellen K, Kent, of Elmwood,
In Centreville, 6th Inst., Perey H, Hyde to Josie M, Litterelle, both of Sterling, Coun.

In Peacedale, 2d Inst., Mr. JAMES F. HOLLAND, of Westerly, of Miss MARY T. STEADMAN of Peacedale,

In Central Falls, 7th ult., Mr. John Townsend, of Central Falls, to Mrs. Ann Pean of Warwick: 12th ult., Mr. Frigherho C. Taylon to Pamelal G. Chaog, both of Central Falls; 22th ult., Mr. George Broome to Miss Sarah C. Phillelps, both of Central Falls.

In Bellingham, Mass., by H. G. Grant. Esq., Mr. John Vaes McCours to Sally A. Adams, both of North Bellingham.

In Webster, Mass., 2d, Inst. My. A ADEM TRANDIALO Wiss

In Webster, Mass., 2d inst. Mr. Albert Reando to Miss Eliza Brunelli,

### Deaths.

In Providence, 7th Instant, Mrs. RUTH H., wife of Rev. Thomas Williams, aged 79 years. 8th Instant, Dr. Thomas Sweet, "the original bone setter," aged 35 years. 10th inst., JULIA BLANDING, daughter of Shibael and Lucy Aun Blanding, aged 29 years. 11th Instant, Saeaul A., wife of Williams, H. Peck, in the 37th year of her age. 12th Instant, IsaAo Pur-Man, Jr., aged 20 years and 9 months. 11th Instant, Mr. Charles Green, aged 74 years. 12th Instant, Mr. Joseiff F. Smith, aged 55 years, 4 months and 24 days.

In Worcester, Mass, March 1st, George H, son of William C. P. and Ruth D. Clemenoe, aged 18 years, and 20 days, In Crompton, 3d instant, Flora V, daughter of Jeery B, and Louise M, Foster, in the 5th year of her age, In Milford, Mass., 7th Instant, Stephen B, Ford, aged 78.

In Webster, Mass., March 4th, Mrs. Adeline, wife of Geo, Freeman, uged 56 years.

In West Sutton, Mass., March 8th, WILLARD HALL, aged 63 years, 10 mouths, and 15 days.

In Mülbury, Mass., March 6th, INEZ MARIA, only child of ALONZO and LUZIE A. STOCKWELL, aged 11 months.

## The Markets.

### WOONSOCKET RETAIL MARKET.

(For the week ending March 15, 1867.]

PALL TROPOGES, PUBLICACE				
llay # ton\$38	Wood & cord\$6a9 50			
Straw # ton\$20				
E Coal 79 ton\$10 50a12 50	Potatoes90c			
Oats # hush85a90c				
GROCER	ies, &c.			
Flour	Raisins22a25c			
Corn Mcal	Molasses ⊕ gal			
Rye	Y. H. Tea\$1 20			
Saleratus	Black Tea80ca 1 20			
Kerosene Oll80c	Oil # gal			
E Cheese ₩ tb	Fluid 7 gal			
Butter 7 b40, 42a45c	Candles & lh 25a50c			
Codfish8c	Eggs lb doz30c			
Java Coffee & th25a50c	Lard # 1h			
Mackerel, new10a12c	Sugar & ib			
MEAT	S, &c.			
Beef Steak	Hams14alec			
Beef, corned10a15c	Poultry20a2%c			
Tongues, clear20c	Shoulders,			
Mutton9a14c	Sansages13c			
Veal	Tripellc			
Pork, fresh	Pork, salt			
=,				

### BRIGHTON CATTLE MARKET.

March 13th, 1867.

March 13th, 1867.

At market for the current week: Cattle, 1408; Sheep and Lambs 4870.

PRIOES. Beef Cattle—Extra, \$13.50@\$14.00; first quality, \$12.75@\$12.50; third quality, \$10.00@\$11.00 \$100 fbs (the total weight of hides, tallow and dressed heef.)

Country Hides, 9@9%c \$7 lb.

Brighton Hides, 10@10%c \$7 th; Brighton Tallow, 7%@8c \$7 lb.

Dry Sheep Skins, 62c @ \$1. Wool Sheep Skins, \$1.50@

32. each.

The market has been active, and prices remain unchanged from last week's quotations. The supply is larger, but the quality of the Bueves from the West is not so good upon an average as those of last week. There has been some few very extracattle sold as high as 14% ets 28 lb. Nearly half of the Western cattle got into the market on Saturday, and most of them were disposed of oa that day. There is a good supply from Maine, mostly Working Oxen, although there are some very nice Beeves among them.

mostly Working Osen, although there are some very nice Beeves among them. Stores.—No Store cattle at market, except Working Oxen and Mikh Cows. Working Oxen.—Sales at \$150, \$165, \$170, \$175, \$180, \$185, \$190, \$210, \$220, \$225, \$230, \$232, \$235, \$245, \$254, \$264, \$264, \$266, \$265, \$294, \$264, \$

### NEW YORK WOOL MARKET.

NEW YORK WOOL MARKET.

The last number of the New York Ship List says: "There is more business and prices favor the buyer, though the market is still unsettled. On the high grades of domestic fleece rather better prices have beeu paid, while the low qualities are nachanged. Foreign is held above the views of buyers. The Secretary of the Treasury has decided that the provisions of the new tariff on wool does not effect goods in bond. The sales are 225,000 lbs domestic fleece at 49,05 cents for low to choice the same state and Westerm including XX Virginia and Ohio at 67,2635%c. and XXX at 70e; 125,000 hs super and extra pulled, 35,635%c. 5,000 lbs California, 30,0625%c for good nawashed, and 50e for line washed; 175,000 Texas, 20,032c; 75,000 lbs Mexican, part 22,0225%c, 650 bales Cape, part 35c; 2000 do Mestica, 30,635c. The Ohio Farmer advises Wool growers who may be holding their clips, against the supreme folly of hecoming frightened and sacrificing their property. It adds: "Prices cannot be lower for some time, and all the wool in the country will be needed before the new clip is in the market."

## Advertisements.

CREGORY'S SEED CATALOGUE, will be sent gratts to any address. It contains over one hundred and twenty varieties that I grow myself, besides anany kinds imported from England and France, and procured of the most reliable seedsmen in the United States. Farmers and Gardeners will find in my catalogue many

NEW AND RARE VEGETABLES.

some of which are not to be found on the list of any other seedsman.

1 offer an opportunity for all to procure their

BEET, CARROT, ONION, AND MANY OTHER VARIETIES OF SEED, DIRECTLY FROM THE GROWER.

As the original introducer of the Hubbard Squash, Marhlebead Mammoth Cabbage, Boston Curled Lettuce, and many other new vegetables, I invite the patronage of the public JAMES J. H. GREGORY, Marblebead, Mass.

March 16, 1867.

## Great American Tea Company.

### THE IMMENSE PROFITS

#### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that onsumers of Tea and Coifee were paying too muny and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do awny, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been

made in the Tea trade, we will start with the American b leaving out of the account entirely the profits of the Chinese

1st. The American House In China or Japan makes large profits on their sales or shipments—and some of the richest retired nerchants luthis country have made their immeuse fortunes through their houses in China.

2d. The Banker makes large profits upon the foreign exchange used in the nurchase of Teas.

3d. The Importer makes a profit of 20 to 50 per cent in many cases.

cares.

4th. On its arrival it is sold by the cargo, and the Parchaser sells to the Speculator in invoices of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Greer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer nas to pay. And now we propose to show why we can seil so very much lower thus small dealers.

We propose to do away with all these various profits and brokerages, curtages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small prolit to ourselves-which, on our large sales, will amply pay us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Warc-

Some parties inquire of us how they shall proceed to get up a club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our l'rice List, as published in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves. The funds to pay for the goods ordered can be sent by drafts

on New-York, by Post Oilice money orders, or by Express, as may suit the convenience of the Club. Or if the amount order-ed exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery." Hereafter we will send a complimentary package to the party

getting up the club. Our profits are small, but we will be as liberal as we can afford. We send no complimentary package for Clubs less than \$30,

Parties gettlug their Tens from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse,

The Company have selected the following klads from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell then in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

### PRICE LIST:

YOUNG HYSON (Green), 80c., 90c., 81, \$1 10, best \$1 25 \$1 tb.
GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 \$1 tb.
MIXED, 70c., 80c., 90c., \$1, \$1 10, best \$1 25 \$1 tb.
MIXED, 70c., 80c., 90c., best \$1 \$1 tb.
OOLONG (Black), 70c., 80c., 90c., best \$1 \$1 tb.
MIPERIAL (Green), best \$1 \$2 \$1 tb.
ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 20 \$2 tb.

GUNPOWDER (Green), \$1 25, best, \$1 50.

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drinking them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, being composed of the best Foo-Chow Blacks and Moyune Greeas. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, although it is the fluest lapported.

Customers can save from 50c, to \$1 per lb by purchasing their

THE GREAT AMERICAN TEA CO.,

NOS. 31 and 33 VESEY-ST., corner of CHURCH, Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 30c., 35c., best 40c. per pound. Hotels, Salooas, Boarding-house keepers, and families who use large quantities of Coffee, can economize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 30c. per pound, and warrant to give perfect satisfaction.

### Club Orders.

WASHINGTON, Pa., Nov. 10, 1865.

To the Great American Tea Company,
Nos, 31 and 33 Vesey-st. New-York.

Gents: I forward you my fourth order and could bave doubled it if 1 had collected any, as your Teas take the lead in the market, we feel it a saving of \$1 per pound. Piease accept my thanks for the complimentary package. Address by Ex-

press, Martin Luther,

=							•	MARTIN	LUTI	IER.
=	10	df	Young I	Ivson,	In por	nd pac	kages	at \$1	25	.\$12.50
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\$84 00

We call special notice to the fact that our Vesey-st. Store is at Nos. 31 and 33 Vesey-st., corner of Church-st.-LAEGE DOUBLE STORE.



RAISING CHICKENS BY HAND.—L. Hildreth, of Massachusetts, says he has successfully practiced for years raising chickens by hand, taking them from the nest as soon as hatched. "I shut up the hen two days, and she is then ready to commence laying again. I feed the young chickens at first with hard boiled eggs and crackers for two or three days, then with fine feed or shorts mixed to dough. After a week I mix a portion of pork scraps broken fine in the dough, and occasionally Indian meal. They have the run of my garden, containing less than a quarter of an acre, and keep my vines and hoed crops generally clean of insects and worms.



# The Farm and Fireside.



## The Farm.

PLAIN TALK WITH FARMERS. NUMBER TWO.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

I HAVE not the slightest doubt, that there will be many farmers who may read my plain talk, and say: "Where does he expeet we are to find the time to acquire all this knowl- of the Diviue wisdom which may well cause of other meat, and the whole people, including edge he seems to think necessary for a farmer?" My answer to that is-I know no industrial pursuit that has more leisure time on its hands in which to acquire knowledge, than man has been able to understand the object of both wool and mutton would be plenty and 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 iflowerless and fruitless vegetation so luxuriant exceptions, is his; and, certainly, there are many hours during the long winter evenings, that he might devote to the acquisition of useful knowledge relating to his pursuit. A very they? But, now, the answer comes in the fair understanding of the principles upon which Geology, animal and vegetable Physiology, together with Agricultural Chemistry rest, might be acquired in those leisure moments, so as to be of incalculable 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 diversity, and the kind of materials hy the admixture of which their strength can be improved. Geology will inform him that the entire surface of the globe on which he lives is composed of rock overlaid with a coating of thin material, which is the soil that he tills .-He will further learn that the character of this decomposition, were to minister for all time to rock differs in various districts. In some it is the wants of the coming ruler, who was to sandstone; in others, limestone; iu others, slate, have "dominiou over the fish of the sea, over or hardened rock of clay. Thus he is furnishcd with a guide by which to obtain a perfect all the earth, and over every thiug that creepinsight 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 from the crumbling of the rocks below. Geology further 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. Thus you will find a stratum of limestone, of sand stone and of slate, lying 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 same relative position.

How much does the Agricultural world owe to Geology in the discovery of that abundant fertilizer, marl? But independent of the practical results to be attained by a knowledge of Geology, to the farmer, there is much, leaving cont its technicalities, to interest and absorb 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 successive races flourished and decayed long before mau's creation. And he finds confirmation for all this in the myriad forms of once animated existences, whose remains have been disinterred from their graves in the gypsum quarries, marl heds, and the chalk which enters so exclusively iuto the formation of the vast masses of mountain limestone.— The earth is, in truth, a charnel house, full of bones, sinews, shells, leaves and prostrate strong, excellent and durable stocking yarn, trunks—all remains of animal or vegetable ex- though it is mostly used to make the brilliant, istences that once, ages ago, flourished npon its surface. So that our planet, so preyed upon, rent and shattered by varions agencies, has been steadily advancing through countless ages to its present improved estate; developing a plan, the result of forethought and design, grand in its outlines, beautiful in its execution meat of one kind, as often as is necessary, the and benign in its results. Reaching far hack into the past, it anticipated the wants of ages yet to come, by which the globe has been, step by step, built up as an appropriate home for moral and intellectual heings. While our earth was yet unfit for man's habitation, it was occupied by animals, whose natures were duces irritation and eruptions of the skin. adapted to its condition; and, with a gigantic

ty of the coming races of men; furnishing this great contrivance. Those huge cone-beariug trees; those rich and varied mosscs; that and so immense, for what were they meant?-Aud, then, those layers of hlack stone, eropping out from the hill side, what object have hum of myriads of steam engines, with a power 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 revelations, that all this creative energy and intelligence 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 them wave with a golden harvest, the rich abounding treasures of your coal-fields are hut evidences of a Divine forecast, that has thus deposited the remains of animal and vegetable life; which, by gradual transformation, through the fowl of the air, and over the cattle, over eth on the face of the earth."

Such are the interesting developments that opeu to the mind of the studious inquirer, the wondrons truths of Geology. Surely such information as this is worth more than that ohtained from the "New York Ledger" and kindred sheets that I ohserve so often in farmers' dwellings. These sensational journals have done more to corrupt the literary taste of the present generation, and spoiled the appetite for more solid and substantial food, than their editors could undo, if they were to live to the age of the patriarchs.

In my next "talk" I will endeavor to point out the advantages to be derived from the study of Vegetable Physiology.

March, 1867.

## RAISE SHEEP-EAT MUTTON.

Good mutton, well fatted and neatly butchered, is the most wholesome, nutritious, and eheapest of meats. It grows quick, and costs little to produce it, compared with beef and pork. Every farmer should have a few longwooled Cosset sheep, at least,-Cotswold cr Leicesters. They are little trouble, and will keep fat on the orts of the cattle. They usually hring twin lambs, which sell to the butchers for from \$8 to \$10 by the first of July. Their fleece averages from 8 to 14 pounds, with from 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 treatment of the flock. Long wool makes BARRETT'S EXTRA EARLY CABBAGE,—The hest and strong, excellent and durable stocking yarn, the next is a market. Price, 25 cents a paper. Raised and sold by Providence, Feb. 23, 1867. light, and lustrons Orleans goods, for the apparel of our pretty women. Two such sheep will yield as much profit as a common cow, and five of them can he kept as cheap as a cow in milk. Their lambs and mutton would keep a farmer supplied with the best of fresh meat of one kind, as often as is necessary, the year round, and would make an agrecable episode to the eternal round of salt junk and pork, and be far more healthy than either. Those who eat principally salted meats show it in their complexion, their skin being less fair and smooth. Pork, at hest, eaten coustantly, pro-

We have now a plenty of sheep in the coun-

vegetation; subsequently submerged; then en- try-over 32,000,000 head (more than ever betombed, and by chemical processes gradually fore, according to the population). Then let converted into beds of coal, now so useful, all manufacturers, mechanics, and all men who while formations of rock-salt, marble, lime- are interested to have good meat and the board stone, gypsuun aud marl were going on, to fof operatives cheap and wholesome, see to it minister to the comfort, pleasure and prosperi- that mutton-raising and wool-growing are properly enconraged, as a matter of health and materials for their dwellings, manure for their economy. Meat is a great item in the expense fields, ornaments for their homes, and savor of board of operatives, &c. If we grow our for their food. The design in the formation of own wool, we shall always have mutton plenty the immense coal beds is one of those instances and cheap. This will affect materially the price us to wonder and adore. It is no slight proof the manufacturers, would prohably gain as of the patience and majesty of the procession much by cheaper meats as they would lose by of the Divine will, that it is only lately that a protective duty on wool; for, eneouraged,

> Radishes in Winter.—Galignani's Messenger says that radishes may he grown in a very few days in the following manner: Let some good radish seed soak in water 24 hours, then put them in a hag and expose to the sun. In the course of the day germination will commence. The seed must be sown in a well manured hot-bed, and watered from time to time with luke-warm water. By this treatment the radishes will in a very short time acquire a sufficient bulk to be good to eat. If it he required to get good radishes in winter, during the severe cold, an old cask should he sawu into and one half of it be filled with good earth. The radish seed, beginning to sprout as before, must be sown in this half, and the other half be put upon it, and the whole carried into the cellar. Usc lukewarm water as hefore. In the course of five or six days the radishes will be fit to est.

> The hens of all kinds of galliuaceons fowls sit 21 days; ducks of the usual kind, such as Alesbury, Rouen and others, 28 days; geese 30 to 35 days; Guina fowls, 28 to 30 days; pea-hens, 28 to 30 days.

## Advertising Bepartment.

## New Jersey.

STRAWBERRY, RASPBERRY, AND
Of the best and most walled BLACKEERRY PLANTS,
the best and most reliable varieties, grown with especial
re as to purity and strength. No plants sent out but what
ll give satisfaction, and at as low rates as any. Prices to
t the wholesale—prices to suit the retail; and \$16 worth sent
\$10, to suit those who wish family lists. Catalogues free.—
and for one.

THOS. C. ANDREWS,
Moorestown, N. J.
2w-p&we-9

## Rhode Island.

MILL RIVER IRO WOONSOOKET, R. I.

W. A. HENNESSEY,......Proprietor. Innnfacturer of FLUE and TUBULAR STEAM BOILERS, OIL and WATER TANKS, WATER PIPE and PLATE IRON WORK of every description.

Boilers repaired in a thorough manner at short notice. SHOP AT NORTH END, NEAR HARRIS'S NEW MILL Refers by permission to

RIOE, BAETON & Co., Machinists and Boiler Makers, Worcester, Mass.
BELLOWS & WHITCOMB, Engineers, Worcester, Mass.
C. W. KINBALL, ESQ., late Master Mecbanic U. S. Armory, Springfield, Mass.
HON. E. HAERIS, Woonsocket.

MAUPAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., reb. 23, 1867. 32 Canal Street, Providence, R. I

FARMER WANTED.—A faithful and skillful farmer is wanted to take charge of a farm. His wife to understand making butter and the care of poultry.

Address Box No. 3,

Providence Post Office.

3w6.

February 16, 1867.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

EXTRA HEAVY PLOWS, for road work and for breaking up new land, made by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARKETT & CO., 32 Caual Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

### Massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS. OASH ADVANCES MADE ON CONSIGNMENTS.

233 State Street, and 130 Central Street, Boston.

New England Agents for the NONPARIEL FRENCH GUANO

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-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRIOE \$60 PER TON.

Send for Circular giving full particulars.

March 9, 1867.

3m-we-9

SOUTH DOWN CO.'S PATENT

TICKS, SCAB, VERMIN AND FOOT ROT. should be used by all Farmers on SHEEP, ANIMALS AND PLANTS

It will not injure the most delicate animal. It will improve the Quality and Quautity of Wool. It kills TICKS on Sheep.

It cures SCAB on Sheep. It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts. For sale by KENDALL & WHITNEY, Portland, Me.: N.S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

4m-we-9

RARE AND BEAUTIFUL FLOWERS,

SELECT VEGETABLES.

B. K. BLISS and Dealer In Garden, Field

and Flower Seeds,

Would invite attention to his large and well selected assortment of the above, comprising the newest and most approved varieties, both of European and Home Productions, the quality of which cannot be surpassed. For a list of which, see his ILLUSTRATED SEED CATALOGUE AND GUIDE TO THE

### FLOWER AND KITCHEN GARDEN.

THE THIRTEENTH ANNUAL EDITION, enlarged and improved, contains 124 pages of closely printed matter, BEAUTIFULLY ILLUSTRATED with 100 engravings, also a splendiffontispiece of a group of recent novelties—and a descriptive list of Two Thousand varieties of Garden and Flower Seeds, embracing all the New Varieties worthy of cultivation introduced the past season—with explicit directions for their culture—also a list of One Hundberd and Twenty-five Varieties of French Hybrid Gladiolus, including the leading novelties of the past season, with many other EIVE VARIETIES OF FRENCH HYBRID GLADIOLUS, including the leading novelties of the past season, with many other SUMMER FLOWERING BULES—consisting of AMARYLIIS, TUREROSES, TIGHIDIAS—LILLES in great variety, etc. To which is added a list of the cobicest varieties of GRADES, STRAWBERRIES, RASPIEERIES, and other SMALL FRUITS, BEDDING PLANTS, etc., etc., cultivated at his gardens, with much other useful information upon the subject of gardening generally, which will be found useful to all engaged in the delightful occupatiou of gardening. A copy of the Catalogue will be malled to all applicants enclosing Twinty-five Cents. Our regular customers supplied without charge. Address

Drawer No. 11, P. O., Springfield, Mass.
February 23, 1867.

TRIPED LEAVED JAPANESE MAIZE

The experience of the past season fully confirms all that we stated in reference to this heautiful plant, when introducing it to the public last spring; and we are in receipt of many flattering letters from the leading Florists in Europe, all of whom agree that it is the finest plant for decorative purposes that has been introduced for many years. Certificates of Merit and numerous Prizes have been awarded to Exhibitors at the various English and Continental exhibitions, not the least of which was that of the "Royal Hortigultural Society's International Show,"

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

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FARMERS!

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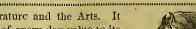
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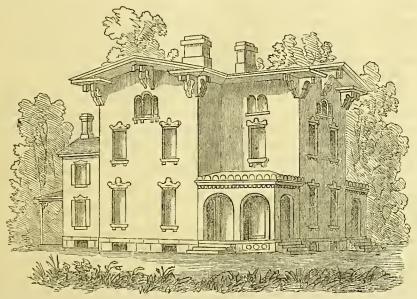
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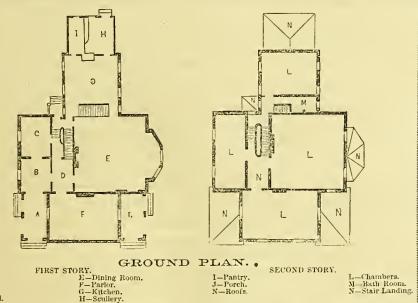
VOL. 1.

## WOONSOCKET, R.I., SATURDAY, MARCH 23, 1867.

NO. 11.



## COTTAGE IN THE ITALIAN STYLE.



### COUNTRY HOMES.

mainly, if not wholly, in something that is ex-

but a secondary consideration. Not so with we seek relief from the cares of business.

beauty of foru, of proportions, and of fitness. This is always attainable, always pleasing, and It is a commou, and a very pernicious error, may add its grace to the simplest cottage, no away hy the fire, cousist chiefly of carbou, to suppose that beauty in architecture consists, less than to the proudest palace. A home in hydrogen and nitrogen—the substance of the which these qualities are conspicuous, ean ash made by hurning was inorganic, or that But in the generality of plants, both male and trancons and superadded. There are those hardly fail to be regarded by its inmates with which constituted the food of the plant, neceswho never think of looking for this quality in constantly increasing pleasure and affection; sary for its vitality. Now whence does the This, for instance, is the case with the commere form in symmetrical proportions or tit- and this is the highest motive for their adop- plant derive these? A moment's consideration mon huttercup of your fields. If you examine ness of things. In building, they settle first tion that can he urged. Nor is the gratificawhat they regard as the practical points of tion which such structures afford to others to shape, size, &c., and then proceed to put on be left out of the account. When a house is the beauty. The natural result is an excess of to be one of many, as in a village, there is an ill-selected and ill-placed ornaments. Others, added obligation to make it comfortable and minute quantities and earhonic acid, that gas seeing little value in mere decorations, and un- agreeable. On the ground, too, of profit, it is which gives effervescence to our sparkling conscious of the union which may and ought certain that beauty has the advantage of deto subsist between utility and beauty, forego formity. Money spent, not in useless parts, to animal life. Under the benignant influence all considerations of taste, and rest satisfied idle splendor, meretricious decorations, but in of the sun's rays, however, this gas is highly with unadorned ugliness. Of the two we rath- imparting to a house those solid and useful charms to which we have alluded, will seldom We shall not be understood as rejecting or- fail to augment its market value; and this is a of vegetation derives almost entirely its supply naments. Used under the promptings and consideration that almost every one appreciates. of carbon; therefore you will perceive that the fertilizing substance of the male. When guidance of refined and severe taste, it must To make home comfortable should be our conalways add largely to pleasing effect. But let stant endeavor. It is there that our heart's it take and keep its own place. It is at best most sacred treasures are centered—there that element in the atmosphere, that might other—stamens and quite in the center of the flower,

## PLAIN TALK WITH FARMERS.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

IF a general knowledge of Geology is useful to the farmer, still more directly useful is a knowledge of vegetable Physiology.

His whole business is with plauts and animals. How important, theu, that be should fully understand the laws of their being, the materials that compose them, and the food upon which they best thrive. Let me glauce at only a few of the very curious things that a study of vegetable physiology discloses. Let me turn to the vast scries of pheuomena, exhibiting the intimate connection between the mineral, animal, and vegetable worldstheir mutual relations in the great cycle of changes, the interruption of which would reduce the face of the globe to the coudition it Take into consideration the chief functions of plants and animals, the sources of their good, and the character of their assimilatious and excretions. Thrust any plant into the fire, aud observe first the crackling aud spitting intakes 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 mineral substances, which the plant has during its growth abstracted from the earth, and which though minute as compared with the original bulk of the plant, constitute a large amount in the aggregate of a thick and serried crop. Thus a erop of potatoes abstracts from the soil about two hundred pounds of mineral matter per acre, while a erop of the beet roots, it is said, withdraws about five hundred pounds; and of turnips, still more. Now this large amount of mineral material is derived from the soil of which it has become a constituent part, by that long process of the wearing away of the rocks beneath, or that has been washed down from the mountains into the valleys.

The organic constituents of the plant burnt will explaiu. Our atmosphere, it has been discovered, cousists of a definite mixture of oxygen and nitrogen; in addition, there are prewines, but when breathed is so deadly a poison favorable to vegetation; and it is from the

Lichig, the atmosphere contains 3085 hillion of pounds of earbou, a quantity amounting to more than the weight of all the plants, and all the strata of mineral and brown coal existing on the earth. You will see, as you proceed with your investigatious, how close the analogy is between man and the vegetable. There is a circulation of fluids in vegetables, auswering to the circulation of blood in the mau. There is nutrition and absorption, as there is in the human frame; and as textures and secretions are formed out of the blood of man, so are they formed out of the sap in vegetables .-Man lives hy food, so do vegetables; man respires, so does the whole vegetable kingdom. There is vital heat in both. Man requires repose and quiet sleep; the sleep of plants occurs once in twenty-four bours. When darkness comes on, the flowers close, the leaf stalks beud either up or down, so that the flattened surface of the leaf is either elevated or dewas in hefore man appeared upon the surface. pressed, and the leaves fold themselves together. Some plants, too, like men, are noeturnal in their habits, awake in the night aud asleep in the day. And then there is another form of sleep, in which plants resemble a species of the ower animals, that is, sleeping dicating the dissipation of the water filling its in the winter time. With us, in our climate. pores and sap vessels. Notice then, that it almost all plants at the end of autumn become quite torpid until spring.

The distinction, too, of sexes amongst the plants, has been definitely established. The plant, or one part of a plant, is female, aud the other male; and there are male and female organs of reproduction. The female organs have the power of forming within them a little substance called the germ. The male organs have the power of forming within them a substance which, when applied to this germ, impregnates or fertilizes it. The result of the impregnation is, that this germ is converted into a seed. This seed is a vegetable in miniature, and if placed in the ground, put into such eoudition where it can have perfect health, and be supplied with appropriate food, it will heeome a perfect plant. These organs of reproductiou in a plant are always situate in the flower. Sometimes, as in the willows, one tree has male flowers, and male flowers only. In other cases, as in the vegetable marrows, each plant has both male and female flowers. female organs are contained in the same flower. one of these familiar flowers, you can easily reeognize within the five hright vellow leaflike parts, two distinct sets of bodies or organs. sent, as unfailing constituents, ammonia in Around the center, but not in it, are a number of long stalks with yellow heads; these organs are called 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 you examine closely, you will find a numamount in the atmosphere, that the vast mass her of minute yellow hodies secreted. They form a fiue dust called pollen; this pollen is plants perform a most important function in the anther is fully ripe it bursts, and the pollen the animal economy, hy removing a deleterious is scattered ahroad. Almost buried within the wise prove injurious to man. According to with the aid of an ordinary magnifying glass,



The Western wheat prospect is very encouraging. A very large breadth of ground was sown last Autumn, and, notwithstanding the unfavorable circumstances of early frosts, it stood well and showed firm rooting. The abundance of snow during the prescut winter, also, is an element of satisfaction in the matter, and unless the warmer seasons of Spring and Summer should develope unforeseen evils, we may reasonably expect to have an excellent erop the present year. Such a result will give great pleasure to the consumers of flour, who are becoming weary of paying two or three times the former price for a harrel of flour.





you cau perceive a number of green grains, make my position clear, and to state definitely These are earpels, or to speak more plainly, ovariums or seed vessels. These become impregnated by the pollen, and thus a seed is formed capable of producing its kind. But from the evidence before me, I cannot deny that before the germ is separated from its parent the profits are to a certain exteut uncertain. flower, a quantity of matter intended for its future food is stored round it; stareh and gluten aud albumen all eneompass it. Then, when a sufficient amount bas been collected, stored up, and the seed rendered perfect, the parent flower dies, the carpel splits, and the seeds are free.

The way in which these seeds are scattered is very eurious. Many seeds are furnished with wing-like expansions on each side, which, eatching the wind, are wafted to places far distant from that which their parent oecupied. Others, as those of the daudelion, are provided with very downy appendages, which the slightest breeze hlows from place to place. Other seeds are swallowed by birds, and pass unaeted upon, through their digestive organs .-Others again, fall into running streams, and are so conveyed to great distances; and even the sea is engaged in earrying to any near coral reef an ample supply of vegetation. So and waits. that calm race, 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 in reality committed the task of perpetuating not only vegetable but animal life. Upon their active 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 life of man himself. As England's laureate poet well

If Nature put not forth her power March, 1867.

## Morticulture.

OPEN AIR GRAPE CULTURE-NO FAILURE

Written for the Farm and Fireside, BY R. ROBINSON SCOTT, PHILADELPHIA.

I ESTIMATE the cultivation of the indigeuous grape as one of the most important and interesting 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 not those whom we might designate as uniuformed or casual observers. They were, on the contrary, those who claim to be informed specially as to fruit culture in their section.

Now, in view of the extensive interests involved, the large outlay incurred 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 judgment of even the majority of intelligent cultivators iu Eastern Pennsylvania.

I had promised to furnish bints for your paper on such topies, and thought this was one emimently calculated to awaken interest and promote increase of knowledge. Hence, the subject of Grape Culture, as a remunerative business, and its difficulties, was not entered upon in any dogmatic spirit, nor with any preconceived theories or hobbies by which the 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 with the single hope that by calm, deliberate inquiry 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. becomes me, however, for my own sake, to thin eovering is a great help.

that I am not one of those who believe that "Out-door Grape Culture" is a failure, even in this region of our commou country; though,

Having stated my deliberate conviction, it is not my desire to oeeupy one more line of your valuable space. I must, however, add that I have never refused attention to the importance of "atmospheric moisture," as an essential agent in luxuriant growth. I refuse, however, to admit that it is everything, or even more than auy of the many essentials to health aud luxuriance in the grape. Atmospheric humidity, depending on a just balance between heat and eold, or the absence or presence, in exeess, of disturbing currents, has been regarded by me for years as a elue to many vegetable diseases eaused by parasitic fungi, and diseases of the epidermis and plant tissues; but as our practical men say, of what benefit to us is this theory? How do you propose that we shall remedy these effects, the eauses of which are beyond our control? Then the Scientific man has the worst of the argument, and be labors

Again, I do not believe that the European systems, so deeply grounded in the vine cultivators of our large wine districts, are the causes o the moderate success that has been attained. I believe, on the contrary, that the more closely we approach the "elose pruning" system of Europe, the farther we are from success; and that we bave only partially succeeded, because necessity has taught the importance of the modification of that practice. And again, even the famous Kelly Island region, so well adapt ed by its climatic peculiarities, is not without discouragements, if I may credit what I read. But enough of this; I have stated, and I again state, that we may yet hope to see the culture of the indigenous varieties of the grape a suceess, if the true causes and principles are carefully studied and digested, and the practice based upon them is duly carried out. If we must only plant the vine in favored localities, with steady atmospheric hnmidity, such as the lake districts, theu, indeed, as far as the masses of our people are concerued, the culture 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 in the vineyard of the Vigneron, will yield its refreshing fruit by laps-full; at times reduced by un oward atmospheric influences beyond mau's control. To secure this eud, however, nature must not be too far thwarted-our forests must not be all laid prostrate, nor must greedy man lay too much of a hurden on the camel's back.

March, 1867.

THE PRESERVATION OF FRUIT TREES.—The Farmers' Club of the Americau Institute, of New York, recently held a meeting, at which a discussion 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 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 experience, The chairman remarked that, if this be a sure preventive, it was worth millions to the counrv. and we need never lack a supply of fruit

Fruit Trees.—A correspondent of the Seientifie American says that fruit trees should be mal do you maintain to be the primal origin of premium on imbecility. allowed to shoot out their branches near the ground, protecting the trunk and the soil from professor, evidently taken aback and coufused, ehanges of temperature and the loss of moisture. He thinks it never was intended that fruit should grow out of reach. It is stated that man family is the—is the—yes, sir—is the monfruit trees, especially apple trees, bear better key." "Now, I admit," said the clergyman, when the top branches are cut away and the limbs are permitted to grow lower down on the trunk.

In planting trees, vines, or anything else, As I had designed to follow up the topic, I never expose the roots to the air. Sun-light is fessor, was so uproarious that the gravity of made no formal correction of the error. It almost fatal, even when they are moist. A the parson required him to beat a hasty re- a farmer in California. His name is John Bid-

### PRUNING WHEN TRANSPLANTING.

WE consider it important to shorten back all fruit trees, shrubs and vines, when transplant-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 increased vitality and vigor to the remaining buds, by giving to them the supply that would have been devoted to those removed, had they been left to remain. There is, bowever, room for study in the practice of headingin, because of the vigor of growth and power of producing strong, new shoots being much greater in some sorts than others. The peach, for iustanee, may be cut back to within two feet of the erown, 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, each as many feet long, and with abundant lateral branches. Pursue the same eourse with the apple, and niue times out of ten the result will be only a few feeble shoots of four to six inches, with a dead tree the following spring. The pear, when worked on the quinee, will hear much more severe pruning back than when on the pear stock; and further, some varieties will endure more severe pruning than others. The grape, when eut back two or three buds, grows vigorously; but if left unpruned, it struggles a year or two, produces a few imperfect bunches, and is dead. These are some of the many variations that an observing horticulturist will notiee on short practice, and which will soou cause him to feel confidence in transplanting trees at any age, provided he be allowed to prune them back according to their age and habits. - Horticulturist.

To Raise Pansies From Slips.—The soil should be rotted cow manure, and leaf mold: a bittle sand, if the compost is a little stiff. -When the bed is prepared, it should be watered through a fine hose. The cuttings should 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 firmly around them, water, shade from the sun, and when they begin to grow, pinch off the tops of the shoots to encourage their making strong and hushy plants. Spring is the best time for propa-

## Fireside Miscellany.

### ORIGIN OF THE HUMAN RACE.

A LEARNED German professor, meeting with a parson of the church, remarked that "the Christian teaching as to the divine origin of the human family might do very well for old women and ehildren; but that men of learning know that the buman family is merely a 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 the present generation possesses many advantages unknown to our ancestors, such as the use of electricity, of magnetism, the power of steam, &c. If we go back, consequently, a dozen or twenty generations, we must come to a mere animal as the origin of 'the present race of man." "I am surprised," said the parson, "upon being means, rely on the ultimate triumph of right, asked a question, instead of answering it directly, that you only inflate your original proposition. Tell me directly," said he, with more than his wonted animation, "what anithe human family?" The gaunt and learned said, with great hesitation, "The primal origin? Why, sir, the primal origin of the huwith a profound how, "that you are a perfectly competent judge as to your own paternity, 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 pro-

THE SUNNY SIDE

WE advise everybody to live on the sunny side of their houses. The room in which the family spends most of its time should be on the side ou which the sun can find its way into it. Let the parlor, if it be seldom used, be on the shady side. We observe that there is not a 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 the afternoon put them in the west window. But perhaps she is eareful to keep her children in the shade, and her precious self, so far as possible, out of the rays of the sun. The plauts, in obedience to natural law, are kept healthy, while the children and mother, being kept in the shade, suffer in consequence.

Light is beginning to be considered a great curative agent. The chief advantage in going to the country is to get iuto the suushine, and to be in the pure hreezes. If we desire merely to keep eool, we should stay in the shady eity. People talk of "hot walls" and "buruing pavements;" it is much hotter in the country, for the hreezes that play there in midday only hring heated air in from out doors. But in the eity the breeze hrings 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

### NEVER GIVE UP.

Many a premature death bas occurred in consequence of giving up. The sick person becomes discouraged, thinks be is going to die, and dies. Friends think they have done all they eould, death is inevitable, and let disease take its eonrse. There can be no doubt but that in many such eases hope still eherished, and the perseveriug use of means, might have saved

So also in the struggles of active life. The first speech of Disraeli in the House of Commons, was a complete failure, his speech it is said being stifled in the derisive laughter of the House. He thus closed: "I shall sit down now, but the time will come when you will hear me." Numbers have sunk into insignificance imder a less rebuff. Disraeli was made of sterner stuff. Though it took him seveu years to recover from his disaster, he redeemed his promise, and on becoming chancellor of the exchequer, "clad in the same garments he had worn at the time of his renowned failure, delivered to a closely crowded assemblage the most brilliant aud the ablest budget speech that had been heard there since the days of William Pitt.

Every one should feel that be is immortal till his work is done. "Try again," is as good for the adult as for the child. If convinced that our cause is wrong, the sooner it is renounced 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 account. Such should ever be our aim. Use all honorable persevere in the effort to deserve success, and failure will never be inscribed ou your life work. The irresolute and half-hearted have no good to expect, for that would only be a

Many persons, especially ladies, are ignorant of the proper place in which to drive a nail in a wall when desiring to hang a pieture, &c. Examine the wainscoting around the bottom of the 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.

THEY are going to make a Governor out of



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 spring temperature, plants are springing up, fruit and other trees are putting forth 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 which adorn the vicinity of the Pont Neuf and the banks of the Seine, adjacent to the capital, are very forward; and lilacs, if the present mild weather continues, will shortly be in full bloom. Even the chesnut trees which have been transplanted to the park of the Universal Exhibition, exhibit the same degree of precocity.





## The Fireside Muse.

### THE FARMER'S FIRESIDE.

Around the fire, one wintry night, The farmer's rosy children sat; The fagot leat its blazing light,
And mirth went round, and harmless chat.

When, hark! a gentle hand they hear Low tapping at the bolted door And thus, to gain their willing ear, A feeble voice was heard implore

"Cold blows the blast across the moor, The sleet drives hissing la the wiad; You toilsome mountain lies before, A dreary, treeless waste behind.

"My eyes are weak and dim with age; No road, ao path, can 1 descry; And these poor rags ill staad the rage Of such a keen, inclement sky

"So faint 1 am, these tottering feet No more my palsied frame can bear; My freezing heart forgets to beat, And driftlag saows my tomb prepare.

"Open your hospitable door, And shield me from the bitiag blasts; Cold, cold it blows across the m The weary moor that I have passed."

With hasty steps the farmer ran, And close beside the fire they place The poor, half frozea beggar man,
With shaking limbs, and pale blue face.

The little children flocking came And chafed his frozen limbs in theirs; An busily the good old dame A comfortable mess prepares.

Their kindness cheered his drooping soul, And slowly down his wrinkled cheek The big round tear was seen to roll, And told the thanks he could not speak.

The children thea began to sigh, And all their merry chat was o'er; And yet they felt, they knew not why, More glad than they had felt before.

## The Dairy.

#### HOW TO MAKE BUTTER.

Written for the Farm and Fireside, BY CRAIG BIDDLE, ESQ., PHILADELPHIA.

A cow, considered in reference to this question, is a machine for the manufacture of cream; milk and fat are mere refuse productions, iucidental to the operation. To bave good cream, we must have a good machine, and must feed it with a material capable of being converted into the article we desire. The same machine which makes "sboddy," turns out the finest broadcloth; the difference of result is produced by the different materials, with which the machine is supplied. It is precisely thus with a cow; you may have the best breed in the world, but if you feed with "shoddy," you can only expect "shoddy" to be produced. No milkman who bas any character to support, ever resorts to the gross expedient 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 desired, and the labor of pumping is saved .-During the Summer season, when cows are at pasture, butter is almost invariably good; during 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 himself, 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 the wants of farmers; and are always endeavoring to recommend cheap mixtures which are to obviate the necessity of expensive feeding. This is absurd. A cow can exist on straw. and can probably enjoy life on straw and turnber 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 parsnips or carrots cut up in small pieces, if fed to your cow, will give you as fine Winter butter as can be produced. Of course, this food can be modified with fair results; but the more you deviate from it, the less satisfactory will be the product. You may substitute for some of the meal, ground oats, or middlings, or chaff; you may substitute turnips for the roots we bave mentioued; you may give secmarketable. If you wish, however, really fine ing the milk to a cheese factory.

hutter, don't be seduced from the path we have indicated; resist the flattering notices of oil cake; do not be deluded by cotton seed; scorn turuips and repudiate musty hay.

Having now a good cow, well fed and well

taken care of, we are prepared to say a few

words in regard to the comparatively unimportant process of converting cream into butter. There is a secret connected with this operation which we now wish to confide to our readers, for upon it the whole success of making fine butter depends. It is cleanliness. Not that cleauliness, the absence of which would be a reproach; not the eleanliness attending most household operations, but cleanliness to a degree of intensity almost hordering on the absurd. The churu, the pans and the butter bowl, should be sealded after every use of them, and all towels and straining cloths boiled thoroughly before being used again, In cleauing, use soda in preference to soap. When the milk is brought iu, fresh from the cow, the first thing to be done, is to strain it through a cloth or wire sieve, or better, through both. It should then be poured into shallow milk pans and placed in the milk vault. At the end of twelve hours it should be carefully skimmed, as little milk being taken up as possible, and at the expiration of twelve more hours skimmed again; twelve hours later it should be skimmed for the third and last time, even more carefully than before. Should the milk, bowever, have turned sour before the third skimming, it would be better to omit it. The cream from the various 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 have sufficient cream collected, ehurn-the sconer the better. In no event, keep cream longer than three days. The leugth of time required to produce butter depends a great deal on the temperature of the milk; if allowed to become very eold it will take some hours. As soon as the butter is formed in small Inmps, work the dasber back and forth until the pieces become united into lumps of some size hefore removing 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 same time to your taste. Let it now remain two honrs and work it thoroughly again; by this hay would be much cheaper. time the salt will cause the butter milk to run freely. After two honrs more, work it thoroughly for the third and last time; form it into shape and print it. The object of such thorough working is to get rid, entirely, of the butter milk; the smallest quantity of which, remaining, makes your butter raucid. Don't wash it out; it is easier, but it injures the flavor of your butter.

There may be cheaper ways of making butter—there may be other ways quite as good as the one we bave described-we have only undertaken to tell our readers of one mode; by pursuing which we can guarantee them butter of the very highest quality.

March, 1867.

Dairy Products of Vermont.—The quantities of butter and cheese shipped from St. Albans (Vt.) depot during the year 1866 were: Of butter 2,617,195 pounds, and of cheese 862,-The shipments for 1865 were: Butter 3,035,257 pounds; cheese 1,175,261 pounds. These fignres, at the first glance, would indicate a startling decrease in the dairy productions of Franklin county for 1866, compared ips; but with such food can do nothing for Messenger says the abrogation of the Reciprocity treaty in March completely cut off for the year an importation of butter for shipment Canadian importatious were included, the shipments were: Butter, 2,474,854: cheese, 623, 210 pounds. Heuce it appears that the butter production of Franklin county alone in 1866 was 145,000 ponnds in excess of any previous annual production combined with importatious from Canada; while the deficiency in cheese is only 40,000 pounds.

LIME IN DAIRY Soils. - During the discussions at Saratoga, last fall, on dairy farming, several of the speakers remarked that the best dairy regions were in those parts of the country where the soil is free from lime; and others asserted that good, long-keeping hutter could not be made from limestone lands. This position was disputed by a few of the speakers on that occasion. X. A. Willard stated in his recent able and interesting address before the New York State Agricultural Society at Albany, that the best dairy farms in England were those resting on the oolite formation, which is strictly carbonate of lime, like common limestone, but more easily disintegrated and worked up. We allude to this statement for the purpose of inviting further attention to hoth sides of this question, as it may yet prove one of much importance to decide. -- Country Gentleman.

## Various Matters.

#### 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. Horsfall, a great authority on agricultural matters, says,—"I am satisfied that the most economical use of food rich in albuminous matter, is to feed it with straw or other materials which are deficient in this element." Mr. Mechi, another great authority, says, "I have long since adopted straw as food, and should consider myself foolishly uuprofitable to waste it uselessly in open and wet farm-yards." The Rural World says, "Straw when early cut and properly cured, not dried, bas somewhat the quality of elover. But, oh, how neglectful are we about the curing of straw, when it is one of the finest employments! There is a fragrauce about such straw, and a pale green tint, which makes it a valuable and most pleasant fodder." Straw may be fed with advantage to all kinds of stock. It is excellent to mix with meal or feed with carrots, beets or turnips. If straw was properly economized,

#### HOW TO GET WARNING OF EARTHQUAKES IN JAPAN.

Earthquakes have been so prevalent of late in India, that they are now a topic of popular very simple mode of warning against these jufinite light of Heaven." sudden, often dangerous pheuomena. They long ago discovered that the magnet loses its attractive power a short time previous to a shock, and they have in every house a simple apparatus, consisting of a magnet suspended hy its own force to an iron bar, over a disc, or hemisphere of bell metal, on which it falls accordingly, and alarms the iumates, who have time to leave the walls before they are shaken. This plan could be easily adapted to a public alarm, we think, the weight of the falling magnet being adequate to ignite a pereussion fuse on a loaded cannon. We wonder it has never been tried in civilized countries, where earthquakes have of late been so prevalent. "Magnetic storms" have recently been observed by quakes are the harbingers and attendants of to the bride. It was as follows: epizootic pests. Is it unreasonable to suppose that concentrated gases of poisonous virulence which had been quite extensive. In 1864, when are discharged on the surface of the earth during these violent convulsions of nature?

ORIGIN OF THE TERM "GRAIN," AS A MEASURE of Weight.-A grain of corn or wheat, gathered out of the middle of the ear, was the ori- of the eelehrated traveller Lalande, has handed gin of all the weights used in England. Of to M. Drouyn de Lhuys, as President of the these grains 32 well-dried were to make one Society of Acclimatization, a snm of four penny weight; but inlater times it was thought thousand francs to found a prize in memory of sufficient to divide the same penny weight into her brother, to be awarded to the traveller A man in Massachusetts, who got \$20 return twenty-four equal parts, still called grains—be- who, by his discoveries, shall have done most ond class hay, and yet bave butter which is for each of three cows, got \$40 each by send- ing the least weight now in use-from which towards improving the food of the human the rest are computed.

#### FISH-CULTURE IN THIS COUNTRY

Mr. Genio C. Scott writes to Wilkes's Spirit that lish-culture in this country has recently sustained a heavy loss. Four thousand ora of the Rhine salmon were shipped to Mr. Seth Green, Mumford, N. Y., by the chief engineer of the Rhine works at Strasburg, as a present from the French Government. These were kept sixteen days in the New York Custom-House and when recovered were entirely spoiled. The product of these ora would have tocked two rivers.

Americans are beginning to understand the value of fish-eulture. Mr. Seth Green writes that he has on hand "young trout enough to stock all the ponds and streams on Long Island." Mr. Aaron Vail has been nearly or quite as successful. Over a dozen fish nurseries are in operation in the States of Maine and New Hampsbire. But although we are only beginning to appreciate this art, it is nevertheless a very old one. Mr. Scott says that it was either lost, or confined to the Chinese and the monks of an Alpine region for many centuries, until two French fishermen discovered it, and they were forthwith liberally rewarded for the invention by the French Government; and although it is not quite twenty years since fish culture received its first encouragement in France, yet game fishes of luxury there, are as cheap as the coarse fishes are here. In France the laborer, whose wages are not more than half the price commanded in the United States, may enjoy an occasional meal of salmon and green peas; while bere, none but the wealthy dream of indulging the expensive luxury."

It's Dark.—The following beautiful sentiments are from Meister Karl's Sketch Book, entitled the "Night of Heaven." It is full of touching tenderness:

"It is dark when the honest and honorable man sees the results of years swept cruelly away by the knavish, beartless adversary. It is dark when he feels the clouds of sorrow gather round and knows that the hopes and happiness in others are fading with his own. But in that hour the memory of past integrity will be a true cousolation, and assure him even here on earth of gleams of light in Heaven. It is dark when the dear voice of that sweet child once fondly loved is uo more heard around in murmurs. Dark when the pattering feet no more resound without the threshold, or ascend step by step up stairs. Dark when some well known air recalls the strain once oft conversation. Many of our readers are, doubt- attuned to childish voice now hushed in death! less, unaware of the fact that the Japanese Darkness; but only the gloom which now have, for centurics past, been cognizant of a heralds the day-spring of immortality, and the

AN ANECDOTE OF DEAN SWIFT.-The eccentric Dean Swift was walking in the Phœuix Park, iu Dublin, when a thunder shower came on, and he took shelter uuder a tree where a party were sheltering also-two young women and two young men. One of the girls looked very sad, till as the rain fell her tears fell. The Dean inquired the eause, and learned that it was their wedding day, they were on their way to the church, and now her white clothes were wet and she couldn't go. "Never miud, I'll marry you," said the Dean; and he took out his prayer-book, and there and then married them, their witnesses being present. And medical practitioners in Europe to be forerun- to make the thing complete, he tore a leaf ners of epidemics, cholera especially; and we from his pocket-book, and with his pencil with the preceding year. But the St. Albaus too, have often noticed that continued earth- wrote and signed a certificate, which he hauded

> "Under a tree, in stormy weather, I married this man and woman together. Let none but Him who rules the thunder Sever this maa and womaa asuader.

JONATHAN SWIFT, Deaa of St. Patrick's."

A Food Pr. zz.—Madame Guerineau, sister race.



Who is Old?—A wise man will never rust ont. As long as he can move and breathe, he will do something for himself, his neighbor, or for prosperity. Almost to the last hour of his life, Washington was at work. So were Franklin and Young, and Howard and Newton. The vigor of their lives never decayed. No rust married their spirits. It is a foolish idea to suppose that we must lie down and die because we are old. Who is old? Not the man of energy; not the day-laborer in science, art, or benevolence; but he who suffers his energies to waste away and the springs of life to become motionless; on whose hands the bours drag heavily, and we want the graph of closure. to whom all things wear the garb of gloom.





## The Field.

### POTATO CULTURE.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

FROM the Eastward course of the potato bug, this crop is annually becoming one of more interest to Eastern farmers, npon whom will soon devolve the necessity of raising for Western consumption, inasmuch as our entomologists give the potato bug twenty years to reach the longitude of Philadelphia.

Iu treating the subject, I propose to divide it into several parts; as, for instance, the preparation of the ground, kind of seed, manure, after culture and digging.

The kind of soil which seems best to suit the potato, is a rolling, mellow soil, inclining to the South; the soil should be deep and mellow, either natural or made so by culture. If planted on level land, they are more liable to rot, and other things being equal, will not make as good potatoes, nor as large a yield as ou ground sufficiently rolling to give free vent to water. The best article can only be produced from poorish land, made good by a liberal system of manuring; for while heavy, rich land may produce the largest yield, from a given area, it is at the expense of the quality of the

In order to be less impeded by sod in the preparation of the ground, I usually select the coru ground of the preceding year for potatoes; for it presents no impediment to deep plowing and subsoiling; and, at the same time, furnishes a large amount of undecayed vegetable matter in the form of corn-stalks and roots. The sod turned under the previous year, when plowing for corn, is entirely or nearly decayed; and 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 preparation of the ground. Some object to this 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 acre than to obtain the same amount from two acres, with twice the mauure and seed, and nearly the same amount of extra labor in

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' B. subsoil plow, following a common plow every furrow. Many object to subsoiling, because they keep but one team, and cannot hire one during the busy seasou, at the time of potato planting. To such I would recommend the plan of plowing the field in narrow lands, for by so doing, a round can be plowed on each laud before the team is changed to the subsoil plow; and the same number of rounds may he subsoiled hefore it is necessary to change back again. It "takes more time," it is true; but we must remember our national questiou "will it pay?" and not "how much does it cost?" If you have neither time nor teams, it would be better to cultivate but half the ground, as above. For the operation of subsoiling, oxen will be found better than most horses, on account of their patience and steady draft; although I have performed the operation very successfully with horses; but on my ground it tries their patience to the fullest extent—to say nothing of that of the plowman himself.

The Mapes' subsoil plow, if properly used, will, when following the common plow, fully fill up the open furrow with the pulverized subsoil before the next furrow is thrown over : thus thoroughly loosening up the soil to the depth of at least one foot; though in soil free to eight inches deeper; thus making a loose, mcllow soil, to the depth of from fourteen to sixteen inches.

manure is to be used, it should be applied be- plowman. A little more care in the prepara- lington, Vermont, raised six melons from two fore auything further is done, in order that it may be thoroughly incorporated with the soil. With artificial manure, my opmion is similar to what I have expressed with regard to the better to concentrate the application of the manure, as well as the labor of preparing the

out the rows, which can be best done by "back furrowing" the whole field; that is, by field, throwing two farrows up together into a find any difference in the crop; hut I know high mellow ridge; care must be taken that the earth of the second furrow is not thrown over the crown of the ridge iuto the preceding furrow; but a little practice will make both team and plowman expert in the operation; thus we will have the whole field or patch marked off into mellow ridges, each of which will leave au open furrow ou each side of it; the distance apart of the furrows and their regularity will, of course, depend a great deal on the expertness of driver and team; but after repeated measurement, after my own, and other teams, I find that the furrows do not vary much from thirty inches apart, and the the seed in the furrows. For a coverer, use a ridges about sixty.

If the potatoes are to be planted in hills, the most expeditious plan to mark out the rows in end, and you will find that they will be able to the other direction will be to attach three or take three ridges between them, and cover six more chains to a stiff pole; placing them the rows by walking upon those flat spaces; if one proper distance asunder to correspond with the width of the rows; a man at each end of the horses, when they arrive at the end of the the pole, by walking across the field, will mark row, may be turned back over the scautling 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 enough. With regard to this, I would say of the preceding "pass" will, of course, serve as a guide for the next "pass." With regard to the proper distance apart, I would say that working. after a fair trial of greater or less distance, I prefer the rows thirty inches apart; and the hills three feet apart in the rows; or iu other rowed two or three times, in order to thoroughwords, thirty-six inches by thirty; though the distance must in a great measure depend upon the kind of potatoes under cultivation. For the Cuzco, Early Goodrich, Monitor, the above distance will be found to be much more crowded than Mercers at two feet square; planted thirty-six inches by thirty, the tops of the Cuzco, Goodrich, or Monitors will occupy the whole 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 selection of seed, which is also one of much difficulty; for it is impossible, or rather improper for one correspondent to cry up any one variety as the one, to the exclusion of the tastes and fancies of others, and other localities; thus around Boston the Jackson Whites seem to be the standard; when, near New York, the Peach Blow claims its superiority; the Philadelphia market-man sets the highest value on the Mercer; while his friend at St. Louis holds on to the Buckeye, and wonders that the Yankees don't know enough to plant it. In fact, it is but another illustration of the use of the common plow. old proverb, "one man's meat," &c.

with others the case may be different.

With regard to planting whole seed or cut seed, large potatoes or small, and other differfrom stone, by thrining a furrow eight inches ent modes of cutting, I will defer for another deep, with the common plow, I have found no article; or I shall pass beyond the bounds difficulty in running the subsoil plow from six 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

tion of the ground, and less in the planting, will tell better ou the crop.

Tue most expeditious plan is to drop the set from a bucket. If the bottom of the preparation of the ground; viz.:-that it is furrow is in proper order, it will not roll far from where it strikes the ground, or if iu a few cases it does, the toot will readily put it in its place. A ter repeated experiments, the The next operation will be that of making only difference which I can see between laying the sets down and dropping them, is that iu the first case the sprouts come through the going "backwards and forwards" across the ground with more regularity, but I uever could that twelve hours' work at each method will cause a material difference in the feelings of the back of the operator.

> Having placed the sets in the furrows, the next operation is the covering; this I do by horse power in the following manner: six rows at a time. If I have been sufficiently explicit in my description of "back-furrowing," it days.—Hovey's Magazine. will readily be understood that between every pair of ridges we leave two furrows separated by a flat piece of soil which has not been disturbed by the marking-out plow; this furnishes a footpath for the horses without disturbing piece of scantling six inches square, by sixteeu to eighteen feet long; attach a horse to each passage does not level the ridges down enough aud repeat the operation. Some will probably object that this will not cover the seed deep that I would greatly prefer to cover as shallow as possible, and finish the covering by the after

As soon as the most forward of the sets show themselves, the field should be well barly destroy any weeds which may have started with the potatoes. Mauy of om potato growers do not seem to understand (judging from their mode of procedure) the importance of this operation. If it is properly done it will make the labor of after cultivation fully fifty per cent. less, and keep the ground loose aud frec from weeds. Even if this thorough harrowing does in a great measure keep down the weeds until the tops, by their shade, can fight their own battle, 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 consideration.

After trying various patented implements, I have found nothing hetterthan a common plow drawn by speedy horses, run directly under the row, turning out the potatoes at one operation. After picking up all that are on the surface, a hoe-harrow run once on top of the row will 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

The time of digging cannot, of course, be Each farmer must, of course, humor the fixed in a jomnal having so wide a circulation market for which he is raising, though a differ- as the Farm and Fireside; for the time proence in yield may much more than make up a per for one locality will not suit another. My hree hundred and twenty-five of Cuzco, or die, the potatoes hegin to deteriorate in quality, too late with the wheat erop.

March, 1867.

Hovey's New Minorca Melon.—A new and fine variety of the true Minorca melon, introduced originally into Canada, and grown and wind; a pale yellow, wet. A neutral gray colacclimatized there, so that the finest specimens lay them down as some do, in such a careful have been produced in the open air in that ing, an unfavorable one. The clouds, if soft, If barnyard manure is to be made use of manner. I have sometimes seen careful (?) northern climate, are now attracting univer- undefined, and feathery, betoken fine weather; (of the propriety of which I will treat here- farmers place every set cut side down with the sal attention, and have heen exhibited at the but if hard, sharp, and definite, foul weather. after), it must, of course, be covered by the utmost ease; and then turn every third furrow Provincial Show, carrying off all the prizes. Deep, unusual hues in the sky indicate wind cr common plow, and laid between the sur- down on them; but not till fifty per cent of These melons attain the enormous weight of storm; more delicate tints bespeaks fair weathface soil and the lower subsoil; hut if artificial the cuttings had been turned by the feet of the 20 to 30 lbs., and last year a gentleman in Bur-ter.

seeds, the smallest of which weighed 20 lbs., and the largest 261. They are of a round or roundish oval shape, and yellowish skin, very thickly uetted all over; and the flesh, which is very thick, is red, very rich, sweet and delicious. It succeeds under 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; several excellent seedlings have been introduced. Among all these, however, the Sebec has proved the most reliable, being earlier than the Goodrich, producing quite as ahunnantly, and of superior quality. It is similar in general appearance to the Jackson White, and is uudoubtedly a seedling from it, as it was found, we believe, iu a field where these were grown. It matures fit for the market in from 60 to 65

IMPOVED FARMING IMPLEMENTS. -THE New York Evening Post, remarking on the great improvement recently made in farming implements and machinery, gives some observations made in the West by way of illustration. A corn field containing one hundred and sixty acres was plowed, planted, and cultivated without subjecting 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 operation without involving the necessity of pedestrian exercise. When the corn is ripe it is cut and laid in rows by a two-horse machine -thus completing the cycle of machine cornraising. On the farm of which this corn-field formed a part, there was a field of timothy comprising seven hundred acres. It is the improved farm machinery which has rendered such extensive farming operations possible and profitable at the same time.

UNFERMENTED MANURE.-Many excellent farmers have an idea that manure to be most efficient in raising crops should be well-rotted; but this is a mistake. Manure loses a very heavy per centage of its real value by decomposition. Fresh mannre, dripping with animal urine, hauled directly from the stable on the land and plowed under, is worth nearly double that which has decomposed to a saponaceous consistency. When it is convenient for farmers to haul their manure on corn-ground from the stable as fast as it is made, it saves handling it twice, and forwards the work in busy spring time. No fears need be entertained that the atmosphere will carry off the strength of the manure if left on the surface. The only danger to be apprehended by this method, will be in case of the ground being frozen and coveruncover the remainder. If the ground is iu ed with snow and ice when the manure is applied; 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. - Germantown Telegraph.

DESTROY CATERPILLAR EGGS Now .- The Maine Farmer says that during this month the eggs of the apple tree caterpillar-which may difference in price; thus, in my own experi- rule is to dig as soon as the most forward tops are be found encircling the ends of the small twigs ence, while I cannot raise more than one hun- dead, and, on no account defer it after twenty- of trees-can be much more easily and comdred bushels of Mercers per acre, I can raise five per cent are dead; for as soon as the tops pletely destroyed than at any other time of the They can be readily seen, and by ch Monitors, without any extra manure or cultiva- and if a wet Fall should follow, there is great ing a warm day for the operation, with a light tion; so that for me, even at half price, the danger of rot and disease. As I usually fol-ladder upon which to ascend the tree, and a Cuzco and Momitor are most profitable; while low potatoes with wheat, I, of course, get small basket in which to put the twigs conthem up as soou as it will be safe, and not be taining the nests, the work can be performed most satisfactorily.

> Weather Signs.—A rosy sunset presages good weather; a ruddy sunrise, bad weather. A bright yellow sky in the evening indicates or at evening, is a favorable sign; in the morn-



The Forests of Maine.—The Maine Farmer calls the attention of the people of that State to the great value of its hemlock forests. The writer assumes that there are five million acres of land in that State covered with hemlock trees; that each acre will yield tweuty cords of bark; that the astringent salts or tan in each cord of bark, when extracted, is worth sixteen dollars; making sixteen hundred million dollars, as the value of this single item of the wealth of the forests of the Pine Tree State. He also expresses the belief that this imperishable extract can be delivered in Boston at five dollars, leaving a net profit of eleven dollars per cord on the bark.







# Farm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MARCH 23, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture,—DANIEL WEBSTER.

#### VEGETABLE MOLD.

An intelligent correspondent asks our "opinion of forest teaves as a fertilizer?" Had he inquired il carbon, oxygen, hydrogen or animonia were essential to vegetable aud animal existence, he could not have asked a more pertinent or self-evident question. The inquiry covers a wide field; and to reply in detail, we might wander back to the origin of soils, telling him that all soils were formed by the conglomerate debris of rocks; of a mixture of organic or inorganic matter, sand, gravel, clay and the remains of plants and animals. If the earth possessed no mold, vegetation 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

> "Wander darkling in the eternal space, Rayless and pathless, and the icy earth Swing blind and blackening in the moonless air."

we should, nevertheless, have a comparatively unproductive earth, and its present population would suffer from famine, and her "cattle on a thousand hills" would have to go without full feed.

An able writer says :- "Mold is the halfway house between the living and the dead. That tells a great truth-after deducting the poetic license. Vcgetable mold covers the whole surface of the earth. It is the mantle that hides her nakedness; that feeds her myriculturist. This vast accumulation of mold comes in part from forest leaves that annually posed. Of course, the value of all mold depeuds on its chemical composition, also in the extent to which its substances are retained. When mixed with mere earth

rocks-either by nature or by the plougshare, it makes the soil friable, renders il porous, and forests, which destruction is, in onr estimation, dark, aids the absorption of solar heat; it also drinks up the dews (the earth's perspiration), and is ever greedy for showers.

Vegetable mold, in its virgin state and strength, overflows with fertility. But it becomes exhausted by constant tillage; just as a man's pockets get drained of eash by frequent purchases. But the farmer who understands his profession, keeps up his stock of vegetable mold by ploughing in green crops; by putting a luxuriant crop of clover under the surface soil, thus renewing the original deposit of mold and carbon. Buckwheat is often "ploughed in" for the purpose of renovating 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 fertilizeronly grow stunted plants and trees, frequently small pines, and like species; while heavy, loamy land will produce the oak, hickory and chestnut. The leaves from the latter produce the best mold. Every farmer should collect all the forest leaves possible, put them iuto the compost heap and use liberally. We shall resume this subject hy and hy, and give our views on the hest method of collecting the wealth of our forest leaves, and how to manufacture vegetable mold.

bers, or commence at any time.

### PRESERVATION OF THE FORESTS.

The Michigan Legislature is considering the subject of preserving the splendid forests of that State. They supply so many lumber markets that vast tracts are being stripped, and her scientific men are of the opinion that adverse climatic changes are being thereby induced. The crops are deteriorating in quality, pernicious insects are abundantly developing, the winters are more severe, and the fertilizing rains less l'requent. These changes are partly attributable to the denudation of the forests. Europeau experience contirms the idea that the destruction of forests tends to

It seems somewhat contradictory that while in the populous districts trees are planted and teuded with a sort of reverence, and money lavishly appropriated by the city authorities for the creation and extension of wooded parks, "those breathing places for God's poor," the pioneers of the West are hewing down the forest trees without mercy or discrimination.

It is no wonder that the savans of Michigan have taken the alarm. Argument is no longer necessary to convince even the semi-intelligent classes, of the important part that lorest trees perform in the great play of hydro-vegetable harmonics; attracting the rain clouds, breaking the fierceness of the winds, and drinking in with their millions upon millions of leafy lungs, the deleterious gases in the air, and throwing out in their stead, abundant supplies of fresb, invigorating, life-inspiring oxygen, and in scores of other ways contributing to man's health and comfort. They are Nature's silent alchemists, working day and night in the great laboratory of the universe.

It is a pity that our forest sauctuaries are no louger invested with that reverence which was bestowed upon them by the ancients, who believed that each tree had its attendant uymph, and never dared to fell a tree without having first offered up an ejaculatory prayer to ads of plants; that fertilizes her valleys and the gods to forgive them the sacrilegious act. hill-sides, and is the great friend to the agri- If such reverence was superstitious, it was also poetical, and saved to them their forest trees. America has been, and is yet, noted for fall to the ground, that rot or become decomilits vast tracts of 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 promotes fertility. The color of mold, always a wretched piece of vandalism, they will be among the things that were, our soil rendered sterile and its physical surface shorn of its fairest ornament.

### NEW ENGLAND AGRICULTURAL SOCIETY.

The Executive Committee of the New England Agricultural Society, have decided that the next Annual Exhibition shall he held in Cranston, near Providence, R. I., on the 3d, 4th, 5th, 6th and 7th days of September next. This Exhibition will be in connection with that of the "Rbode Island Society for the Eucouragement of Domestic Industry," from which the invitation to the New England Society came. Col. Amasa Sprague has tendered the free use of his new Trotting Park, in Cranston, for the Exhibition. It embraces an area of seventy-five acres. The buildings, for spectators, officers and animals, are all new, better than stable manure, or the fertilizers of thoroughly built, and well adapted for the purcommerce. The leaves of some plants and poses required. The building for visitors will commerce. The leaves of some plants and poses required. The building for visitors will destruction of our property, will find that she trees possess more fertility—after decomposition seat five thousand persons, with protection has forced us into a rivalry against which she tion-than others. A thin, barren soil will from both sun and rain. Those who have cannot compete, and that she will have to draw seen this Park, allirm that it is not surpassed not only for supplies of cotton, sugar and rice, but even for hreadstuffs from the South." in the United States.

As this Exhibition will be larger and hetter than any ever before wituessed in Rhode Island, we trust her eitizens in general will aid the enterprise in every manner possible. The reputation of the State demands it.

California Wheat.—We are indehted to C. B. Rogers, Philadelphia, for samples of California Spring wheat. It is remarkable for its weight and productiveness-weighing full BACK NUMBERS.—We have complete sets of sixty-five pounds to the bushel; and on the the principal College, in Center county, will the Farm and Fireside, from the commence- Pacific shore yielding eighty bushels per aere! Into the ignored by the haste to start new, exment. New subscribers can secure back num- If it will do half as well as that in the Middle perimental farms. There is such a thing as trainer, died last week, at his residence on States, it should be sown by all our farmers.

### LOUISIANA A WHEAT-GROWING STATE.

ALREADY efforts are being made to reorganze the industrial interests of the South. Nothng is wanted but promptness and persever ince, allied with good judgment and better security to life and property, to inaugurate in that localtity an era of prosperity which will far surpass the wildest dreams of the old sla- ing "fifteen pounds!" very propagandists. The native resources of the South are abundant, and their proper development will furnish prolitable employment, for centuries, to millions of intelligent working men. The people are awakening to a consciousness of this fact; they will no longer receive, in explanation of their poverty, the ridiculous doctrine broached by the politicians, hat it arose from being systematically plundered by the North for years.

Judge Robertson, of Louisiaus, has recently made an elaborate report upon the resources ish red, of that State. Its most interesting feature is the expressed conviction that Louisiana is peculiarly adapted to the cultivation of wheat. He recommends caution in the selection of seeds, stating that the Mediterranean varieties would be most adaptable. The Judge is quite sanguine, and if the golden visiou he anticipates opens up to view, the rest of the agribecoming tiuctured with jealousy. We sub- pounds. join a statistical and prophetic abstract of the

"Wheat with us should be planted in September, October or November. It is a beautil'ul season l'or preparing the ground. It may then be reaped in the last hall of April and May, a time usually scleeted for making brick, on account of its lair weather. The daily quotations show that Southern flour, raised in Missouri, Tenuessee and Virginia, briugs from three to five dollars more per barrel than the best New York Genessee flour. Louisiana and Texas flour is lar superior to the Tennessee, Virginia or Missouri, owing to the superior dryness, and the fact that it contains more gluten and does not ferment so easily. Southern flour makes better dough and macaroni than Northern or Western flour; it is better adapted for transportation over the sca and keeps hetter in the tropics. It is, therefore, the flour that is sought after for Brazil, Central America, Mexico, and the West India market, which

A barrel of strictly Southern flour will make twenty pounds more bread than Illinois flour, because, heing so much drier, it takes up more water in making up. In addition to this vas superiority of our grain, we have other ad-vantages over the Western States in grain-growing. Our climate advances the crop so rapidly that we can cut our wheat six weeks before a scythe is put into the fields of Illinois; and being so near the gulf, we avoid the de-lays in shipping and the long transportation, the cost of which consumes nearly one-half of the product in the West. These advanta-ges, the superior quality of the flour, the carlier harvest, and the cheap and easy shipment, enable us absolutely to forestall the West in the foreign demand, which is now about 40,-000,000 of hushels annually, and is rapidly increasing, and also in the Atlantic seaboard

Massachusetts, it is calculated, raises not Massachusetts, it is calculated, raises not more than one mouth's supply of flour for her vast population. New York not six months' supply for her population, and the other Atlantic States in like proportion. This vast deficit is now supplied by the Western States, and the trade has enriched the West, and has built railroads in every direction to carry toward the Past the gold-producing grain. We ward the East the gold-producing grain. can, if we choose, have a monopoly of this immense trade, and the time may not be lar distant, when, in the dispensation of providence, the West, which contributed so largely to the uprooting of our servile system and the

PENNSYLVANIA AGRICULTURAL COLLEGE.-The Trustees of this institution met at Harrisburg, recently, and appointed a committee to procure an experimental and model farm, to contain one hundred acres, in the Eastern part of the State, and one in the Western, in persnanee with the law recently passed by the

This idea may be a good one, but we hope putting "too many eggs in one hasket."

### LARGE TROUT.

A CORRESPONDENT of the Turf, Field and Farm, recently asked the fishing editor of that journal, if brook tront ever grew to the size of eight pounds?" The editor replied that he onec captured a trout in the Androscoggiu river, weighing "nine pounds." Further, he stated that brook trout had been taken weigh-

Now, we cannot quite believe this. Brook trout never grow to that size. There are many varieties of the North American brook trout four of which ought, long since, to have been classed as distinct species. We have eaught, in the ponds and rivers of New England, some very large trout; but they were pond troutevery one of them-dull, dusky brown along the back; sides, muddy olive; some without speeks: others, dimly flecked with dull othrecolored spots, sometimes shading with green-

The genuine brook trout is marked with brilliant vermillion specks; a mottled horn color along the back; sides, silvery white, and nearly pearl white on the helly. It is entirely ditlerent from pond trout—this latter species may grow to the weight of "lifteen pounds," but we would rather see them than to take any body's word for it. We know that true brook cultural world will heartily rejoice, instead of trout, S. pontinalis, rarely reach over three

#### NORWEGIAN LABORERS IN TEXAS.

A 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 securing a number of his countrymen as farm laborers in Texas. He expects to arrive at Galveston with them, about the first of September. The Norwegian laborers are strong, robust, large boned men and women, and generally honest, sober and industrious. They are raised in humble circumstances, ohey orders promptly, and are "worked" in Norway, sixteen hours out of the twenty-four.

The contract with the planters for these Norwegian men and women is for two years, and is as follows:-

First year the agency expense (sixty-five dollars in specie, or its equivalent in greenbacks), clothing and food, and thirty dollars in specie to the laborers, men and women the same.

Second year, one hundred dollars and food and clothing for the men, and seventy-five dollars a year and food and elothing for the wo-

For mechanics the price is somewhat higher than for field laborers; and sueli particular servants as ean command higher prices at home, must receive a better recompense than above enumerated.

We see in this movement much that will prove advantageous to the "lone star State." The planters will be rewarded by increased erops through the labors of this hardy race, and not have their sensitiveness shocked by an importation of what they used to call "Northern white trash."

PLANT YOUR PEAS.—The latter part of March, in the Middle States, will do to put in peas. They require a low temperature to grow them to perfection; and, the sooner they are planted, after the frost is out and the ground settled, all the better. There are many good early varieties, among them are the Daniel, O'Rourke, Extra Early, and Tom Thumb.— We confess to a preference to the first; and they are generally the lirst to be had in our city markets. An advantage of the Tom Thumb variety is, that they require no hrush or stakes; they grow on a small space-in rows fifteen inches apart—and are suited to nearly all soils.

Our New England friends will not think of planting or sowing peas before next month. Jack Frost don't frighten peas much, yet there is little gained in putting them in until the earth gets warmed up by the Spring suushine. Fine stable manure is a good fertilizer, and so is bone dust, for every variety of pens. Farmers do not sow as many peas as they should; they are profitable as a field crop.

A Hiram Woodruff, the well known horse Long Island.



LITERARY ACTIVITY OF THE YEAR. - During the past year there have appeared 4204 new books and new editious. Religious books and pamphlets, 849; biographical and historical, 194; medical and surgical, 160; poetry and the drama, 232; novels, 390; minor fletion and children's hooks, 544; travels, topography and geography, 195; annuals and serials, (volumes only), 225; agriculture, horticulture, &c., 64; English philology and education, 196; European and classical philology, and translations, 161; law, 84; naval, military and engineering, 39; science, natural history, &c., 147; trade and commerce, 79; politics and questions of the day, 167; illustrated works, 85; art, architecture, &c., 34; miscellaneous, not classified, 359. Total, 4204.—The Bookseller.





## The Fireside Muse.

### THE HOME OF MY CHILDHOOD.

Written for the Farm and Fireside. BY MES. ANNA WHITING, ASTORIA. N. Y.

Twas a wood-brown bouse, near a mountain stream That sung and danced in the sun's bright gleam; Near by was a grove, where all day long Were heard sweet notes of the wild-bird's song

There was the bome of my childhood's hours There I sang like the birds, and gathered flowers, As I wandered free as a wild gazelle, O'er sunny hill and shadowy dell.

That wood-brown bouse seemed a palace fine. Draped o'er with many a clambering vine Where the morning sun peeped in to see The family group on bended knee

The perfumed breeze from the sighing pines Crept softly through the flower-decked vines, To kiss the baby's cheek, so fair, And play with its locks of golden hair The sweet, sweet dreams of those early hours, Were bright and fair as the summer flowers; But I dreamed not then, in my childish glee. Of the woes the future beld for me.

'Twas there a mother's pure love blest That little group in the family nest And ber cheerful smile, and tender care, And a father's love made earth seem fair.

In that brown house, there was ample room For the children to play, and the friends to come; But Death soon came with his icy kiss. And my mother passed to a world of bliss.

Ere long, my father slept by her side, And the children were scattered far and wide; And I am bomeless, sad and lone, While strangers dwell in that dear old bome.

## Fireside Tale.

#### "THESE WOMEN."

"THESE women!"

The young man said it in scorn, iu his pride of strength, his force of will, possession of advantage, and power in law; forgetting his innumerable needs; needs to come, if not then

felt.
"These women! I wish they'd stay at home where they helong. Shops and stores are no places for them. I never want them about the room. round a shop. I wouldn't work with them."

A young woman, hunting for employment, was just closing the door. She heard the first words, "these women!" spoken with such scorn.

These women! Why, are they not Godmade? Are they not the mothers, sisters, wives and daughters of the lordly men, and should they not he cared for, for their sake? It not, men suffer as well as they; each sin coming home in vengeance-each and every

The young woman heard it, and turned away more crushed by oppression than she had before been by want.

"These women!" she repeated half-hitterly, realizing a man's hurdens pressing upon her, a man's duties and necessities. She had not only bread, and clothes, and shelter to earn for herself, but a family to support, a mother, and young sisters, and hrothers-men that were 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, a steady purpose, every element of success, why could she not employ them all in remunerative toil?

Are not these what bring gold to men? Why 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, their meanest task-servants, kept as their dogs, even a soul and immortality denied them.

Did you ask what became of the young woman? I only know she turned away, hlushing with shame, tearful with sorrow. The man who made her blush and weep, saw as much as that, and laughed sneeringlylaughed and went on in his work.

was only his servant, her life an appendage to his: she lived only as he permitted her, fol- smiling and hopeful, but she don't know men way in the morning. We have wondered why lowing his ways in wifely duty.

But, at last, in a little cradle that rocked hefore his hearth, there smiled a pretty, hlue-if it never would be gone. eyed child into his face, that stirred his heart most strangely; the keen, flashing eyes soften- seems as if it never would get round the little what there was for tears in such a going-in flowers, they are accommodated, or inconveing, and then growing glassy with their tears. circuit of the clock. Flies! flies! when it the early morning from home to home-like nienced rather, with list slippers.

because she was a girl, too,—had opened a fount of tenderness hidden even from himself. tures; aud a woman's nature, a woman's destiny with it.

The strong man looked steadily into the little face, looked and thought what had been done for woman, and what might be, till all ing well how vain is almost every woman's womanhood changed for him; looked, and effort, how poor a woman's chance in every set his teeth, and knit his brows, and pledged thing, even in toil-a chauce that every man his streugth to spare her, to shield, and shelter, 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 moved him so—and what 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 shame, should hlight or sadden one woman's life-his daughter's .-Years and years he kept his oath. He toiled early and late to provide for her a future without waut. But ean any man do what he will? Is the future his? Can he spare a fate? Not eveu 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 veins. He could not lift himself. Weak as the weakest woman he lay, dependeut for everything upon a woman, his daughter. He had no other child; his wife was dead. 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 womau rule. But, by the great law of retribution, the hour of dependence is sure to all such.

"Mary, is the meal out?" said the sick man.

"Yes, father; why?"

"No matter, child."

"You want some gruel, father, don't you?" The man turned in his bed, and Mary turned her face away from him, and husied herself

A minute or two went slowly by, and then the sick man spoke. The girl had not courage. She had so often heard her father say that 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 stern necessity that she should do it uow-try to do it. She had been sewing slop-work, wearing out her very life over it, without heing able to supply her barest wants with her earnings. It would not do. The point of starvation had come; not even meal for gruel in the house. Her father had to propose it.

"Can't you get work in a shop, Mary? You'll 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

as she left him, saying a pleasant good-bye. But the father could not smile. His eye was glancing forward to see his cherished 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 anwer to the question, "Can you give me work?

What made him see another face just then, a 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 tears in the eyes, such as seldom were in hers? And then he heard something like his own son, lie away to the west. voice in a sneer, "These womeu!"

The spirit of a wronged woman had come as I do. She don't know life!"

Who says time flies? Why, sometimes it

span of life?

But time did move, and got through an hour; There was his face, his lip, and eye, and fea- and then another, more slowly than the first, till it was getting dark, and a tired footfall and shut out darkness and the storm. sounded on the steps.

> The door opened, and with a great weight aud pain at his heart, almost a despair, knowwould throw from him in disdain-the poor father tried to smile a welcome, tried to say dawnings together. cheerfully, "What success?"

"None, father; I could find nothing to do." "I feared it."

And then he heard a voice like an echo, saying, "These women!" and he responded, Aye, these women! God help them! What can they do?

"I'll go again to-morrow, father," said the daughter.

No answer, for the man knew well that the to-morrow was far away when work hy which she might live would be given to woman. And he had helped to keep it far away.

To-morrow come; the daughter again went forth to find some work by which she might earn bread. She weut forth to be again refused, and because she was a woman-nothing else. There was work for men, for hoys even -but none for her. She urged her elaims.

rather have men;" or a blunt and careless \_\_B. F. Taylor. 'no" met her everywhere.

What would become of her? What become of her father?

So faint, hopeless, and borne down with the heavy questionings why God makes life so hard, she dragged herself to her home, to her father's bed-side, dreading to hear again the question, "What success?" answered as it must be.

She had not to hear it. The dving man riveted his eyes on the poor worn child and muttered, "I knew 'twas no use. Let us die together! O God, let us die together!'

Then the eyes, still riveted, grew dim breath after hreath came quick; and when the poor girl had whispered something ahout hegging a little meal for gruel, a morsel of bread, he did not hear her. He was past want-

And his dying prayer seemed to have been answered. Not many weeks and his unsodden grave was opened to receive his daughter's corpse. She for whom in her woman's lot there had been so little opportunity in this poor life, had entered on the better .- Watchman and Reflector.

## Miscellanu.

## THE DEATH OF A CHILD.

IT went in the morning-a bright and radiant 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 over the ruin of the rainbow? That those words so heautiful, they should make so true, "and joy cometh in the morning."

Going in the morning! A glorious morning-wheu the sky is all in heauty, and the

to him and hung brooding above him, threaten- huge hearse melancholy with plumes and er. I have succeeded in making a solid cake Had not that young man a wife? His wife ing him iu his own daughter. "She'll get no gloomy as a frown-and we have thought not work, poor thing!" he groaned. "She went so should we accompany those who go a little Country Gentleman. they did uot take the little coffin into the car-An hour had at last gone hy. It seemed as riage with them, and lay it gently upon their houses to consume insects, and cocks and out a hosom or a cradle. We have wondered prevent the poultry from scratching up the

That little, eradled thing, only a girl, and takes so long to carry us through our little fair white doves with downy wings emerging from nether night and fluttering for eutrance at the windows of heaven. Never has there been a hand wanting to take the wanderer in

> 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 forbid; there should be morning sougs and not sighs; no tears uor clouds, but bright dew and bright

> Fold up the white robe; lay aside the forgotten toy; 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 child, waiting about the threshold of Paradise for the coming friends from home. Here the glad lips would quiver with anguish; the bright curls grow grizzly and gray; the young heart weary and old; out there, changeless as the stars, and young as the last new

The poet tells of a green bough rent by the tempest from the tree, and swept rudely along the breast of an angry river, and a mother hird with cries of grief fluttering beside it, for her nest and nestling were there. Ah! better to be wafted away from the earth than thus "We don't employ women;" or "We'd they should drift around the world in a storm.

### CURIOUS FACTS ABOUT WATER.

The extent to which water mingles with hodies, apparently the most solid, is very wonderful. The glittering opal, which beauty wears as an ornament, is only flint aud water. Of every 1200 tous of earth which a landlord has in his estate, 400 are water. The snowcapped summits of Snowden and Ben Nevis have 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 we hreathe contains five grains of water to each cuhic foot of its bulk. The potatoes and turnips which are boiled for our dinner have, in their raw state, the one seventyfive per cent. and the other ninety per cent. of water. If a man weighing 140 pounds were squeezed in a hydraulic press, seventy pounds of water would run out, and only thirty-five of dry residue remain. A man is, chemically speaking, forty-five pounds of carbon mitrogen, diffused through five and a-half pailsful of water. In plants we find water thus mingling uo less wonderfully. A sun-flower evaporates one and a quarter pints of water a day, and a cabhage about the same quantity. A wheat plant exhales, in 175 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 fluid is conveyed. It forms a delicate pump, up which the watery particles run with the rapidity of a swift stream. By the action of the sap various properties may be accumulated to the growing plant. Timber in France is, for instance, dyed hy various colors mixed with water, and sprinkled over the roots of the tree. Dahlias are also colored by a similar

How to FILL THE ICE HOUSE CHEAPLY .world is all in hiss; ere the dews have gone Although past the season for doing this work, to heaven, or the stars have gone to God! we give the gist of a correspondent's communiwhen the hirds are singing, and the cool winds cation on this subject, that our readers may are blowing, and the flowers are out that will thereby profit in the future:-"A great imhe shut at noou, and the clouds that are never provement upou drawing ice from two to four rent in rain and the shadows inlaid with crim- miles, I found, is my method of making it in the ice-house. I bring water in a pipc into the We have sometimes seen a little coffin, like house, and make it fall in spray before a wina casket for jewels, all aloue by itself in a dow on the north side during the coldest weathof ice 10 by 10 feet and four to six feet thick.

Paris Gardeners now employ toads in the laps, the sleeper there lulled to slumber with- hens in the gardens to eat the slugs; only to



The Peactice of Medicine.—There are times, unquestionably, when pills are good things; but generally, pillows are hetter. We are of opinion that the former have often got a little credit which fairly helonged to the latter. When a man is ill, the doctor tells him to go to bed and he contented; probably he gives him a little taste of physic; but quiet, a recumbent posture and temporary abstinence are, in very many cases, the successful remedial agents, after all. Giving pills is the way the doctor has of turning the key upon his patient, keeping him at home, establishing healthful hodily functions, and opening his mind to good





## THE FARM AND FIRESIDE AND THE PATRIOT FOR \$1.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we will send the FARM AND FIRESIDE and the WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is \$2.5). The Patrior is an old established family newspaper, with the largest circulation of any country journal in New England. S. S. FOSS, PUBLISHER, Woonsocket, R. I.

#### DISEASE OF THE EYES.

The 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 may lodge on the surface 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 movements of the eyelids, especially the upper one. Iu a case of this kind which came under my treatment, I removed the tumor with the knife, aud by a subsequeut application of caustie preveuted its reproductiou.

The little fleshy body, situated at the internal angle of the eye, is termed the earuneula laerymalis, and, iu cases where it becomes enlarged, it will be uecessary to reduce it by excising the superfluous part. But the eye is a delicate organ to operate on, and in cases of this kind the assistance of a regularly educated veterinary surgeon is required.

TAMING BEES .- The whole art of "taming bees" is embodied in the following:-

1st. A honey bee filled with "liquid sweets" will not sting of its own accord.

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 blowing upon them the smoke of spunk, tobacco or cotton rags.

2d. By coufluing them to the live, and rapping the sides of it lightly with a small stick. At first, the bees will try to get out, but finding that impossible, they will then rush to their stores and fill themselves with honey.—Bee Keepers' Text Book.

## Marriages.

In Lonsdale, 19th inst., by Rev. W. W. Sever, OWEN M. THAYER to ARDELIA, daughter of the late Steery Jenoks, all of Smithfield.

In Providence, 16th Inst., George W. Harvey to Miss Amey E. Phillips, both of North Providence. In Attieboro', 17th inst., Mr. William E. Dunham to Miss Mary Frances Clark.

In Carolina Mills, 17th Inst., Mr. Leander W. Tucker to Miss Amy C. Blanchard. In Hopkinton, Mass., 13th Inst., Mr. Charles Leland of Upton, to Mrs. Martha Foebush of Hopkinton.

In Milford, Mass., Mr. DEWITT C. GLEASON to HOPESTILL Holbrook; 12th inst., Charles A. Dewey, Esq., to Maei-tra N. Thayer, both of Milford.

In Danielsonville, Ct., 2nd inst., Mr. Arnold Adams to Miss Catherine Fitzgerald, both of Killingly.

In Thompson, Ct., Feb. 22, Mr. LUGIUS E. TRUESDELL, of Warren, Mass., to Miss Sarah E. Mills of Thompson; March 7th, Mr. Francis E. Burnett, of Dudley, Mass., to Miss Mary A. Hascarl, of Thompson.

In Mansfield, Ct., 3d inst., Mr. Isaao C. Barrows to Miss Austania E. Jacobs, both of Mansfield; Feb. 25th, Henry W. Larkham to Miss Emily J. Johnson, both of Mansfield. In Worcester, 13th inst., by Rev. E. W. Virgin, Peter Bruso to Miss Almeda Tainter, of Milhury.

## Deaths.

At Walpole, 13th inst., Join S. Stetson, only child of Joshua Stetson, aged 25 years.

In Concord, N. H., March 17, Rev. JACOB SANBORN, the well known Methodist dergymnn and presiding Elder, aged 78 yrs.

At Windham, Ct., 17th inst., ANNIE ROBRINS EDDY, wife of Prof. Henry A. Balcam, and daughter of the inte J. W. Eddy, of Newport.

In Willimantle, Ct., 4th inst., CLARISSA M., wife of John G. Keigwin, aged 34 years.
In Killingly, Ct., 8th inst., Susan, wife of Col. Wm. Alexander, aged 71 years; 9th, Ronana Tabon, aged 71 years.

In Nillville, March 16, CHLOE COOK, wife of the late George ook, in her 76th year. In Pawtucket, 12th Instant, Mrs. Annie Bradford, wife of Albert N. Almy, in the 26th year of her age. On the 13th Instant, Nature Effective, daughter of Albert N. and Annie B. Almy, aged 7 months.

In Fruit Hill, 13th instant, Miss Elizaneth C. Millar, aged 57 years.

In South Scituate, 13th instant, suddenly, ALBERT H. KNIGHT, in the 47th year of his age.

In Providence, 14 Instant, ALBERT CORLISS, In the 61st year of his age. Isth Instant, J. FISHER BILLINGS, formerly of South Walpole, Mass., in his 3sth year. 17th Instant, JOHN BYWATERS, aged 57 years.

In Foster, 9th instant, FANNY, wife of Elijah S. Robinson, aged 35 years.

In Anthony Village, 18th instant, CELIFDA WALKER, widow of Stephen Walker, aged 64 years.

In Peace Dale, 8th instant, Peter Sherman, aged 43 years. in reace Date, 5th Instant, Peter Sherman, aged 43 years. In Newport, 11th instant, Raymond P. Duffer, nged 66 years. 14th, John Bowman, nged 41 years. Mr. Bowman enlisted in Co. 6, 4th R. I. V., October 30th, 1861, at the formation of the company, and served his full term of three years. In Worcester, 15th instant, Lewis Smith, aged 63 years. 13th instant, Geonge S. only son of N. S. and Mary Taft, formerly of Milford, aged 17 years.

In Hopkinton, Mass., 10th instant, Mrs. Maymard Hayden, aged 64 years.

In Oxford, Mass., 9th instant, Melissa, Densmore, aged 23 years.

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending March 23, 1867.]

FARM PRODUCTS, PUEL, &c. \$38 | Wood 7 cord. \$20 | Beans 7 quart. \$10 50a12 50 | Potatoes. \$5a90c | Onions. GROCERIES, &c.

| GROCERIES, &c. | Fluit | Flu MEATS, &c. Beef Steak.... Beef, corned.... Tongues, clear... Mutton...

#### BRIGHTON CATTLE MARKET.

March 20th, 1867.

At market for the current week: Cattle, 1365; Sheep and Lambs 6219. Swine, 350.
PRICES. Beef Cattle—Extra, \$13.50\@\\$14.00; first quality, \$12.50\@\\$12.50; \$10.00
\$11.00\@\\$11.00 \Price 100 lbs (the total weight of hides, tsilow and drescal heaf).

ressed beef.) Country Hides, 9@9天c 等 lb. Country Tallow 7@7天c 等 lb Brighton Hides, 10@10天c 等 lb; Brighton Tallow, 7天@86

Brighton Hides, 10@10%c & B; Brighton Tailow, 7%@8c B; B.

Dry Sheep Skins, 62c @ \$1. Green Sheep Skins, 62c@ \$1 \$\frac{1}{2}\\$th. Caif Skins, 18 to 20c.

The quality of the Western Cattle, with the exception of a few lots, is not so good as that of last wedk. The trade bas not been very active. There has been some few very extra Cattle sold as high as 14%c \$\frac{1}{2}\\$ Bb, but most of the best Beeves brought 13%@14c \$\frac{1}{2}\\$ B.

Stores—There are but few Stores brought into mnrket at this season of the year. Most of the small Cattle are sold to slaughter, that are in a fair condition.

Working Oxen.—Sales at \$164, \$165, \$175, \$180, \$190, \$200, \$210, \$215, \$255, \$250, \$255, \$270@8275 per pair. Working Oxen have sold better for the last few weeks than any other stock in market.

Oven have sold netter for the last few weeks than any other stock in market.

MILOH COWS—Sales extra \$80a100; ordinary \$50 @ \$75.—
Store Cows \$35a50. There is a good supply of Milch Cows in market, and a fair demand.

Sheep and Lambs.—The supply is larger than that of last week. Prices are  $\frac{1}{2}$ 0  $\frac{1}{2}$ 1  $\frac{1}{2}$ 1 hower. We quote sales of lots at 6 $\frac{1}{2}$ 2, 7, 7%, 7%, 8, 8%, 8%, 9 @ 9%  $\frac{1}{2}$ 5  $\frac{1}{2}$ 5.; and \$3.75 to \$11  $\frac{1}{2}$ 5.

head, Swine—Wholesale, 7 cts. 智 fb; retail, 7% @ 8% cts. 智 fb. Fat Hogs—200 at market; prices 8% cts. 智 fb. There is not much csil for Store Figs, the trade is not very active, and there is hut a few in market.

# WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

GENERAL ADVANCE IN PRICES.

GENERAL ADVANCE IN PRICES.

Breadstuffs have heen excited and active, and prices have materially nutvanced. The demand has heen very general, and a part has heen for investment. We notice a material reduction in the stock of flour, which is now estimated to be under three hundred thousand barrels. The daily reduction in the stock is about eight thousand barrels in excess of the receipts. This fact has occasioned the excitement.

Wheat has also been excited, and prices have advanced from fifteen to twenty cents a bushel, closing very strong. The stock is reduced, and is estimated at less than 1,500,000 bushels.

Corn has been active under a speculative demand and more flavorable news from Europe. Frices have advanced ten cents a bushel, closing strong. The stock has been reduced to nbout 2,000,000 bushels, which is one of the causes of the excitement. Rye has advanced very rapidly, the increase reaching from fifteen to sixteen cents a bushel, and is generally withheld from the market at the close.

Oats have been nuch excited, and advanced about five cents a bushel.

a bushel.

Pork has been active, and advanced two dollars a barrel on new mess, and a dollar and a half on old mess. The sales of the week, for present and future delivery, reached forty-three thousand barrels.

Lard has improved slightly, and closes strong.

### NEW YORK WOOL MARKET.

[From the New York Ship List of the 16th.]

[From the New York Ship List of the 16th.]

The market is still unsettled, though sellers have the advance, Business has been upon a basis of the advance previously noted, and not in excess of present wants. There has been a slight improvement in the goods market, and to this extent the demand for wool bas improved. The sales include 200,000 lbs. State and Western fleece at 48@75 cents, as extremes; 200 bales pulled, 44@52c; 150,000 fbs super Lambs pulled, 42c; 150 bales Sheeps pulled, 44@52c; 100,000 fbs Texas, 26@32c; 29.000 bales westlza, reported 33c; 150 do, 32@44c—the latter price for extreme choice; 75.000 fbs California unwashed spring clip, 26@32c; 25 bales Kafmuc (Russian), on private terms; small parcels Donskoi, 32@38 cents (gold); one or two involces do. to arrive; 18,000 fbs domestic Noils, on private terms, and 25,000 fbs Canada combing, 72 cents. The market closes steady.

### NEW YORK LIVE STOCK MARKET.

NEW YORK, March 18.

Beef Gattle—Market 14.0 ½c lower; receipts 5248 head Quotations 13.0 17.6c, averaging 15 ½c; market dull.
Sheep in good demand at 8.0 9.2 ½c; receipts 11,559 head.
Hogs active and ½c higher; live 8%.08%c; receipts 14,233 head.

### BOSTON SALE OF STOCKS .- March 19.

ı	\$2,000 American Gold134
	\$5,000 U. S. coupon, 6s. I881
	\$1,600 U. S. 7-30s—1st series
	\$2,100 U. S. 5.20s—1865
d	\$1,000 U. S. 10-40s
	\$10,000 Boston, Hartford and Erie 7s 46
	10 Boston Water Power Co
	17 Eastern R R
3	5 Northern Railroad, N. II
	6 Old Colony and Fnil River R. R 97
	25 Vermoat and Massachusetts R. R 56
	20 Westera Ralfroad139
8	100 Vermont Central Railroad old stock

## Advertising Bepartment.

## Massachusetts.

GREGORY'S SEED CATALOGUE, will be sent gratis to any address. It contains over one hundred and tweaty varieties that I grow myself, besides many kinds imported from England and France, and procured of the most reliable seedsmen in the United States. Farmers and Gardeners will find in

NEW AND RARE VEOETABLES.

some of which are not to he found on the list of any other

seedsmnn.
I offer an opportunity for all to procure their BEET, CARROT, ONION, AND MANY OTHER VARIETIES

OF SEED, DIRECTLY FROM THE GROWER.

As the original introducer of the Hubbard Squash, Marble-head Manmoth Cabbage, Boston Curled Lettuce, and many other new vegetables, I invite the patronnge of the public. JAMES J. H. GREGORY, Marblehead, Mass, March 16, 1867.

### Rhode Island.

W. E. BARRETT & CO.,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS,

SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS.

STORE TRUCKS,

IMPROVED HINGED HARROWS, CULTIVATORS. ROAD SCRAPERS, OX YOKES, AND PLOW CASTINGS;

And Whoicsale Dealers in

Hoes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetable Cutters, Picks, Bars, Cnnal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S

MOWING MACHINES,

Whitcomb's Patent Horse Ruke, and the best Hay Tedder in the market. Prices low and Terms Cash.

OFFICE, 32 CANAL STREET,

March 23, 1867.

PROVIDENCE, R. J. we-tf

W. E. BARRETT & CO., PROVIDENCE, R.I.

Now offer at the LOWEST CASH PRICES,

2000 Sacks Frime Red Top.
500 Bags Prime Herds Grass.
500 "Western and Northern Clover.
1500 Bushel Prime R. I. Bent, for Pastures.
300 "Seed Barley.
3000 "Sering Red. Oats.
100 "Early Goodrich Potatoes.
200 "Early Goodrich Potatoes.
200 "Late White Peach Blows.
100 "Harrison Potatoes.
300 "Seed Peas.

Seed Peas. R. l. White Cnp Corn. London Hort, and Concord Pole Beans.

200 "Buckwheat.
200 "Buckwheat.
200 "Millet and Hungarisn.
White Dutch Clover, Orchsrd Grass, Onlon Sets, and a complete assortment of

Raised for us with great care, 200 Barrels dry ground Bone for Manure, together with all kinds of Farm Implements and Machiner, Wyo. Machinery. Send for Circular of Mead's Conical Plows and Share's Horse Hoes—and don't forget the number,

32 canal street, 32.

PROVIDENCE, we-tf =

## Philadelphia and New York.

 $\mathrm{R}^{ ext{ t HODES'}}$  super. Phosphate.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIC ACID. VALUABLE FOR EVERY DESCRIPTION OF CROPS.

Endorsed and recommended by Dr. EVAN PUGH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say

FULLY UP TO THE STANDARD, IN QUALITY.

and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHODES' SUPER PHOSPHATE.

YARNALL & TRIMBLE.

General Agents for Pennsylvania, New Jersey and Delaware

418 South Wharves, PHILADELPHIA. March 23, 1867.

TEXT-BOOKS ON BOTANY.

By PROF. ASA GRAY, of Harvard University.

THE CONSERVATORY OF FLOWERS IN THE NATIONAL PROPA OATING GARDENS AT WASHINGTON IS ARRANGED AC-CORDING TO THE CLASSIFICATION OF THESE BOOKS.

These books present the latest and most accurate principles and developments of the science, and have been recommended by almost every eminent Botanist in the country.

For comprehensiveness of scope, exactness and clearness of description, accurate and scientific analysis of plants, and beauty of illustrations, they have no equal.

THE SERIES CONSISTS OF

THE SERIES CONSISTS OF

HOW PLANTS GROW.—Coutaining a POPULAR FLORA, or an arrangement and description of common plants, both wild and cultivated. Illustrated by more than 500 drawings from nntire. LESSONS IN BOTANY AND VEGETABLE PHYSIOLOGY.—Illustrated by over 800 wood cuts; to which is added a copious glossary, or dictionary of botanical terms.

MANUAL OF BOTANY.—A comprehensive Florn of the Northern States, east of the Mississippi, including Viginia and Kentucky, arranged according to the NATURAL SYSTEM. To which is added Garden Botany, and 14 beautiful plates, illustrating the genera of ferns, grasses, etc.

\$55 MACHINE,

For EIGHTEEN new subscribers to the New York Observer.—
More than FIVE HUNDRED niready given away. Send for
sample copies and circulars.
SIDNEY E. MORSE, JR., & CO., 37 Park Row, N. Y.
March 23, 1867.

## Great American Tea Company.

## THE IMMENSE PROFITS

TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too mnny and too therefore organized THE GREAT AMERICAN TEA COM-PANY, to do awsy, as far as possible, with these enormous drains upon the Consumers, and to supply them with these

necessories at the smallest possible price.

To give our renders an idea of the profits which have been made in the Tea trade, we will start with the American honses, leaving out of the account entirely the profits of the Chinese

1st. The American House in China or Japan makes large profits on their sales or shipments—and some of the richest retried merchants in this country have made their humanne fortunes through their houses in China,
2d. The Bunker makes large profits upon the foreign exchange used in the purchase of Teas,
3d. The Importer nucles a profit of 30 to 50 per cent in many cases.

cases.

4th. On its arrival it is sold by the cargo, and the Purchaser sells to the Speculator in invoices of Lecu to 2.000 packages, at an average prout of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Tealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

2th. The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and wuste, and add the original cost of the Tea. It will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small dealers.

We propose to do away with all these various profits and brokerages, cartsges, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small profit to ourselves—which, on our large sales, will amply psy us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense signister, as ileigh fley leight ilen, at eir Wais-

Some parties inquire of us how they shall proceed to get up a club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as published in the pa-per or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mall and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be and mark the name upon them, with the cost, so there need be no confusion in their distribution—cacb party petting exactly what be orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by crufts

on New-York, by Tost Office money orders, or by Fairess, as may sult the convenience of the Ciub. Or if the smount ordered exceeds thirty dollars, we will, if desired, send the goods by

ed exceeds thirty donars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as beral we can afford. We send no complimentary package for Clubs less than \$20. Partles getting their Tcas from us muy confidently rely upon

getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse. The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

## PRICE LIST :

YOUNG HYSON (Green), \$0c., \$0c., \$1, \$1 10, best \$1 25 \$\pi\$ lb.

GREEN TEAS, \$0c., \$0c., \$1, \$1 10, best \$1 25 \$\pi\$ lb.

MIXED, 70c., \$0c., \$0c., best \$1 \$\pi\$ lb.

JAPAN, \$1, \$1 10, bast \$1 25 \$\pi\$ lb.

OOLONG (Black), 70c., 80c., \$0c., best \$1 \$\pi\$ lb.

IMPERIALI Green), best \$1 25 \$\pi\$ lb.

ENGLISH BREAKFAST (Black), \$0c., \$0c., \$1, \$1 10, best, \$1 20 \$\pi\$ lb.

\$1 20 % ID. GUNPOWDER (Green), \$1 25, hest, \$1 50. These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drink-

mind heatin, economy, and a man and the ing them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, heing composed of the best Foofaction, and solve the satisfaction of the best foofaction, and solve the satisfaction of the best foofaction of the best foofacti

### Customers can save from 50c. to \$1 per th by purchasing their THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH.

Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 3cc., 3cc., best 40c. per pound. Hotels, Saloons, Boardiag-house keepers, and families who use large quantities of Coffee, can economize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 30c. per pound, and warrant to give perfect satisfaction.

## Club Orders.

WASHINGTON, Pa., Nov. 10. IEEE.

WASHINGTON, Pa., Nov. 10. IEEE.

To the Great American Tea Company,
Nos. 31 and 33 Vesey-st., New-York.

Gents: I forward you my fourth order and could have
doubled it if I had collected any, as your Teas take the load in
the market, we feel it a saving of \$I per pound. Plense accept
my thanks for the complimentary package. Address by Express, Martin Linther, Washington, Pa.

MARTIN LUTHER.

itucky, arranged according to the NATURAL SYSTEM. To which	Nos. 31 and 33 Vesey-st., New-York.
is added Garden Botany, and 14 beautiful plates, illustrating	Contact I forward you my facility and a least to
the genera of ferns, grasses, etc.	
LESSONS AND MANUAL, -This work, in one volume, is the	doubled it if I had collected any, as your feas take the lead in
one most used as a complete class-book by students of botany.	the market, we teel it a saving of \$1 per pound. Plense accept
	my thanks for the complimentary package. Address by Ex-
STRUCTURAL AND SYSTEMATIC BOTANY AND VEGETABLE	press, Martin Luther, Washington, Pa.
PHYSIOLOGY Being a fifth revised edition of the "Botanical	
Text Book," illustrated by over 1,300 wood cuts, to which is	
added n full glossary or dictionary of Botanical Terms.	10 fb Young Hyson, in pound packagesat \$1 25\$12 50
MANUAL OF BOTANY, WITH MOSSES AND LIVERWORTS	25 fb Yonag Hyson Dallas Jacksonat 1 25 6 50
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M. D. The plan of this work is nearly the same as that adopt-	1 15 Young HysonE. Dyent 1 25 1 25
and by Prof. Court and work is nearly the same as that adopt-	
ed by Prof. Gray, and presents a systematic arrangement of	
the Phienogamons and higher Cryptogamons Plants of all the	1 fb Young Hyson Samuel Amon at 1 25 1 25
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lishers.	2 th Young HysonJohn Allenat 1 25 2 50
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715 & 717 Market Street, MAN & CO.,	
PHILADELPHIA.   47 & 49 Green-st., New York.	2 th Young HysonO. Baylandat 1 25 2 50
March 23, 1867. 1w-ee-11	2 th Oolong, bestO. Baylandnt 1 00 2 00
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TAKE YOUR CHOICE!	2 ib Young HysonEdward Murphyat 1 25 2 50
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GROVER & BAKER OR WHEELER & WILSON	25 fb Oolong, bestHenry Hullat I 00 5 00
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\$55 MACHINE,	5 9 In Gionna Consecratiocharate bacangeritat 59 1 49

We call special notice to the fact that our Vesey-st. Store is at Nos. 31 and 33 Vesey-st., corner of Church-st .-- LARGE DOUBLE STORE.



Definition of a Gentleman.—A gentleman is but a gentle-man—no more, no less; a diamond polished that was a diamond in the rough; a gentleman is gentle; a gentleman is modest; a gentleman is eourteous; a gentleman is slow to take offeuce, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a gentleman is slow to surmise evil, as being one that never gives it; a ge Doane.





## The Stock-Yard.

SWINE, THEIR BREEDING AND MANAGE-

Written for the Farm and Fireside, BY JOHN DIMON, POMFRET, CONN.

IT is with pleasure that 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 first, but as I have "swiue on the brain" today, it is of swine that I shall write.

1st.—Breeds. As regards breeds of swine, there are at the present time in this country, to hreeds, viz. :-

YORKSHIRE, a rather large, uot coarse, white breed, from Yorkshire, England.

CHESTER Co., or Chester White, a large, rather coarse hreed of white hogs, which have originated within a few years in Chester co., Pennsylvania.

Essex, a middle sized breed, very beautifully formed, of a satin black color, from Essex, Eng., and comparatively new in this country. They dress white, are good feeders and thrifty; are also much more hardy than some other breeds, and are said, by those who have given them a trial, to be the very best breed for the farmer. I am at present experimenting with breeds for breeding purposes.

SUFFOLK, a small breed, white, beautifully formed, easily kept, not over hardy, but good to cross with larger breeds; always crossing by putting a Snffolk boar with the larger sow.

never given them a trial, but think I should prefer the Essex.

LINCOLNSHIRES are a white breed, with long, straight bodies, round carcasses, fine skins, and few bristles. They are said to he a very good breed for crossing, and some like them well as a 'oreed.

Chinese 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 become a really profitable animal in this country. They are very fine and small, and will fatteu readily on a small quautity of food. Their flesh is not the best pork, as it is often too fat aud oily. The pigs make excellent roasters at three weeks or a month old, but the sows are bad nursers, and as a breed they are, I think, unprofitable for our farmers.

Much has been said about the profits of swine. As to their profitableness or unprofitableness, 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 mauufacturer, however skilled, can manufacture goods of any kind without 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 muck, loam, straw, old hay, &c. Keep a part of them on the stable manure in the barn cellar or sheds. A successful breeder for the sows and pigs to run in, with plenty of vermin. Pour boiling water over the roofs, the sward and destroying the feed.

For hreeding purposes, I should select my whole. stock from a large litter, and the very hest in from parents not akin. In crossing a small amply repay you for keeping their houses sernwith a large breed, let the female he of the pulonsly clean. large, and the male of the smaller breed. Take much pains with the breeding stock of swine; it will pay better in the end. I prefer my do well, rather than risk a young one.

As regards the profitableness, or the best method of feeding store hogs, much depends on the circumstances of the feeder, as it is generally hetter to feed what one has than to buy feed, and a hog will eat almost anything. You should never stint a pig so as to retard his growth; for if you 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 be obtained off the farm. Some of my neighbors consider them the most economical feed to buy, and many tons are annually fed in Windham county. For fatteuing, I prefer Indian corn and Barley meal mixed in equal quantities, having it ground together; then close up, say for the my knowledge, seven, and but seven, distinct last two weeks, on clear corn meal, with the exception of an oceasional feed of old corn, which has a teudency to harden the pork. But whatever you fatten with, it will he better to commence to fatteu early, aud oue year with another, it will be most profitable to kill early. There may, however, he au occasional exceptiou to this, as to all general rules. Better have the hogs fatteued and ready to kill as early as the weather heeomes sufficiently cool "to keep the pork fresh," till consumed, say from November 10th to December 1st, sure. Butchering hogs is a joh that almost every farmer dreads. Scalding is rather a nice point for those who do not understand it; but it is a very easy matter to have a "good scald" every them, having receutly purchased five thorough time, if you only know how. My rule is, for two good logs, have just eight pails of boiling water; he sure that it boils, and to this add one and a half pails of cold water, and use immediately. If a little powdered rosin, or a little wood ashes be added, all the better. Bernshires are a medium sized, speckled With such a scald, I will warrant a black Essex breed, and are highly prized by some. I have hog to dress white and clean. I have more I wish to say on swine, hut rather than make my coutribution too long, will, if agreeable, write more at some future time.

March, 1867.

"Colorano Fowls."—This new description of fowl is creating quite a sensation in the vicinity of Newton, where the hirds first made their appearance some few weeks since. Their chief peculiarity is their color. They are of bright magenta hue, and the pair we inspected were more gorgeous thau an Italian sunset. Hen fanciers, we understand, state that these birds are apt to change their color, and that at certain seasons they turn white, while the power of transmitting the brilliancy of their plumage is doubtful. A dollar a piece, however, has been offered for the eggs. A resident of Auburudale proposes at the uext hen show to exhibit a pair of Prnssian fowls which he warrants will be as blue as State street after a heavy deeline in the stock market. - Boston Journal.

Mr. W. C. Schofield of Coventry, Vt., has two Leicester ewes which, for the past three years, have each hrought him two lambs 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 also eight cows, from which he has made, since the first of April, 1200 pounds of hutter, and reared four calves. The butter brought him \$490.22. So says the Vermont Farmer.

POULTRY HOUSE.—Eggs, and hens too, will should have well fenced lots of suitable size be scarce, if the poultry house is infested with grass in Summer. It will then be necessary and indeed, into every crack of the building, to keep the sow rung, to prevent her rooting up if you can, then wash clean with strong soap suds, and when this is dry, whitewash the

Catch the fowls and rub a little grease un-

Care of Cows .- It is necessary to see that eows are well fed and have a little extra attenthat pinches the food of domesticated animals. dry enough for shearing.

#### CHEWING THE CUD.

RUMINATING animals gather their food rapidly, give it a few cuts with the teeth and swallow it. It goes to an interior receptacle where it is moistened; this is very essential if it he dry hay. When the animal has filled himself, he masticates the food thus stored away iu his stomach, raising it end by cud. When a portion is completely masticated it passes to another receptacle and the progress of digestion goes on. Thus an ox if left to himself, will raise and masticate all his food thus stored away in his stomach. If he he pushed and worked hard, and does not have time to mastieate, he falls off in flesh, his health is poor, his digestion is incomplete. The horse, ou the contrary, however much in a hurry he may he, must masticate each monthful hefore he swallows 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 minntes 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 stomach in which to hastily store away the food without mastication; this may perhaps be regarded as a wise provisiou of nature, enabling them to sally forth where the food is plenty, and in a short time fill themselves and retire to a place of safety to ruminate their food at their leisure.

PROFITS OF COARSE-WOOLED SHEEP.—A correspondent of the Country Gentleman, in giving some excellent hiuts in regard to the care of sheep, states indirectly the average number of lambs 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

PRODUCT OF FOUR COWS .- The Massachusetts Plowman states that a farmer in the westeru part of that State sent to Boston, dnring one year, as the product of four cows, butter for which he received \$399.98, besides supplying a family of six persons, and the company the family had during the year, with all the hutter aud milk they needed.

Sniffles in Sheep.-Mr. William P. Hayden informs the Maine Farmer that equal parts of garget-root, alum, and tohacco, steeped together, will cure the sniffles or nasty nose iu sheep. It should be forced up the nostrils with

Ax old and experienced farmer says that swelled jaws in sheep can be effectnally cured by rubbing the inside of the jaws and mouth with a mixture made of alum and salt, equal parts of each.

WOOL FROM AUSTRALIA. - The product of wool in Anstralia is very large, and hitherto all of it exported has been sent to England. The Anstralian merehants, however, intend to try an experiment, and are about to send a ship load of wool to New York, to see if a market for that staple can he opened in the United States.

"DAN RICE."-This powerful stallion, who took the second premium in the \$1000 purse at the Hartford National Horse Fair last Fall, has been purchased at high fignres by Mr. Sprague of Rhode Island. Oliver Marshall, of Boston, offers to match him against 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 the litter, having reference, of course, to the der the wing, on the head, and tonell values on exhibition at the rooms of the Massachnbreed I wished to propogate, and should hreed places on the hody with it. The fowls will setts Hortienltural Society on Tremont street. It was raised on the Azore Islands and weighs thirteen and a quarter pounds, and is thirty inches in circumference.

SHEEP, in Germany, hefore being sheared, ing sow that will raise two good litters of ten the hay may be of a poorer quality, they will ash. After cooling, water is sprinkled over the hay may be of a poorer quality, they will them until the wool is white and the world than when poor. It is a solution and the cooling that the hay may be of a poorer quality and the hay may be of a poorer quality and make all the clothing for the family, and much better quality, and much better quality

## Advertising Bepartment.

### Massachusetts.

COUTH DOWN CO.'S PATENT

# ${f SheepWashTobacco}$

SCAB, VERMIN AND FOOT ROT should be used by all Farmers on

SHEEP, ANIMALS AND PLANTS This pure preparation bas been successfully used for ears, and never fails to produce the desired effect when used

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep.

It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wasb, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wbarf, Boston, Massachusetts.

For sale by Kendall & Whitney, Portland, Me.; N. S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS.

CASH ADVANCES MADE ON CONSIGNMENTS. 233 State Street, and 130 Central Street. Boston.

NONPARIEL FRENCH GUANO.

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-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRICE \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

### Rhode Island.

MAUPAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

FARMER WANTED.—A faitbful and skullful farmer is wanted to take charge of a farm. His wife to understand making butter and the care of poultry.

Address Box No. 3,

Providence Post Office, 3w6.

BARRETT'S EXTRA EARLY CABBAGE,—The best and largest in the market. Price, 25 cents a paper. Raised and sold by W. E. BARRETT & CO. Providence, Feb. 23, 1867.

A GRIEULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer A in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares a Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden A in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators. Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Sbovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

ROAN SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & Co., 32 Canal Street, Providence, R. I.

HUBBARII, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agents. W. E. BARRETT & CO., 32 Ganal Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I. Written for the Farm and Fireside

W. E. BARRETT & CO., Manufacturers of Mead's Pater Conical Plows, Sbares' Patent Horse Hoes, Chase's Two Horse Potato Higgers, Lufkin's new Side Hill Plows, Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Can

WHITE FRENCH TURNIP, of the purest kind, raised an sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

## Pennsylvania.

MENNENHALL'S IMPROVED SELF-ACTING II A N D L O O M.

In these days of SHODDY, and bigh priced goods, every family in the country should have one.

HALF THE COST

of clothing a family can be saved by its use. It is simple and durable, easily understood, and easy to operate. No skill is required to weave with it beyond the simple turning of an easy crank.

The From 15 to 35 YARDS OAN BE WOVEN ON IT IN A

FARMERS!

Also, Dealers in Cotton Warp, Wool and Flax Filling Yarns, Reeds, Harness and Loom findings generally.

March 2, 1867.

p.kw-tf



THE FARM AND FIRESIDE is devoted to Agrienlture, 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 Puhlisher will he to make a journal emincutly 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 its columns this journal will advocate the best interests of the farm and fireside. Terms—\$2,00 per year, in advance. Single copy 5 cents.



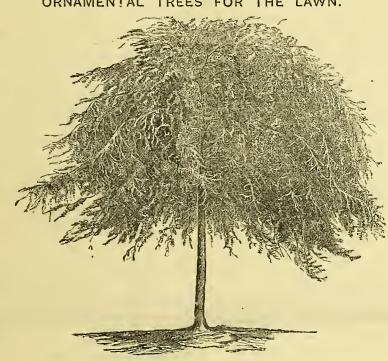
DOLLARS PER ANNUM, IN ADVANCE. S. S. FOSS, PUBLISHER, MAIN STREET.

VOL. 1.

## WOONSOCKET, R I., SATURDAY, MARCH 30, 1867.

NO. 12.

ORNAMENTAL TREES FOR THE LAWN.



THE "WEEPING LARCH."

WILLE we'do not propose to devote an undue amount of space to the ornamental department of gardening, desiring rather to promote the family comfort of the farmer by inducing lum to give a little more of his attention to the production of choice esculents and healthful fruits-yet the moral effect of neatness and heauty must not he overlooked or undervalued. 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 by such objects of heauty as the "Weeping 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 Larch, of which there are both American and European varieties, is well known 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 Larch is remarkable for its erect trunk 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-trees. The tree, when well mauaged, is one of the most graceful of our Weeping Lawn Trees.

## The Field.

"WHAT CROPS SHALL WE RAISE ?"

Written for the Farm and Fireside, BY W. H. WHITE, SOUTH WINDSOR, CONN.

In No. 10 of the Farm and Fireside we have given us the opiniou of one of its correspondents on this question. Perhaps-without a perhaps-it is for the best that our farm population 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 one should agree, and aet upon the idea, that it was best for all to raise a certain set of crops, and those if no market, or a glutted one, where would be the profit? No, I helieve with the majority, to profit in the shortest possible time. It is a this climate. Now, should one occupying soil toes could possibly have been peddled out at In a short time the moles will disappear.

known and acknowledged fact that the products of the agriculturists are less frequently and sows, and makes but one exchange in the year, and often not that; while the merchant, manufacturer, etc., is constantly exchanging from one hand to the other, and from that to

The soil of New England, in general, is a hard yet variable one, and having been long injudiciously cultivated, by former generations, the present generation find their ingenuity and energies largely taxed in order to produce paying crops, and keep up the fertility of the soil. Much of the soil is so sterile that it cannot only, where would they find a market? And well be tilled, and is suitable only for grazing

suitable only for grazing, attempt to raise to- eighty cents per hushel, which would give for or raising, with the majority, one set of crops, he would be unapt to succeed in obtaining the tohacco from principle; might they not as well object to raising, heyond what is needed for domestic use, rye or potatoes? hecause they, or their products, are made an article of abuse. So we might object to raising many products of the soil, as well as of the loom, and other than the potatoes left it. mauufactures that we could well get aloug without; and many of them we should he the hetter off without. Tohacco and liquors, ahused in their use, are the cause of much is much the least, for who ever heard of any one committing a crime under the influence of tobacco 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 allow me to say I am no stickler for raising toper 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 produce nearly as many hushels to the acre as the higher priced, the great difference in value heing in their location. Roots, potatoes etc., are very justly recommended as valuable crops for the farmer to raise, by your correspondent, and we could wish to see them very generally raised to feed to stock, to give variety and lengthen out our fodder crops. I think that the prejudice against raising potatoes on account of their rotting, is not the only objection why they are raised in less area than formerly. The fact is, the potato has been cultivated in such a negligent, unnatural way in former years, that we are now suffering the penalty in diseased and diminished productions. I cau recall the time when, with rather negligent folder, populous cities rise and the surplus that four hundred hushels per acre of good mealy potatoes; now it is rare that as many as two greater supply of agricultural products, thus the hest culture on the hest soil. Au iustauce turned over in their hands than the products hundred bushels. How was it done? I hear agricultural production, but to endeavor to you ask. First, he is one of the most skillful, eareful farmers among my acquaintance; he believes that changing seed from one locality crop needs a soil stored with plant tood on which it may draw. The ground planted had been manured high and set to tobacco for two years previous, 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 But if it he plaster, thinks it should be done in the same land would have produced as skill-a wet time in April. fully cultivated and planted to tohacco. Wel mauured, it would have grown thirty-seven or wood; other portious are well suited for hundred pounds, while the extra cost of maarable culture, capable, under the hand of nuring, cultivating, etc., would not have been that we should raise the crops which our land skilled lahor, of producing good crops of any over \$200 per acre; say for the one and a half

baceo, he would in all probability meet with the four hundred hushels, \$320, as the whole failure; or should the one occupying the best product of the land, setting aside the expense arable soil, occupy it principally for grazing, of production, etc. The thirty-seven hundred pounds of tohacco would have sold at the least for twenty-five cents per pound, amounting to greatest profit. Some may object to raising \$925, and coming in one lump, it does not "go for shoe strings," or come in driblets. Deduct the \$300 extra cost of manuring, culture, etc., and we still have \$625, and at the close of the season the soil is in much better condition for grain, grass, or any other crop

One advantage 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 on one evil, especially the latter. Of the two, tohacco crop begets it on another. As to its heing a sure crop, we know from experience in the Connecticut Valley, that it is as sure as any crop we raise. Although the lahor is great, and much of it disagreeable, yet the money it hrings is as useful and good to us as if produced in a more agrecable way. In conclusion, baceo, never having used it or fancying the use of it in others; but give us any other crop or series of crops that will give the same profit, and we are ready to ahandon tohacco. I would add, we plant too many acres to the various hoed crops, sow too many acres to the various cercals, and mow too many acres for the help we have, and the return 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 ahaudoning any 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 falliug off, or seeking new channels for her surplus productions, and as the country grows culture, no uneounmon product was three or now reaches New England will greatly diminish. Mauufactures will rise up, demanding a hundred and fifty bushels are produced, with diverting a large proportion of products which have heretofore sought Eastern or other marto illustrate this occurred with one of my kets. It then becomes a wise and prudeut neighbors: during the past year he planted one people not to abandon, or blindly rush into and a half aeres in potatoes and obtained four the production of any one, or staple article of amend and increase our productions, and to diversify our products and pursuits; for we find that that people are the most surely prosand soil to another is beneficial, and that a perous whose pursuits are the most diversified. March, 1867.

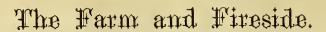
> Top Dressing.—The Ploughman is in favor of top dressing grass land either directly after the crop is taken off or later in the Fall, if the dressing be barn-yard manure or compost.

REMEDY FOR Moles. Cut apples or potatoes in pieces about the size of a pea, and roll them in strychnine or arsenic. Then make several small holes where the moles ruu, and and soil are best suited for, and can be turned kind of produce capable of being grown in acres, \$300. Now for the results; the pota- drop one or more of the pieces in each hole.



THE TALLOW TREE.—This tree, indigenous to China, has recently been introduced into India, and there are now tens of thousands of trees on the government plantations. The tree fruits abundantly, both in the Dhoons and on the plains, and grows with great rapidity. Many trees raised from seeds planted eight years ago, are now at least two feet in diameter. Dr. Jameson prepared from the seeds of the fruit one hundred pounds of tallow, half of which has been given to the Punjah railway, in order to have its qualities as a lubricaut of axles tested. This tallow burns with a clear, inodorous flame, and without smoke. The leaves of the tree are valuable as a dye, and the timber, being white and close-grained, is fitted for printing blocks.







## Marticulture.

#### PEAR CULTURE.

Written for the Farm and Fireside.

I have tested more than fifty different varied eulture, and were I now to set out a pear orehard, I should select the following:-

For Summer Pears, I should choose Beurre Giffard, Dearhorn's Seedling, Bloodgood and lived. I have trees on the quince stock that Tyson. The Rostiezer, Henry the Fourth, and the Ott are preferred in some localities. The Rostiezer is a very fine early pear, hut it is a bad grower. It is difficult to keep the tree in any symmetrical shape. The Bloodgood is also variable iu different localities. I have of "when the soil was manured and refined," found it always one of the very best early pears. It sueeeeds admirahly on warm, dry

The list of Autumn Pears is very large, and varies so much by difference of culture and soil, that it is sometimes quite difficult to deeide which is the hest. I should make the following selectiou:

Belle Lucrative, Bartlett, Louis Bonne de Jersey, Beurre Bose, Figue, Pratt, Seekel, Urbaniste, Duchess d'Angouleme, Flemish Beauty, Beurre Diel, Marie Louise, Onondaga, Merriam, Audrews, Dix, Doyenne, Boussoek, Clapp's Favorite, Sheldon, Beurre Superfiu, Noveau Poiteau, Soldat Laboureur, Buffum, 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 tendency to rot at the core. Clapp's Favorite sometimes shows the same tendency. The Flemish Beauty, Beurre 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 fine fruit. There are several other varieties that 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'Amalis is a luxuríant grower and very productive, but the fruit is hardly 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 resembles 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, of the late Autumu or early Winter pears.

The following Winter Pears I have found upon trial, to be worthy of cultivation: -Law-Beurre, Beurre Gris, d'Hiver, Doyenne, d'Alencon, Beurre Langelier, Delices d'Hardenpont, Vicar of Winkfield, Josephine and Beurre d'Aremberg. The Beurre d'Aremberg is variable and does not succeed well unless double worked on quince. The Vicar of Winkfield is valuable for its productiveness, and for its being a fine cooking pear. It is hardly 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 very low temperature, as near forty degrees as it is possible to keep it. The Glout Morceau is poor when young, or allowed to over-bear.

healthy and symmetrical growth of pear trees. young trees. Thinning out the fruit when ticians and other "fast" men, who go into return of hard cash. - New York Herald.

Some varieties require this thinning much more than others. In the Passe Colmar, Figue, Glout Morceau, Winter Nelis, Marie Louise and some others, it is absolutely neeessary in order to have fair fruit.

Dwarf trees, or those on quinee stocks, should rieties of pears in different soils and with va- be protected against high winds by stalks, trellis, or some support, to prevent their being shaken. When they are thus eared for, the dwarf trees are not only productive, but longhave been in hearing more than twenty years, and show no signs of deeay or loss of vigor,

> Iu a former communication I intended to say that I seldom had seen pear blight where the wood was well matured and ripeued, justead

> Were I to select only five varieties, I should take the following:—Belle Lucrative, 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, Lawrence and Vicar of Wiuk-

Providence, R. I., March, 1867.

PLANT PEAS DEEP .- The theory recently advocated 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 bottour, after which 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 Chinton grape derived its title from having been planted in a village in New York, so named. The Seckel pear derived its name from a tree grewn 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 to r. Seckel, and now belongs to the Girard Estate. This aecount was given by Bishop White in

In planting trees, vines, or anything else never expose the root to the air. Sun-light is almost fatal, even wheu they are moist. A thin covering is a great help.

offers premiums to the amount of \$500 for the best wine grape of the country.

## The Turf.

#### THE DEATH OF HIRAM WOODRUFF-THE SPORTS OF THE TURF IN THE UNITED STATES.

THE death of Hiram Woodruff removes been made the victims of a fraud.

first set is often as necessary as in grape cul- horse racing as they do into polities or faro dealing, or the purpose of making money We have none of that national pride in improving the breed of horses which marks some European nations. The owners of our "fast stoek" are priueipally men who have made fortunes suddenly, and not always by the most unexeeptionable means, and the height of whose ambition it is to possess a "two-forty" that can "heat the world." This comprehensive phrase simply means who can out-trot New York; for a horse that can do that need not fear competitors from any other part of the globe. A fast horse, as soon as his qualities are discovered, is at once made a betting 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 for fame, but for gaiu. The meu who gather around the winning post see nothing of the quivering flanks, the swelling veins, the distended nostrils, the flashing eyes of the noble 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 young men care to cultivate and improve the hreed in blood, physique and speed, purely for the love of the animal.

> Of eourse there are honorable exceptions to this rule. Hiram Woodruff took pride in the horse as an animal, and not as a mere machine 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 animals that are a eredit to the nation. Bonner's horses, for instance, are admitted to he the fastest trotters in the world. To such men we are principally indebted for the improvement that has been made in breeding and training during the past thirty or forty years, and which is shown in the increased speed of our trotters. In 1834 there was great excitement in sporting circles because Ned. Forrest made a mile on the Centreville track in 2:311, and in the 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 2:52. Now, with little Flora Temple's 2:193 to harness, and Dexter's 2:18 to saddle, such time would be laughed at on the road.

Iu England and France horse racing 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 transaction 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 na-THE Longworth Wine House iu Cincinnati tion takes a pride in them. Trotting finds small favor with Englishmen and Frenchmen, who would look with indifference upou the greatest achievements of Flora Temple and Dexter, as compared with the running in an ordinary race. It would be well if we could infuse into our own sporting circles some of the spirit that animates the turfmen of Europe, so as to secure at once an improvement in the breed of our horses, as well as in that of their owners; but it is idle to expect that we can from the Americau turf one of the few men ever make a "national sport" of horse racing, who have united with the calling of a horse yachting, or anything clse here. The condirence, Winter Nelis, Glout Morceau, Easter trainer and a jockey the reputation of an up- tion of the country and the character of our right, honorable man. It is conceded by all people reuder it impracticable. We might to whom the Nestor of the trotting course was with as good prospect of success, attempt to known, that iu his sporting engagements he revise the jousts and tournaments of the midacted with an integrity and fairness that would dle ages, as some of the Southern chivalry did not shame the husiness trausactions of a sub- a few years ago, before they drew upon themstantial merchaut. The customary tricks and selves the hard knocks of actual war. We are deceptions of the sporting fraternity were a practical, dollar-loving people, and the only never practiced hy him. When he made a national sport we shall ever thoroughly enjoy match he intended to win it if he could, and is that of making money. Now and then, those who lost money upon a horse entered or when our Yankee yachtmen accomplish some of the "lever" gun, has just invented an driven by him, felt satisfied that they had not bold achievement, or when an enterprising alarm night bell for druggists, physicians, etc., It is to be regretted that we have not a brows of the foreigners upon their own hoasted greater number of men like Hiram Woodruff turf, a thrill of national pride is felt from Maine door bell is pulled an alarm is set off in the Careful pruning is very necessary to the upon the turf in this country. But, unfortu- to California, and we fancy ourselves a nation room of the sleeper, and the gas turned on nately, among the horsemen of the United of sailors and horsemen. But as a general and lighted instantly, and without fail. Mr. This is best done in the Spring, just as the sap States swindling is the rule and honesty the rule, the people of the United States believe in Kellogg has one of these novel coutrivances in

## THE FARM AND FIRESIDE AND THE

For the sum of FOUR DOLLARS, paid in advance, we will end the FARM AND FIRESIDE and the WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is \$2.50. THE PATRIOT is an old established family newspaper, with the largest circulation of any country journal in Nev England. S. S. FOSS, PUBLISHER,

## Various Matters.

### REVELATIONS OF THE MICROSCOPE.

Brush a little of the fuzz from the wing of a butterfly, and let it fall upon a piece of glass. It will be seen on the glass as a fine golden dust. Slide the glass under a microscope, and each particle of the dust will reveal itself as a perfect symmetrical feather. Give your arm a slight prick, so as to draw a small drop of blood; mix the blood with a drop of vinegar and water, and 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 invisible to the naked eye, appear under the microseope each larger than the letter of this print. Take a drop of water from a stagnaut pool or ditch, or sluggish brook, dipping it from the green vegetable matter on the surface. On holding the water to the light, it will look a little milky; but on placing the smallest drop under the microscope, you will find it swarming with hundreds of strange animals that are swimming about in it with the greatest vivacity. These auimalcules exist in such multitudes that any effort to conceive of their numbers bewilders the imaginatiou. The invisible universe of created beings 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 fighting, 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 variety 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 their careers; countless hosts at each tick of the clock passing out of existence, and making way for new hosts that are following in endless succession. What other field of creation may yet, by some inconceivable methods, he revealed to our knowledge?

How to "CATCH COLD."-Dr. Thomas, writiug 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 theatre heated by a stove and lighted hy gas, and then return again 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 cause of a cold was coming from a moist cold air to a hot and dry room. This at once explained to me the reason of my frequent suffering, for I had invariably gone into my hot room straight from the cold. I, of course, soon changed my habit; I dawdled in the hall while taking off my great coat, perambulated the rooms which had no fire in them, went up and 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 inventor Yankee sportsman wrests the laurels from the which can also he used as a burglar alarm. By an arrangement of clock work, when the begins to flow. It is often desirable to cut in exception. The reason of this is that our dollars rather than in glory, and will occupy operation at his own house, but so arranged at least one third of the annual growth of "sports" are for the main part gamblers, poli- their time with no sport that docs not yield a that instead of lighting the gas, it uncaps and lights a fluid lamp.



An Infernal Machine for War.—Gen. Daulle, of the French engineers, 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 once from each tube, the trajectory of which will be the same as that of a large projectile from the same cannon. 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 upon a space occupied by fifty men in two ranks, those in the second rank being liable to be struck by the same balls.





## The Fireside Muse.

Written for the Farm and Fireside.

A COUNTRY IDYL.

NOT AFTER THE MANNER OF TENNYSON.

Old JANUS opens up the year, FEBRUARY snaps her fingers Next laggard MAROH comes on his way, Vexed that the snow still lingers.

11. Fair APRIL, smiling through her tears, Loiters in capricious showers, While bonnie MAY comes at her heels To strew the fields with flowers.

Odorous JUNE wheels Into line, And with the wand of fairy, Brings Nature's fairest smiles to view, And hutter to the dairy !

IV.
Thus Spring and Summer pass around To SEPTEMBER and OCTOBER; From "Apple-Bees" the swains go bome Quite questionably sober !

V.

To close the circuit of the year Come November and December; Old Hallowe en and Christmas Day— Ab! who does not remember?

V1. Thus year after year goes round In country and in village; And the abundant crops reward The hand of careful tillage.

The farmer walks his quiet way, And daily grows more wealthy; The children Heaven grants to him Grow up supremely healtby.

VIII. 'Tis he who leads an envious life, Esteemed by friends and neighbors; He earns the daily bread he eats, And whistles as he labors.

Out of his untold abundance He does not stint in giving; What other life is there, we ask, So truly worth the living?

Woonsocket, R. I., March 23, 1867.

## The Field.

### SEEDS.

Written for the Farm and Fireslde, BY ALEXANDER HYDE, LEE, MASS.

THE time for sowing seeds is close at hand, and we desire to eall attention to the importance of a right selection. To the majority of farmers and gardeners, a carrot seed is a carrot seed, and the only questions asked are "Is it of last year's growth? and of the long orange variety?" We are particular ahout our stock, and examine carefully pedigrees; hut the general impression is, that seeds are not of sufficient importance to demand much thought or care. This is a great mistake. The success, or failure of a crop, depends much upon the seed. We have plauted cabbages side by side in the same field, with no perceivable difference in their soil or mode of culture, and one patch has headed well and the other proved worthless. We could only account for the result from the fact that the successful patch had the benefit of starting from Gregory's thorough hred seed, and the other had a nameless origin, but was prohably from a degenerate plant. The variety in both patches was the Flat Dutch.

There is cheating in all trades—except the farmer's-hut the temptation to cheat is greater in some than in others-whiskey always excepted. The seed business seems more liable than almost any other, to the tricks of trade. It requires great moral firmness to throw away old seed which has been nicely packed and labeled. It is like turning off an old horse. We don't like to part with him merely hecause and plumpest ears from stocks having two he is old, without some equivalent. As the ears, we may, in the course of time, originate jockey mixes a little arnica with the food of the a variety that will he both early and producold horse, to give him hreatb and plumpness, tive. In like manner, the first fair cucumhers, so the seedsman may mix a little fresh sced and the first plump pods of peas ctc., of the with the old, to give it the appearance of life. Age, however, is not the great objection to and space do not allow the setting out and most of our seeds. Some, as the squash, careful culture of the hiennials, we must purpumpkin, etc., are all the better for the maturity of years, as they run less to vine and more to fruit; and most seeds will germinate promiseuously, and save the seed from the nearly as well when two or three years old as latest shoots, and the next year expect a when fresh. There is, of course, a limit to their vitality, and this limit is pretty well de- cases made and provided. fined, and should not be exceeded.

The great trouble with our seeds is, they are not well raised, or thorough hred, to horrow a as a cure for chilhlains.

term from the animal kingdom. The analogy between the vegetable and animal kingdoms is more striking than is generally supposed. As the parent animal impresses its characteristics pon its progeny, so the seed gives character to the future plant; and as it is possible, by a 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 common breed, and that will very surely transmit the superior points, so it is possible, by a careful selection of plants from which to raise seed, and a proper selection of seed when raised, in the course of time, to produce a variety of grain or vegetable that shall exect 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 vegetable world, we have just as striking examples in the Stone Mason cahhage and the Stowell sweet eorn. The Stone Mason eabbage is the old Flat Dutch 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 process be continued for a few seasons, and the characteristics of the plant become comparatively fixed; or, as we may say, the vegetable hecomes thorough hred. Not that it can not degenerate; 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 them. Descent is always easy, but ascent is lahorious.

All our fruits and vegetables furnish 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 grow among the grasses and weeds, and he self, sown for a few seasons. The parsnips not only become unpalatable, but positively poisonous; still, we have heard it stoutly maintained that the seed of the wild parsnip is as good as that of the cultivated variety. might as well affirm that smellage seed is as good as that raised from celery, or that a scruh hull is as good to breed from as one of Tborn's thorough-breds.

As an illustration of the right selection of seed, we may be permitted to refer to our individual experience. Years since we were called npon to arbitrate in a case in which it appeared that a farmer, having a quantity of 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 vicinity next year was stocked with rootless, long necked, worthless ruta-bagas, and the damage was not easily computed. Such ignorance in this nineteenth century is inexcusable indeed, no century could 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, so shall ye also reap."

In order to be positively sure of our seed we must raise it ourselves. Of the annuals, we may with little trouble, save seed. The biennials require a little more lahor. By going into a field of corn and selecting the earliest annuals, should be raised for seed. If time chase of some one in whom we can place confidence; but let no one plant cabhage stumps premium crop. It is against the law in such

## Fireside Miscellany.

#### THE TAXES OF FARMERS.

The following is very important to farmers, and the decisions have recently been given by the Commissioner of Internal Revenue at

1st. Farmers will not be required to make return of produce consumed in their own im-

2d. The farmers' profits from the sale of live stock are to be found by deducting from the gross receipts for animals sold, the purchase 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 deducted from the gross income of the farm.

3d. No deductions eau he made by the farmer for the value of services rendered by his minor ehildren, whether he actually pays for such services or not. If his adult children work for him and receive compensation for their labor, they are to be regarded as other hired lahorers in determining his income.

4th. Money paid for labor, except such as is used or employed in domestic service, or in the production of articles consumed in the family of the producer, may be deducted.

5th. No deduction can be allowed in any case for the cost of unproductive labor. If house servants are employed a portion of the time in productive lahor, such as the making of hutter and eheese for sale, a proportionate amount of the wages paid them may be de-

6th. Expenses for ditching and cleaning new land are plainly expenses for permanent improvement, and not deducted.

7th. The whole amount expended for fertilizers, applied during the year to the farmers land, may be deducted, hut no deduction is 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 obtained deducting the estimated value of the land on the first day of January, 1862, or on the day of purchase, if purchased since that date.

9th. 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 which his income is estimated.

10th. A farmer should make return of all his produce sold within the year, but a mere executory contract for a sale, is not a sale; de-Ruta Baga plants which, instead of producing livery, either actual or constructive, is essen-The criterion by which to judge whether a sale is complete or not, is to determine whether the vender still retains in that character a right over the property; if the property were lost or destroyed, upon which of the parties, in the absence of any other relation between them than that of the vender and vendee, would the loss fall.

> It is a fact that most old women who live in cottages, know better how to rear chickens tban any other persons; tbey are more successful, and this may he traced to the fact that they keep hut few fowls, and these fowls are allowed to run freely in the 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 indulgence.

> Punotuality.—A punetual man is rarely a poor man, and never a man of doubtful credit. His small accounts are frequently settled, and he never meets with difficulty in raising money to pay large demands. Small debts neglected rum credit, and when a man has lost that, he will find himself at the hottom of a hill he cannot ascend.

Ar the Pittshurg rolling mill, recently, a plate was rolled 12 inches tbick, 121 feet long and  $4\frac{1}{2}$  fect broad, and weighing  $12\frac{1}{2}$  tons. This is said to be the thickest plate of iron ever rolled in the United States, perhaps in LITHARGE mixed with lard is recommended the world, and is to he used as a target in test-the failures in planting raspberries and blacking heavy ordnance.

### A COOL FARMER.

WE have seen and heard of eool proceedings ere this, but the conduct of the Vermont agriculturist was positively "ieed." He once sold a load of hay to his neighbor, who, eontrary to his expectations, after seeing it weighed, stayed to see it unloaded. But a few forkfuls were off, when a bonneing rock rolled from off the load; then another, and then a third, eame bang upon the floor.

"What's this?" queried the buyer in a loud

"Most all herd-grass this year," replied the deaf man,

"But, see here," continued the other, pointing to the boulders which lay arrayed in judgment against the dishonest hay-man, "what does all this mean?"

"Shan't eut nigh so much hay this year as I did last," replied the dealer in herd-grass.

Just as he had finished the last sentence, down thundered a rousing chunk of granite, making a deep indentation in the barn-floor with one of its sharp angles.

"I say, neighbor N." sereamed the purchaser of granite, "I want to know what these are?" pointing to the boulders, and the big lump of granite.

Old N. took up a mighty forkful of the herdgrass, gave it a toss into the hay-loft, then leaning upon his fork, ejecting his huge quid of tohacco and replacing it with a fresh one, he took a view of the fragment of a stone wall that lay before him, and with one of the blandest 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 about daybreak one morning to supply his fine weh with a fly. At first, however, the spider did not come from his refreat, so we peeped among the lcaves, and there discovered that an earwig had been caught, and was now heing feasted on. The spider 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 a. m., the earwig had been demolished; and the spider, after resting awhile, came down for the fly, which he finished by 9 a. m. A little after nine we supplied him with a daddy-longlegs, which was caten by noon. At one o'clock a blowfly was greedily seized; and with an appetite apparently no worse for his previous indulgence, he commenced on the blow-fly. During the day, and toward the evening, a great many midges had heen caught in the web. Of these we counted one hundred and twenty, all dead, and fast prisoners in the spider's net. Soon after dark, provided with a lantern, we went in to examine whether the spider was suffering at all from indigestion, or in any other way, from his previous meals; instead, however, of being thus affected, he was employed in rolling up together the various little green midges, which he then took to bis retreat

This process he repeated, carrying up the lot in detachments, until the whole was eaten. A slight rest of ahout an hour was followed by a most industrious web-making process, and before dayhreak another web was ready to be used in the same way. Taking the relative size of the spider and of the creatures it ate, and applying this to a man, it would be somewhat as follows: At daybreak, a small alligator; at 7 a. m., a lamb; at 9 a. m., a young camelopard; at 1 o'clock, a sheep; and during the night, oue huudred and twenty larks.— Chamber's Journal.

JUDGE—, who is a very able Judge of the Supreme Court of one of the great States of this Union, when he first came to the bar was a very blundering speaker. Ou one occasion, when he was pleading a case of replevin, involving the right of property to a lot of hogs, he addressed the jury as follows:

"Gentlemen of the jury, there were just twenty-four logs, gentlemen-exactly twice as many as there are in that jury box!'

The effect can he imagined.

The Gardener's Montbly says that most of berries, arise from planting too deep.



Jolly.—An English paper calls attention to the fact that the slang sense in which the word "jolly" is often used is, after all, not slang. In "John Trapp's Commentary on the Old and New Testaments," published in London two hundred years ago, is to be read, "All was jolly quiet at Ephesus before St. Paul came thither." A century earlier, says a writer in Notes and Queries, the word is thus used by North, in the translation of Plntarch's Lives: "It (the wind, which some call cacias) bloweth a jolly cool wind." So, without knowing it, our fast young men use this convenient word in its most classical sense.







## The Farm and Garden.

### EARLY VEGETABLES.

Written for the Farm and Fireside, BY R. O. KENNALL, PHILADELPHIA.

AFTER having dieted through six months of winter, on hread, beef, mutton, pork and potatoes, 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 first of June, iu all these midland regions, from 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 reorganize the animal structure, than at any other season. Hence, our appetite, aud craviug for early vegetable food. Cattle take greedily to green grass, and humanity, with an equal relish, to all green things that come from vegetable gardens. Nature, through the appetite, teaches both man aud brutes, that a diet mainly made up of green vegetable 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 variety, from fifteen to thirty days earlier thau we are in the habit of having them, there would be a reduction of ten per ceut, in our annual bills of mortality; while we should all be twenty per eeut, better men, women and children physically, and of course something better morally and mentally-for invalids, and even grunters, are not apt to he over amiable

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 reasonable reach of popular praetice—accessible to all. A tolerably familiar acquaiutance with practical chemistry as applied to plant growth, some philosophy, what common sense I can bring to hear, a little theory, and considerable practical experience, convinces me that it is-or at least to all who hold even a small corner of Mother Earth, and have the energy and ambition to make the trial.

It is not probable that in all instances we shall he able to reach the thirty days' limit; but in a great many localities we can; and, I believe, make the general average fifteen, while New York, Philadelphia, Boston and Baltimore, as well as all other easily accessible eities and towns of the Atlantic States, may have their markets, and their citizens their tables, supplied with good, crisp, fresh, and wholesome vegetables, three weeks earlier thau has been the custom.

Beginning Northward and Eastward, Rbode Island has, in the islands of her Narragansett Bay, and the region round about Newport, a garden territory with a climate almost Italian, that energized, and Nature's good intentions secouded by human agency well directed, would supply the markets of every city and considerable town within fifty miles of tide weeks earlier than they are now supplied.

Connecticnt has enough of sunny Southern in like manner for every table within her houndaries. New York and Philadelphia would of the "Eastern Shore," the detatched Virginia Arundel counties, besides having a large surplus to spare to interior markets.

tending to the one consnumation; all within near the surface."

the capacity of every man of ordinary common sense and sufficient energy and industry. The first step is to select suitable garden sites, having a shelter from chilly North and Northwest winds, a warm Southern exposure, and kind, genial soil. Then prepare the ground by general fertilizing, under dramage, and faithful Fall plowing. As a rule, such sites footsteps. The nutritious grasses he has volthoroughly drained, may be plowed and put untarily carried with him round the world. in fine tilth fifteen days earlier than the average of all our vegetable gardens and "truck farms" can always he gained, and we can very so on bring up the other five, or eight, or ten, by bly been compelled to take along with him a to begin with, and then pushing them forward by quiek, special fertilizers, and attentive care goes and makes a habitation. They always and culture, saving from everything of the settle around his house, near his stable, or first crop, the fairest, earliest, and hest seeds for the next planting.

This is no mere speculative theory. We find the results entirely satisfactory. These ten years, we have had on our table, of our owu growing, all the usual Spring vegetables, as—cucumbers, peas, beans, heets, onions, tomatoes, squash, green eorn, &c., on an average, three weeks before a single sample of any one of them was to be found in any market in New York or Philadelphia, unless growu under glass. We resorted to no glass or fire heat-no conjuring or witchcraft-nothing hevond just such means as have heen briefly glanced 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 from, than towards the sun, lying low, and the soil originally a cold, wet, tenacious clay.

If we had grown such nice crisp cucumbers, peas, beans, corn, tomatoes etc., to sell, and had them fitteen to twenty days before they made their first appearance iu the market, we could have commauded our own prices from first class hotels and restaurants, and legions of customers able to gratify their appetite at any price. What we could have done, any one else, having a suitable patch of ground, and 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 communicating to the public something more of our experience in growing early vegetables.

March, 1867.

## BONE DUST AS A FERTILIZER.

An iutelligent farmer, living in the Western part of Connecticut, writes the following:-

"When entering upon the cultivation of our present farm, we asked our predecessor what fields would give a crop of potatoes without the application of fresh haruyard manure, as we feared the application of such iu inducing "the rot." A five-aere field was named. We earefully plauted and cultivated it, and found 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. Iu the Autumn we plowed and sowed the same field with rye, applying twenty-five husbels of boue dust to the acre. Such was the immediate effect of the application, that when water, from Boston to New London, with the rye was grown, a man of ordinary stature most sorts of ordinary vegetables, fully three would be eoncealed by the crop in walking through the field. Grass seed was sown with M. Scheibler has inclosed honey in stop- hy wetting the skin with water and then rubthe rye. A good crop of hay was taken the pered flasks, some of which he has kept in bing on oil. slopes, and warm sheltered nooks, to provide first year it was mowed. But the second year, perfect darkness, whilst others have been exwhen turf was well established, sixteen tous posed to the light. The invariable results of hay were taken from the five acres. After have been that the sunned portion rapidly sey geological report shows that the Atlantic draw their supplies maiuly from New Jersey mowing it four years, it was plowed and crystalizes, whilst that kept in the dark has Ocean is steadily and rather rapidly encroachand Delaware; while Baltimore could be am- planted to eorn, giving a heavy crop without remained perfectly liquid. We now see why ing upon the land on the coast of that State. ply provided for from the two lower counties manure. Such is our experience in the use of bees are so careful to work in perfect darkness, At Cape Island, the surf has eaten inwards full bone as manure. Twenty to twenty-five and why they are so careful to obscure the territory east of the Chesapeak, from St. hushels of bone is a good dressing to the aere, glass windows which are sometimes placed in shore of Cape May the marsh wears away at Mary's and the "Piney Woods" of Anne and is worth from two to three times the cost their hives. The existence of their young determined the rate of a rod in two years. One of the of stable manure brought from the city. Boue pends on the liquidity of saccharine food predust should he applied to and left as near the sented to them, and if light were allowed ac-The methods in which this bringing forward surface as may be, and be suitably eovered ess to this the syrup would gradually acquire in the last thirty years. It is also the opinion the season of Spring vegetables can unques- We usually sow broadcast after the harrowing. a more or less solid consistency; it would scal of the oldest observers that the tide rises tionably be accomplished, are various; hut all The second course of the harrow will cover up the cells, and in all probability prove fatal higher upon the eastern New Jersey uplands

### 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 wanderings, and are only found in the path of his Of these, barley is the most widely spread, being known from the utmost boundary of culuuder present conditions. At least ten days ture in Laplaud down to the elevated plains near the equator. But mau has also invariacarefully selecting the very best seeds, roots whole rabble of weeds, thorns and thistles. and plants of all the earlier sorts of vegetables. These plants seem to attach themselves to the lord of ereation and follow him wherever he luxuriate on his duughill. Travellers can thus trace, as the celebrated Augustin St. Hilaire did in Brazil, by the mere presence of weeds, have been testing the practicability of it, and even in the midst of a desert, the place of abandoued aud utterly destroyed settlements. Stranger still is it, that the different races 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 the prevailing weeds, whether Europeaus or Asiaties, Germans or Slaves, Negroes or Iudians, have dwelt at certain places. It was not without good reason, then, that some of our Iudian tribes called the common plantaiu in their lauguage "the white man's footsteps." A simple but distinct vetch marks in like manner, 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 the Rocky Mountains, wherever a wagon has made a rut in the soil, there springs up a rank hedge of this plant. The pig-weed, horseweed, and dutura stramonium are also rapidly advancing westward. I found them some distance this side of Fort Ellsworth." So it seems that weeds, like humau viees, ever mark the eonquest of men over the realms of na-

## Fireside Miscellany.

### REASON WHY BEES WORK IN THE DARK

A LIFE-TIME might he spent in investigating the mysteries hidden in a hee-hive, and still half of the secrets would be uudiscovered. The formation of the cell has long been a celebrated problem for the mathematician, whilst the changes which the honey undergoes offer at least an equal interest to the ehemist Every one knows what honey fresh from the comb is like. It is a clear yellow syrup, without a trace of solid sugar in it. Upon straining, however, it gradually assumes a crystalline appearance-it candies, as the saying is, and ultimately becomes a solid lump of sugar. It has not been suspected that this change was due to a photographic action; that the same agent which alters the molecular 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.

to the hive.—Quarterly Journal of Science.

### WASTE OF COINS.

The life of coins is said to be much briefer now than hefore the introduction of steam for passenger travel. The real eause of the increase of wear iu Europe probably arises from the fact that coins are not saved and secreted as they were formerly. Now they are subjeeted to constaut attrition hy heing carried in pockets and passed from hand to hand. Ou the average, one hundred old English shillings would not make more than eighty new ones.

The mode of mauufacturing coins is opposed to their longevity. The plain disk metal is very soft when placed hetweeu the dies. Compression hardens the recessed surfaces, while the raised surfaces are left in a state very near their original softness. Unfortunately, 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 value 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 from wear, when they again come iuto general use in this country, should be favorably entertained by the General

How to DRY BEEF.—The New Eugland Farmer says :- "The best dried beef we ever ate was at the table of E. D. Rust, Esq., now of Brandon, Vt., and was prepared as follows: For 100 pounds of beef make a briue of nine pounds of salt, two pounds of brown sugar, one 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, being careful to have every particle of it covered with the briue. Let the heef remain in the brine until the seasoning has struck through it, then take it out, wipe it dry and hang it np. Some persons hang it overhead in the kitchen, for a week or two, and then iu some place more out o 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 place. If desired, it can he smoked for a day or two, or longer, as hams are smoked."

Anorn Your Homes. -Some one writes both gracefully and forcibly: "I would be glad to see more pareuts understand 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 much 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.'

THE CAPILLARY PRINCIPLE.—Mill stones are split hy inserting wedges of dry wood into crevices; on heing wetted, 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 found in the process of currying leather or rendering it soft and 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

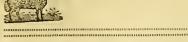
THE ENCROAOHING OCEAN.—The New-Jera mile in the last ninety years. Along the bay beaches upon the coast is mentioned as having moved inward more than one hundred yards than formerly.



Resist the Beginning.—The Arabs have a fable of a miller, who was one day startled by a camel's nose thrust in the window of his room. "It's very cold outside," said the camel; "I only want to get my nose in." The nose was let in, then the neck, and finally the whole body. The miller began to be extremely inconvenienced by the ungainly companion, in a room certainly not large enough for both. "If you are inconvenienced, you may leave," said the camel; "as for myself, I shall stay where I am." The moral is that when temptation occurs, we must not yield to it. We must not allow so much as its "nose" to come in.— Everything like sin is to be turned away from. He who yields even the smallest degree will soon be entirely overthrown.







# Farm and Fireside

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MARCH 30, 1867.

AGRIGULTURE feeds us; to a great extent it clothes us; with out it we could not have manufactures, and should not have com nerce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEI

### NECESSITY OF OBSERVATION.

The reason why Agriculture as a Science, has not reached a high stand-point, is on aecount of the lack of systematic observation and experiments; and because much practical information that is thus derived, is withheld from publicity. Science groups facts together, and classifies and arranges them; these facts must be fundamental and the observations eorreetly taken, or the conclusions will inevitably be wrong. Without eareful pains taking, minute observation, and accurate research, seienee must become worthless. Theory is not substantial enough for the foundation of a seience. The mortar of improbability will construction, the tardiness of Congress, the erninhle away, and the building topple at the first assaults of substantiated faets.

A man may think too long and too much. He must see and observe in a proportionate degree, or he will become either morbid or visionary. Said the great DeQuineey: "my disease has been to meditate too much and observe too little." "The wise man's eyes are in his head," says Solomon; "hut the fool walketh in darkness." Every man's eves are supposed to be in his head; but many have eyes, yet see not; and as many more see, yet do not observe. We do not undervalue "the seeInded study, the wrapt meditation, and the scholarly enthusiasm of books;" but think that the world would be spared the infliction of much vapid philosophizing and useless wrangling, if her scholars indnlged less in books and more in snnshine and fresh air. When Rosa Bonheur desires to sketch a farm yard seene, she does not do it in her eosy studio, relying upon her imagination for truthfnlness and effect. In bloomer-costume and arm, she proceeds to the harn yard and depictures nature as she finds it. The fastidious aeknowledge her to be a skillful artist.

The true history of many inventions would destroy their most readily coneeded claims to originality. The dove-tail, the arch and keystone, most of the architectural ornaments, even the capitals of Ionie, Corinthian and composite orders, are imitations of fossil perseverance to take eare of them. formations. The first and most heautiful depatterns found in the old red sandstone eoral.

them. All of the most intrieate movements then be mingled in the right proportions for and combinations in machinery have been suggested by what has been seen in structures that month for planting. Then carefully watering, have come from the band of Infinite skill. A and hiding them in a cool dark place from the spider's web suggested to Sir Samuel Brown sunlight, wait until the roots have filled the the suspension bridge; from the structure of pots. Then bring them in sneeession gradnthe shell of a lobster served upon his table, ally to the light, and very carefully nurse the James Watt learned how to construct the iron little yellow knobby tips into greenness and pipe to earry water under the Clyde, along tho uueven river bed; a ship-worm at work taught pains, you will have a rich reward, and you Brnnel how to tunnel the Thames; the pendu- may keep your windows filled with a succeslum was suggested by the vibrating of a chaudelier in a eathedral, etc., etc.

in order to induce our readers to acquire habits your earch ments-to narrate what has been observed in their framework of living green. this place or in that, or upon this subject or the character enumerated, for publication?

they may at first sight seem valueless, or the rorange blossoms are the bridal crown of to-day. imils at Cohoes.

scholarship. It is the tiny, glittering pearls means, to decorate our walls with pictures from we want. We shall arrange 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 the grasp of ordinary minds. In this respect we beg leave to differ. We have a better opinion of the intelligence of the mass of our agrieultural friends; and if there should be a few to whom our journal seems too technical or high-flown, we will be accomplishing something by cultivating them up to full comprehensiveness. We set out with the design of establishing a reliable and high-toned journal, and as yet see no reason why we should reeede from our praiseworthy aim. No, journal, even if floundering befogged on an untraversed sea, should hold ont any false allnring

### A FLOWER-EDITORIAL.

For months past the daily journals have been eoming to us groaning under editorials, not a tew of which were windy diatrihes, about reshort-eomings of the Tariff, the faultiness of the Internal Revenue Bill, etc. We glance at the headings and are snrfeited; they give us at once an inkling of the snmmary of contents, and we throw aside the paper with a sigh. However, in taking up the Providence Journal of the 21st inst., we found an agreeable exception in an editorial on Hyacinths. We read the delicious little pen sketch, and imagined the aroma of flowers to be about us. It was like a breath of Spring floating into the officelike letting the sails lnll by a spice island passed in the "dull sea of reading." After giving the Mythological account of how there sprung a flower of more beautiful hue than Tyrian purple from the blood that dripped from the fatal wound in the forehead of Hyaeinthus, as he leaned upon the shoulder of Apollo, the editor proceeds to say:

"With every returning Spring the poetie miraele is renewed. Human skill and ingenuity have multiplied these fragrant flowers, so that now florists number two thousand vacow-boy boots, with her portfolio under her rieties, whose unfolding beauty it is a pure joy to watch and eare for. The sealy bulhs are especially ealculated for parlor culture, either may say she is not very feminine; but all will in pots or glasses. They are a hardy race; the eold wind coming through the ereviees of the windows will not freeze them, the fnrnaee heat will not seoreh them, and a little too much water will not drown them. Every one may cultivate them who has a Southern window to let in the sunlight, and a world of patience and

First, select the bulbs: those directly from signs in ealieo printing were purloined from Holland, daintily packed, and earefully labelled by the pains-taking Dnteh, are the best and Men have seen things rather than invented surest. Sand and leaf-mold, and loam must the soit, and October or November is the development. If you are willing to take the sion of gay flowers from Christmas to May. You will have speedy growth, symmetrical We have been induced to make these re- form, rich coloring, and exquisite perfume. marks, somewhat disjointed though they are, Every day will bring a new charm to reward of constant and careful observation. To "nail rose, pale lilae, glowing magenta, pale yellow, a lie " floating in the currents of newspaper- snowy white; double corollas, and single cobug-to give the results of repeated experi- bells, all growing together and harmonizing in farmer who would read them.

Commend us to flowers. The universal heart is to contribute to the accumulating fund of around the eradle, the altar, and the tomb.

writer fearful that he might betray a want of it is impossible for us, with our moderate Florentine galleries, let us at least cultivate flowers, where nature is the sculptor of each leaf and climbing tendril, and delicate tracery of frame-work, and where the Sun, the great painter, brings out with the skill of the master, the riell, gorgeons coloring, and that perfection of development which the most gifted artist essays in vain to imitate.

### EARLY POTATOES.

To the Editors of the Farm and Fireside:

I have practiced for several years the following method of raising early potatoes, which I do not recollect having seen in print, and by which from two to four weeks' time may be gained-no small item in this market, where very early potatoes bring from three to four dollars per bushel.

Cnt thin tnrf in pieces, ahont three inches square, and place them, reversea, in a gentle hot-bed, close together. On each of these place half of a medium sized potato, with the cut side down. Cover them with one inch of fibrous loam, and treat the same as other hotbed plauts. As soon as late frosts are past, trausplant, with turf, in drills twelve iuehes

The last of March, or the first of April is early enough to commence operations, in this latitude.

A cloudy day is preferable, as it prevents them from wilting and starts a rapid growth. Try it, and you will be surprised at the result. A RHODE ISLANDER.

Consumption of Weol.-In the Monthly Report of the Agricultural Department for February, is a communication from David A. Wells, the United States Special Commissioner of Revenue, correcting an estimate of the annual eonsumption of wool in this country. There are nearly five thousand "sets of woolen machinery" in the United States; and the estimated consumption of seoured wool is 142,844,317 ponnds. That amount of wool is mannfactured into eloths and fabrics every year—that is, in prosperous times. As a large number of the woolen mills are now rnnning on "short time," or have only a part of their machinery in operation, we cannot expect that the consumption of wool for 1867 will exceed in pear culture. It is the richest kind of black one hundred million pounds. Yet that amount prairie. is enormous; and is an evidence of the extent and eapacity of our woolen manufactures.

Interesting to Farmers.—Among the reeent changes in the Internal Revenue Laws is one allowing one thousand dollars, instead of six hundred, to be deducted from income returns. Among the articles placed upon the free list, are the following, all either produced or in common use among the farmers: Cauned unguished and easily remembered. Though not claiming to be and preserved vegetables and fruits, fabries produced ou hand looms, apple parers, bee hives, easks, churns, barrels, horse rakes, horse powers, harrows, hay forks, hoes, portable grinding milis, horse blankets, forks, garden engines, hydraulic rams, washing and wringing machines, spinning wheels, and farm wagous and earts. These changes will relieve the farming community of considerable taxation.

o Seuator Anthony for the Report of the Commissioner of Agriculture for the year 1865. It contains many valuable experiences and atic, honest and practical; a book of great value to spagestions. It would, ultimately, but money congaged in the cultivation of fruit. Price \$3.00. snggestions. It would, ultimately, put money in the national treasury if these Agricultural dom-to explode a theory or unmask a hum-rollas with their soft rich petals, and waxen Reports were placed in the hands of every

Wool.—The manfacture of knit woolen upon that—to do any, or all of these things, of man blesses them. They are wreathed goods has been greatly stimulated in this eountry by the high cost of importation since truthful knowledge. What practical farmer The Persian in the East delights in their per- the war, and it is now estimated that 400 sets ean not give us, now and then, something of finme, and writes his love in nosegays, while for machinery and 40,000 hands are employed the Indian child of the far off West, clasps in this branch of industry in the United States, While we are justly proud of the array of his hand in glee as he gathers the abundant producing goods to the value of about \$20,contributors who aim to elaborate partienlar blossours—the illuminated Seriptures of the 000,000 per year. The New England and subjects, we would like to have a steady influx prairies. The Cupid of the ancient Hindoos Middle States nearly monopolize this business, of little "tit-bits" of information, no matter if tipped his arrow with flowers, and with us New York taking the lead with the extensive

#### IMPROVEMENTS IN MACHINERY.

It appears, from the report of the Commissioner of Patents, that this department of the Government is not only self-sustaining, but profitable, having yielded a snrplus, over the expenses during the year, of \$264,125.00. The Patcht Office is the great index of American energy and genius. Last year there were nine thousand four hundred and fifty patents issued. Not a few of them were for improvements in agricultural implements. The idea that to increase machinery is to increase the oppressions of the poor, was long ago exploded. It could not stand the logic of events.

The progressive farmer always has an eye to improved machinery connected with his vocation. He knows that it is a mute yet valuable addition to bis means, saving much manual labor, and ensuring to him successful competition. He selects only the hest, after a thorough trial and investigation; and if he is at the same time a careful farmer, will see that such machinery is kept in good order and earefully stored away when not in use.

### AGRICULTURAL NEWS ITEMS.

The Kentneky Agrienttural Society have resolved to invite a National Industrial Congress to meet at Louisville during the present year.

ENGLAND, during 1866, in addition to the eggs produced at home, consumed the enormous number of 438,878,880 imported eggs.-Eggs-actly.

Оню has 7000 aeres planted with grape. The yield in 1866 was 2,500,000 pounds of grapes, and 237,000 gallons of wine.

EVERY week for a mouth past 200,000 hushels of corn have arrived at Atlanta, Ga.

Grain is sold in Milwaukee by the cental system—that is, so much for a hundred pounds.

They are going to try black-seed Egyptian eotton, in Texas.

The Strawberry and peach crops in southern Illinois are expected to be larger than usual

At Lynchburg, Va., shipping tobacco, which two weeks ago sold from \$7 to \$9, now brings

CHAMPAIGN county, Illinois, claims to exect

## Our Book Table.

THE AMERICAN FRUIT CULTURIST, containing Practical Directions for the Propagation and Culture of Fruit Trees in the Nursery, Orchard and Garden. By John J. Thomas. New York: William Wood & Co.

This is a neatly bound and printed volume, containing upwards of five hundred pages, and four hundred and eighty illustrations. The descriptions embrace the principal American and Foreign varieties cultivated in the United States, nrranged under separate and characteristic heads, thereby readily discomplete work on the pomology of the country, it gives full descriptions of the most valuable and prominent fruits. Being intended as a guide to the practical cultivator, it furnishes all information necessary to the selection of the hest varieties of trees for cultivation and their subsequent managemen

The multiplicity of hooks on fruit culture, is an evidence that the cultivation of fruit in this country is progressing rapidly. this character; and the majority of those were foreign works. Up to the time of Downing's book on the "Frut Trees of America," we recollect nothing of much value; although Mr. Thomas says "the first edition of the FRUTT CULTURIST, the basis of the present work, was written more than twenty years

o." The author of this volume is an associate editor of the "Conn-Agricultural Report.—We are indebted try Gentleman," and is a practical man on pomological materials. Squater Anthony for the Report of the ters. Had the author's name been withheld, we should have pronounced his work the experience of a veteran in fruit cul-ture. We freely and cordially endorse the volume, as system-

THE RICH HUSBAND; by Mrs. J. H. RIPDELL, Philadelphia; Peterson & Brothers.

Many of our rural friends tell as they cannot find time to ead an agricultural journal-even if ns good as the FARN AND FIRESIDE-hut they say their wives and daughters manage to economize time sufficient to read novels. Well, then we will recommend "The Rich Hushand," (and very few country girls object to that kind!) This volume gives a fresh picture of Eng-lish society, and is very readable. Welsh and English rural scenery are here word-painted. Price \$2.00.

People who "hegin life on their own account, and don't like t," will have to do as David Copperfield did, and then "wait for something to turn up," as did Mr. Micawher. But don't wait, reader; secure this second volume of the author's American edition of Dickens—beautifully gotten up, with twenty-five illustrations from original designs by H. K. Brown. Each volume is sold for \$1.25, which is very cheap.



Grapes Named after Ladies.—The following is taken from a new work entitled "The Market Assistant," by Thomas F. DeVoe: "The Isabella Grape which thrives best and is most productive in the neighborhood of New York and other places, was introduced by George Gibbs, Esq., of Brooklyn, Long Island, from North Carolina, about the year 1814. His wife, Mrs. Isabella Gibbs, who took a prominent part in its further cultivation, was complimented by laving her first name given to this fine, large blue grape. The Diana grape also took its name from Mrs. Diana Crehore, Massachusetts; and the Rebecca from Mrs. Rebecca Pcake, of Hudson, New York.



## The Fireside Muse.

### CHILDISH WISDOM.

'Twas the hour of prayer, and the farmer stood, With a thankful heart and a lowly mind, And prayed to the Author of every good, That the Father of all would be very kind, And bless his creatures with raiment and food; That the hlessing each day might be renewed; That every want might find relief, And plenty for hunger, joy for grief, Be measured out by the merciful One, To all who suffer beneath the sun."

The prayer concluded, the godly man Went forth in peace to inspect his farm And by his side, delighted, ran, Glowing with every healthful charm, A little son, a sprightly hoy, Whose home was love and whose life was joy; And they rambled over the grassy fields, And the father said, "the harvest yields A plentiful crop, my son, this year, My barns are too small for the grain, I fear."

And they wandered on through row upon row Of plumy sheaves, and at length the child, With earnest look and a rosy glow
On his shining cheek looked up and smiled, And said, "My father do you not pray For the poor and needy day by day, That God, the good, would the hungry feed?"
"I do, my son." "Well, I think as you plead"-His eyes waxed bright, for his soul shone through it-"That God, if he had your wheat, would do it."

## Fireside Tale.

### THE HERDBOY'S DREAM.

BY EMMA M. JOHNSTON.

The herdboy was out upon the hills, with his herd. The Summer was over, and Autumn's cheek had flushed 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 iugs. graves. The hills looked bleak, for the grass aud flowers had said good-hy, and faded away. Only the purple heather still bloomed, and the breeze swept over it, as if looking and calling for the things of Summer.

It was very lonely, as well as bleak, out upou the hills; the little village lay in the dis- for they were very lovely, and not at all like tance, too far for him to hear the sounds of life which came from it. Everything looked dull and sad; even the sky was mournfully clouded, its blue and gold shadowed by sombre grey. The herd roamed noiselessly about, cropping the heather, or looking with steadfast, wistful had joined in the song, and was lost in deeyes far off, as if they saw some hidden Sum-light. mer, some land of eternal bloom that human eyes might not disceru.

at the chauging clouds, and listening to the eyes, the herdboy found himself lying upon softly-sighing hreeze, as it kept up its hurried the hill, with his face to the sky, and his herd search over the hills. His was not a very scattered about on every hand. happy life; he was ragged, and often foot-sore and weary; the herd sometimes proved troublesome, and the man who owned them was not and then they wound down the hill and took kind. The hoy's father was dead, and he lived with his mother in the little German village. They were poor, very poor, and often the boy went without his breakfast. His feet were 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 herds roam. Then he thought of his mother, and he knew he would not wish to leave her; still he wished there was some he said: "I am come to take thee to the heaubleasant country where both might go, and he tiful land. happy.

Thus thinking, all at once the sky changed and finally 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 continued to think. And he was wandering after his herd, when forth his hand and tonched the hoy, and he country where sugar composes a material part suddenly there came a dark rolling river, and passed away. all at once the herd plunged in. Then he followed them.

And after he had been some time in this his feet touched the shore, he thought no more tell her where the land lay to which her trea-

The bank leading up from the river was of

were those standing upon it who raised a glad red. 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

As soon as the gate opened, the glory of the place burst upon the hoy.

There was a throne, and the King sat upon it. 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 of siuging that was like the noise of many waters, aud yet so sweet! There were harpers, 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 as were never before seen, so soft and cool, and clear streams ran through them like healthy veins. 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-

Then the King stretched forth his haud to the hoy, saying: "Welcome! this is thy home. Yonder are my little lambs: thou shalt care for them, and I will care for thee."

Again the herdboy looked at the lambs, and was satisfied, as if he had his heart's desire; the rude herd he had loug tended.

And it seemed that at this moment the mnsic swelled higher, the air grew more fragrant, the light more radiant. The hoy felt his heart to swell, and before he was aware he

But suddenly the song waxed lower and lower, and grew faint, and then ceased; the The herdboy lay upon his hack, looking up city faded and disappeared; and opening his

He arose, for the sun was sinking low, and blowing 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 beautiful land he had visited. "Alas, my child!" she said, "there is no

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 of an old man entered: it was the Angel of

And going to the hed whereon the hoy lay,

Then the poor mother wept, saying: "Leave

me not alone, my child!"

mother, let me go.

When the mother saw the child's longing, she bowed her head; and the old man pnt plagne has never been known to visit any

Ah! then the poor mother wept, and could not he comforted, because she knew not this snre had gonc.

And the herd lowed softly, and looked far Fread, "cheese and butter."

golden sand that glisteued in the sun, and there 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 pointed upwards with her fin-

The wind was sitting wailing upon the hilltop, and the woman said: "Perhaps thou canst tell me of this land!"

Then the wind arose, and soared high, higher, till it was rolled up in the crimson

"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 biting frost came and touched her sharply.

Just then the white-haired pastor of the village passed that way, and seeing the lonely woman, 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 of 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 Angel of Death.

"Come!" he said, "the land is not so far off, and the boy awaits thee."

Then he took her up, for she was very uneasy; and when she opened her eyes, lo! she saw the beantiful laud, aud the herdboy standing to greet her. —Methodist Home Journal.

## Miscellany.

### FARMERS.

Adam was a farmer while yet in Paradise, and after his fall, commanded to earn his bread by the sweat of his brow.

Job, the honest, upright and patient, was a farmer, and his endurance has passed into a

Socrates was a farmer, and yet wedded to his calling the glory of his immortal philoso-

St. Luke was a farmer, and divides with Prometheus the honor of subjecting the ox for the use of man.

Cincinnatus 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 these marksts.

Washington was a farmer, and retired from 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 cultivation of their mother earth; the enthusiastic Lafayette, the steadfast Pickering, the scholastic Jefferson, the fiery Randolph, all found an Eldorado of consolation from life's such land! There is snrely no hetter land carcs and troubles, in the green and verdaut lawns that surrounded their homesteads.

> The telegraph along the Norwegian coast has been employed recently for the purpose of giving the fishermen notice of the appearance and position of the shoals of herring which are found on that shore, and also communicating other nsefnl information whereby the fishing is more completely and efficiently carried

NUTRITION OF SUGAR.—Dutrone calls sugar the most perfect alimentary substance in na-But the boy answered: "I pray thee dear ture. Dr. Rush says it affords the greatest quantity of nourishment in a given quautity of matter. Sir John Pringle tells us that the of the diet of the inhahitants.

land to which her child had gone. She wan- proof-reader on the Davenport (Iowa) Gazette wrestled in prayer with the Lord for its presblack flowing water, he found himself upon dered out upon the hills, where the hoy had so recently caused that journal to appear with ervation. In his prayer he stated the facts the borders of a beautiful land, and as soon as often trod, and asked the hord if they could the following despatch: "The Committee of fully, and how the wheat would be affected by Ways and Means have decided to put Chase

### A FRANK ADMISSION.

BILLY 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 you a question you mustn't he afraid to speak right out and answer me. When you look around and see all these fine-houses, farms and cattle, do you ever think who owns them all now? Your fathers own them, do they not?"

"Yes, sir," shouted a hundred voices.

"Well, where will your fathers he in tweuty ears from now?'

"That's right. And who will own all this

"Dead!" shouted the hoys.

property then?" "We will." "Right. Now, tell me, did you ever, in

going along the streets, notice the drunkards

lounging around the saloon doors, waiting for omehody to treat them?" "Yes, sir, lots of them." "Well, where will they be in twenty years

rom 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 to escape such a fate.

### EXPORTING CHEESE TO NEW MARKETS.

THE 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 or 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 bladders 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 American 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 various points of Europe, Asia, the Cape, and South America; and it appeared strange that American dealers should he content to let others have a monopoly in

The American cheese trade has uow become an important branch of commerce with the highest earthly station to enjoy the quiet of Britain, but it ought to be extended into new markets, and with proper enterprise on the part of our dealers might be made to pay them. Utica Herald.

> FACTS ABOUT RAILROAD SPEED.-A railroad car moves about seventy-four feet, or nearly twice its own length, in a second. At this velocity the locomotive driving wheel, six feet in diameter, makes four revolutions in a second, the piston rod thus traversing the cylinder eight times. If a horse and carriage should approach and cross a track at the rate of six miles an hour, an express train approaching at the moment would move toward it two hundred and fifty-seven feet, while it was in the act of crossing; if the horse moved no faster than a walk, the train would move toward it more than five hundred feet, which fact accounts for the many accidents at such When the locomotive whistle is points. opened at the post eighty rods from the crossing, 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 A BLUNDERING or wilful compositor and the emergency he went into his closet and the frost, and wound up his petition in these and Butler on the free list." It should have words: "Not, Lord, that I would dictate, but merely recommend and advise."



Legal Advice.—An old barrister was giving advice to his son, who was just entering upon the practice of his father's profession—"My son," said the counsellor, "if you have a case where the law is clearly on your side, but justice seems to be clearly against you, urge upon the jury the vast importance of sustaining the law. If on the other hand, you are in doubt about the law, hut your client's case is founded on justice, insist on the necessity of doing justice, though the heavens fall." "But," asked the son, "how shall I manage a case where law and justice are dead against me?" "In that case," replied the old man, "talk round it!"





#### TERMS OF ADVERTISING.

A limited number of advertisements will be published in the FARM AND FIRESIDE. Price, fifteen cents a line ench insertion. Advertisements are set up in a uniform style.

## Philadelphia Society.

A POTATO CONVENTION.

A POTATO CONVENTION.

The Philadelphia Society for promoting Agrieulture held an adjourned meeting on the 22d A South Atheoro, Vt., 17th, William Dunham to Mary Francis, daughter of Rev. G. Clark, the officiating elegyman. inst., the object being to discuss the merits of the different varieties of the potato.

Dr. Thompson, Chairman of the Committee on Potatoes, stated that the meeting had been called for the purpose of considering the best mode of enltivating the potato and improving its quality.

Among the specimens exhibited was a seedling Merecr, planted among Monitors, which, it was stated, partook more of the taste of the Monitor than of the Mercer. They boil very white and mealy.

Mr. Thomas J. Edge, of Loudongrove, Chester county, who raised the specimens, stated that they were the product of a seedling raised from the seed-ball taken off a Mercer vine, which owing to the eirenmstances, must have heen fertilized with Monitor pollen. He thought the potato was a hybrid between the Monitor and Mercer, and hoped the Society would give it a name.

Specimens of a seedling potato were sent by Mr. S. Chamber, of West Chester.

A member suggested that they be named the Chambers potato.

Mr. Harrison thought it would be premature to name the potato, as it resembled another kind which he had seen. The presumption is that the potato is a seedling, hnt it may not he a new variety.

Dr. Ellwyn said it wonld he important to get a biography of potatoes, for the purpose of ascertaining where they came from and their quality. He was satisfied that potatoes changed their characters with the soil and climate.

Mr. Harrison gave an account of the origin of the varions potatoes now grown, during which he said that the Early Goodrieh and the Harrison potatoes were the most productive.

Mr. Fort stated that he had obtained the largest erop by cutting the potatoes, and planting in farrows two feet apart.

Mr. James Thornton stated that so far as his experience went, he gave his decided 41 Park Row,......New York. preference to the Early Goodrich, as the best early potato that can be planted.

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending March 29, 1867.] FARM PRODUCTS, FUEL, &c. Hny # ton......\$38 | Wood # cord.....\$6n9 50

Straw of ton	Denns B dagite				
Coal # ton \$10 50a12 50	Potatoes90c				
Oats # hush85a90c	Onions90c				
GROCERIES, &c.					
Flour\$I1a17 00	Raislns				
Coru Meal\$1 30	Molasses ₩ gnl75a85c				
Rve\$1 50	Y. H. Tea				
Saleratus10al5e	Black Tea80ca\$I 20				
Kerosene Oll	Oil 13 gal				
Cheese 39 lb24c	Fluid # gal				
Butter # 1b40, 42a45c	Cnndles # lh25a50c				
Codfish8e	Eggs fb doz30e				
Java Coffee # tb25a50c	Lard # 1b16ac18				
Mnckerel, newI0a12c	Sugar 33 tb14a18c				

Maria de la constantia della constantia de la constantia della constantia della constantia										
Beef Steak	Hnms16a									
Beef, corned12a16c	Poultry20a									
Tongues, clear25c										
Mutton12a16e	Sausages									
Veal16a20c	Tripe									
Pork, fresh12a16c	Pork, salt									

## BRIGHTON CATTLE MARKET.

March 20th, 1867.

At market for the current week: Cattle, 1789; Sheep and Lambs 4788. Swine, 2200.
PEIOES, Beef Cattle—Extra, \$13.50@\$14.00; first quality, \$12.75@\$13.25; second quality, \$11.00@\$12.00; third quality, \$10.00@\$11.00 \$100 lbs (the total weight of hides, tailow and dressed heef.)

ressed need.) Country Trillow 7@7½c 3 lb. Country Trillow 7@7½c 3 lb. Brighton Hides, 10@10½c 3 lb; Brighton Tallow, 7½@8c

### Marriages.

In Woonsocket, March 2L by Rev. D. M. Crane, Charles E. Keach to Ellen M. Carr, both of Woonsocket. In Burrillville, 24th instant, Mr. Benjamin Whiteley to Mrs. Alice A. Preshrey, of Pascong.

In Putnam, on the 13th instant, hy Rev. C. Willett, Mr. Vernon T. Wetherell, to Miss Eliza J. Hyde. 19th instaut, Mr. Joseph Morse to Mrs. Almira M. Barher, all of Woodstock.

In Holliston, March 12, by Rev. A. F. Herrick, Mr. Edwin D. Pond to Miss Chroline A. Ware, both of Medway.

### Deaths.

In Woonsocket, March 21st, Mrs. Rhoda D., wife of John Bartlett, Esq., nged 67 years.

In Providence, R. 1., 24th inst., Mrs. Pricilla Sunth Foster, wife of Samuel Poster, nud sister of Hon Amos D. Smith and Scr-Gov. Jnmes Y. Smith; 21st inst., suddenly, Louis F. Prentice, son of Duniel A. and Mary S. Prentice, aged 18 years.

In North Providence, 20th Inst., Ellza H., wife of Joseph Brown, Jr., in the 25th year of her age. In Central Falls, 23d inst., Ardelia C., wife of B. E. Borden, Esq., aged 53 years.
In Centrednie, 15th inst., Eliza A., wife of Cornelius M. Capron, in the 24th year of her age.

In Pawtuxet, Warwick, 25th inst., Hon. Henry Butler, in the 35th year of his age.

lu Coventry, 21st inst., Samuel W. Arnold, in the 77th year of his age.

lu North Foster, Albert T. Williams, in his 38th year.

Iu Chepachet, 20th inst., Miss Mnry Hawkins, aged 80 years

In Kingston, R. I., 22d Inst., Susan Rebecca, wife of J. Henry Wells, in the 30th year of ber age. In Frmklin, Mass., 19th inst. Edward A., only son of Geo. M. and Martha J. Gillmore, aged 3 years, 7 months and 2 days.

In Upton, Mnrch 16, Henry A. Whitney, aged 25 years. In Milford, March 22, Hattic R. Ormes, aged 18 years.

## Mew Advertisements.

### Rhode Island.

FARMERS

AND GARDENERS, ATTENTION SUBSTITUTE FOR PERUVIAN GUANO.

BAUGH'S RAW BONE SUPER PHOSPHATE OF LIME,

the BEST and CHEATEST Manufactured Fertilizer in the United States, for Wheat, Rye, Barley, Oats, Corn, Potatoes, Buckwheat, Tohacoo, Hops, Turnips, and nil Garden Vegetables, Small Fruits, and every Crop and Plant. Particularly recomnended to Cultivators of Strawherries, Raspherries, Blackberries, and all smull Fruits, as far superior to any other Fertilizer in market.

Pamphlet of 90 pages, "How to Maintain the Fertility of American Farms," giving full information in regard to the use of Manures, &c., sent free, on application to

Pampine vi. giving full information to merican Farms, giving full information to Manures, &c., sent free, on application to JOSEPH HODGES & CO., Agents, Providence, R. I. www.e-I2

1. HODGES. } J. W. PERSONS. \ March 30, 1867.

## 段ew 梦ork.

New Books!! New Books!

FARMERS, GARDENERS AND LOVERS OF COUNTRY LIFE.

Published and For Sale by

ORANGE JUDD & CO.

### GARDENING FOR PROFIT:

IN THE MARKET AND FAMILY GARDEN.

BY PETER HENDERSON.

A new, finely illustrated work on Market and Fnmily Gardoning, and the first ever prepared by a Market Gardener in this country. The author is well known, and he here records his uccessful experience of cighteen years.

The Louisville (Ky.) Journni says of this work:

"We know of no mannal on any subject that surpasses this. Every part of it displays the hand of a man thoroughly at home with his subject; it is full of sound, excellent sense, expressed in clear and concise language. We say a great deal when we say that Mr. Hendersou is as complete as a writer on gardening as he is a practitioner in his geutie hut lahorious art."

William Saunders, Esq., of the Department of Agriculture, Washington, writes:

"It is the most practically useful work of any on the same thject. In these days of book-writing, it is refreshing to meet work that has common sense and practical experience for its

a work that has common sense was hardened the holds.

Hon, Horace Greeley thus spenks of this hook in the New

"READING FOR BOYS.—This work would probably not be selected by most hoys as the hook for their money, wherein they would evinee their usual greenness. There are mirvels of transformation and rapid production recorded therein, which might well shame the dull fancy of the author of ALADDIN or of KALODLAH. To know that a few rods of good land may well employ and will surely reward the constant labor of a stout man—that there are choice gold-fields nil around us for those that 'know how to dig'—that \$1.000 may be wisely and profit-shly expended in dealing, subsoling, fertilizing, and deeply tant 'know how to dig'—that \$1.000 may he wisely and profit-ably expended in draining, subsolling, fertilizing, and deeply pulverizing a single acre—that he who would get rich by gard-ening must pile ou maaures hy the hundreds of tons—that great crops always pay; half crops never—such are a few of the im-portant truths succintly set forth and tersely cnforced in Mr. Henderson's littic volume. There is no theory ahout it—one who has made himself rich by market-gardening, plainty tell our young men how they can get rich as easily as he did, and without wandering to California or Montana for it either." Price, \$1.50.

### GRAPE CULTURIST.

NEW EDITION, REVISED AND ENLARGED.

Brighton Hides, 10@10½ © 10; Brighton Tailow, 7½@8c

1 h.

Wool Sheep Skins, \$1 25.6\\$275. Dry Sheep Skins, 62c®

1 3 skin. Caif Skins, 18 to 20c.

The quality of Beeves at market is not much different from that if last week. Extra Cattle command full as high prices, but on the ordinary grades there is a slight decline and trade is not active.

Stores—There are hut few Stores brought into market at this season of the year. Most of the small Cattle are sold to slangth; the treat in a full condition.

Working Oxen—Sales at \$185, \$190, \$162, \$210, \$215, \$250.

MILOH Cows—Sales at \$185, \$190, \$162, \$210, \$215, \$250.

MILOH Cows—Sales extra \$80a100; ordinary \$60 @ \$75.—

MILOH Cows—Sales at the rew good Milch Cows in market.

The symbol for much different from that in the symbol for the year of the year. Most of the vine most clearly, and lilustrates it so plainly that no nace an full to understand it, and lilustrates it so plainly that no nace an full to understand it, and MILOH COWS—Sales extra \$80a100; ordinary \$60 @ \$75.— Mr. Fuller gives this knowledge of the vine most clearly, and Store Cows \$35a50. There is hut a few good Milch Cows In market.

Sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than that of last the sheep and Lamhs.—The supply is smaller than the sheep and Lamhs that no near call that no near call the sheep and the supply is smaller than the near the sheep and the sheep and the supply is smaller than the near the sheep and th

written. An additional list of varieties, including synonyms, Great American Tea Company. has been given, and important additions have been made through the volume. Garden culture is treated as well as that of the vineyard, and the book is equally adapted to the owner of a single vine, or the one who has thousands of vines. Wel Illustrated. Price, \$1.50.

#### THE AMERICAN

#### HORTICULTURAL ANNUAL, for 1867. A YEAR BOOK FOR THE GARDENER, THE FRUIT GROWER,

AND THE AMATEUR.

It is a heautifully illustrated volume of 168 pages. It contains nu Almanne and Chlendar for each month, giving hints for work in the various departments, with useful tables, and nn article on Growing Grapo Vines from cuttings, by William Patrick; How Horseradish is Grown for Market, by P. Henderson; Home Decorations, by A. Bridgeman; The New Apples of 1866, by Dr. J. A. Warder; New or Noteworthy Pears, by P. Barry; Small Fruits in 1866, by A. S. Fuller; Rarer Valuable Evergreens, by T. Mechan, with valuable contributions by other writers. Price, fancy paper envers, 50 cts.; cloth, 75 ets.

#### THE AMERICAN

#### AGRICULTURAL ANNUAL, for 1867.

A companion volume to the Horticultural Annual, and containing, hesides an Almanac with hints about work for each month, an Essay on Draining, by Col. George E. Wariug, jr. articles on the Culture of Sorghum, by Wm. Clough; Some of the Newest and Best Potatoes, by Wm. S. Carpenter; How to Train n llorse, hy S. F. Headley; Essential Features of a Good Barn, with Plnn, hy Dr. F. M. Hexamer; Recent Scientific Progress in Agriculture, by Prof. S. W. Johnson, of Yale College; The Culture of Wheat, by Joseph Harris, and other value able essays upon subjects of interest to agriculturists. Finely Illustrated. Price, fancy paper covers, 50; cloth, 75 cts.

HINTS TO HORSE KEEPERS.

By the late HENRY WILLIAM HERBERT, (Frank Forrester).

Beautifully Illustrated.

A COMPLETE MANUAL FOR THE HORSEMAN,

This is unquestionably the most comprehensive and valuable work of its size to be found upon the subject treated. The 'llints" arc intended to include every subject of Interest to those who, for pleasure or husiness, own or use a horse, Price, \$1.75.

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We have no work which is so safe a guide to the novice in gardening, or that imparts the necessary information in a style so free from technicalities. Not the least lateresting part of the work is the author's personal experience, as he tells not only how he succeeded, but the mistakes he committed. Beautifully Illustrated, Price, \$1.75.

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Directions are given for growing Dwarf Apples, Pesrs, Cherries and Plums, Figs and Filherts. Nothing is more gratifying than the cultivation of Dwarf Fruit Trees, and this tells how to do it successfully, in Clty Ynrds or extensive Gard-Price, \$1.00.

### Saunders' Domestic Poultry.

BY S. M. SAUNDERS.

This is a new edition, revised and enlarged. 1t contains of the other articles, complete Instructions for Breeding and Fattening Fowls, and Preparing for Exhibition at Poultry Shows. An account of Poultry Breeding on a large scale, as practiced in the neighborhood of Paris, is given lu an appendix Price, paper, 40cts; cloth, 75cts.

## PEAT AND ITS USES

AS FERTILIZER AND FUEL.

A NEW WORK ON PEAT. By PROF. S. W. JOHNSON, of Ynle College.

An invaluable work to those having Peat or Muck Swamps, or who wish to know more of this subject, which is now interesting so many farmers and land owners. It gives a full his tory of Peat, Muck, etc., telling what they are, where found,

#### and how to estimate their value. Price, \$1.25. COPELAND'S COUNTRY LIFE.

BY ROBERT MORRIS COPELAND.

A COMPENDIUM OF AGRICULTURAL AND HORTICULTURAL PEAOTICAL KNOWLEDGE.

An elegant octavo volume, hound in beveled honrds, and con-talning 926 pages and 250 engravings. It is adapted not only to those owning large estates, but contains directions for the hest arrangement of the smallest Plots, down to the City Yard, the

Any of the above will be sent, post-paid, on receipt of

Roof or Window Garden, or the simple Flower Stand.

ORANGE JUDD & CO., 41 PARK ROW, NEW YORK.

March 30, 1867.

## Massachusetts.

CARROT AND MANOOLD WURTZEL SEED.

I raised the past season a fine lot of Long Red, Yellow Globe, and White Mangold Wurtzel Seed, and will send either vnriety, post-paid, to any nodress, for \$1.00 \$7 fb.

Also, Long Orange Currot Seed, of my own growing, for \$1.25 \$7 b. I here offer an opportunity for all to procure Seed DIEEOTLY FEOM THE GROWEE.

JAMES J. H. OREGORY, Marhlehend, Mass. ōw-ee-12 March 30, 1867.

BY MAIL, PREPAID.

CHOICE FLOWER AND GARDEN SEEDS, NEW STRAWBERRIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., Is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Uniou in perfect safety, a complete assortment of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS. GOOSEBERRIES, BLACKBERRIES, ROSES,

### FLOWERING PLANTS.

Bulbs, Lilles, &c., &c. Fruit and Ornamental Trees and Shribs, Evergreens, Hedge Plants, &c., will be sent by freight puld to Boston. Also, the Truo Cape Cod Crnaherry, for cultivation in wet land, or in upland and Gardens, where it produces at the rate of 400 husbels to the acre; with directions for cultivation. Friced Descriptive Catalogues will be sent to any address. Now is the best time for Planting. The heat way to bottain good Fruits and Flowers, and Seeds, is to send direct to the Grower. Send for a Catalogue. Wholesale Catalogues to the trade. Agents wanted.

Tlymouth, Mass., March 30, 1867.

### THE IMMENSE PROFITS

TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago. onsumers of Tea and Coffee were paying too many and too arge profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American houses,

leaving out of the account entirely the profits of the Chinese

lst. The American House In China or Japan makes large profits on their sales or shipments—and some of the richest retired merchants in this country lave made their immense fortunes through their houses in China.

2d. The Ranker makes large profits upon the foreign exchange used in the purchase of Tens.

3d. The Importer makes a profit of 50 to 50 per cent in many cases.

4th. On its arrival it is sold by the carge, and the Davahars sells to the Succession.

cases.

4th. On its arrival it is sold by the cargo, and the Purchaser selfs to the Speculator in involves of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator selfs to the Wholesale Tea Dealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer selfs it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer selfs it to the Retail Dealer at a profit of 15 to 25 per cent.

8th. The Retailer selfs it to the Consumer for all the profit ho can cet.

When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small dealers.

We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in Claina and Japan, one cartage, and a small profit to ourselves—which, on our large sales, will amply pay us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them st our Warehouses in this city.

Some parties inquire of us how they shall proceed to get up n club. The answer is simply this: Let each person wishing to join in a club say how much toa or coffee he wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and nmounts plninly on a list, and when the club is complete send it to us hy nnil and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the memhers of the chih can divide equitably among themselves.

The funds to pay for the goods ordered can be sent hy drnfts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount ordered exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party

getting up the club. Our profits are small, but we will be as liberal as we can afford. We send uo compilmentary pack-age for Clubs less than \$30. Parties getting their Teas from us may confidently rely upon

getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wints of Clubs. They are sold in Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

## PRICE LIST:

YOUNG HYSON (Green), 80c, 90c, \$1, \$110, best \$125 7 b.
GREEN TEAS, 80c, 90c, \$1, \$110, best \$125 7 b.
MIXED, 70c, 80c, 90c, best \$17 7 b.

JAPAN, \$1, \$110, bast \$125 7 b.

OOLONG (Black), 70c, 80c, 90c, best \$17 7 b.

IMPERIAL (Green), best \$125 7 b.

ENGLISH BREAKFAST (Black), 80c, 90c, \$1, \$1 10, best, \$120 7 b.

\$1.20 \$1.10. GUNPOWDEP. (Green), \$1.25, best, \$1.50.

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, nud a high degree of pleasure in drinking them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, heing composed of the best Fon-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, although it is the finest imported.

Customers can save from 50c, to \$1 per ib by purchasing their

#### THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 30c., byst 40c. per pound. Hotels, Saloous, Boarding-house keepers, and families who ase large quantities of Coffee, can economize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 20c. per pound, and warrant in give perfect satisfaction.

Club Orders.

WASHINGTON, Pn., Nov. 10. 1566.

To the Great American Tea Company,
Nos. 31 and 33 Vesey-st., New-York.

Gents: I forward you my fourth order and could have doubled it if 1 had collected any, as your Teas take the lead in the market, we feel it a saving of \$1 per pound. Please accept my thanks for the complimentary package. Address by Express. Martin Luther. Washington. Pa

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2 fb Oolong, hest....Separate package...at 1 00. 5 fb Ground Coffee...Separate package...at 35.

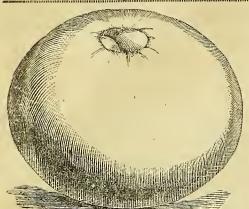
We call special notice to the fact that nnr Vesey-st. Store ls at Nns. 31 and 23 Vesey-st., corner of Church-st.-LARGE POUBLE STORE.



Sorrow sobers us, and makes the mind genial. And in sorrow we love and trust our friends more tenderly, and the dead heeome dearer to us, and just as the stars shine out in the night, so there are blessed faces that look at us in our grief, though hefore, their features were fading from our recollection. Let not man dread it too much, because it is good for him, and it will help to make him sure of his heing immortal. It is not in the hright happy day, hut only in the solemn night, that other worlds are to be seen shining in their long distances. And it is in sorrow—the night of the sonl—that we see farthest, and know ourselves natives of infinity and sons and daughters of the Most High.







### A SUPERIOR TOMATO.

This is a fair representation of "Maupay's Superior," one of the best tomatoes of recent introduction. It originated with Messrs. Maupay, of Rising Sun village, Pa., and is a cross between the old fashioned Scarlet 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 no waste occurs, as in other varieties. Its size is medium, the flosh exceedingly solid, and has but few seeds.

The Magazine of Horticulture, for March, speaks highly of the Maupay Tomato—an anthority not to be disputed. We advise the lovers of this fruit to procure a few seeds, or plants (obtained of most respectable seedsmen), and try it the coming season. If the seed cannot be found at seed stores, send to Messrs. Manpay

## The Stack-Yard.

& Hacker, 805 Market street, Philadelphia.

### DISEASES OF HORSES AND CATTLE.

Written for the Farm and Fireside, BY I. MIOHENER, CARVERSVILLE, PA.

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 that it would be about as useful 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 medicine, as if he had never read them, or most certainly of their practice.

Even if such books have been written by men of enlarged experience and skill in their profession, particularly in writing on medical science, they are too brief to give an idea sufficient to practice upon, or to understand the modus operandi of medicine.

All intelligent people know that in order to qualify a person for the practice of law, of 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 responsible professions, (although it is no uansual thing for persons professing to be veterinary surgeons, to be palmed upon the community after having taken office instructions for a few weeks); and even then it takes a great deal of experience to enable them to discharge the various brauches of their profession with credit to themselves and advantage 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 practice of medicine, what benefit can a person receive from reading one of those small works, that does not contain one hundred per cent. of the information that is necessary to enable the reader to diagnose the different diseases and treat them successfully? But, suppose these books to have been written without a proper knowledge of pathology and of the modus operandi of medicines-and their 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 would be the result.

For instance, one of the above class of writers gives the following instructions to farmers tin, and one oz. of cream of tartar, and disfor the treatment of pneumonia (inflammation of the lungs) in horses. He says: "the first cover one pound of wool, As soon as disthing to be done is to bleed largely, or until the horse shows signs of fainting; then give two drachms of tartar emetic and 30 grains of digitalis, at a dose, and repeat every three or six hones; and if no better in twelve hours, repeat the bleeding and continue the medicine.' No conscientious veterinary surgeon, who nn- in six oz. of sulphuric acid, by letting it stand derstands the operation of these powerful medicines, would 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 ("caked bag") to apply cold applications. Ititle more wool a very light green.

Both of these recommendations are grossly unscientific and absurd.

By employing warm ponltices in acute mammitis we would draw more blood and fluids into the already over-charged vessels of the bag, injuring them as milk secreting vessels, and rendering the cow worthless for dairy purposes. On the contrary, the treatment should be such as science approves and common sense dictates; such treatment as will allay inflammation and remove congestion from the mammary glands. Cooling, evaporating lotions will accomplish this; and if the hardness is not entirely subdued, rub emollient liniments faithfully into the parts, and give internal absorbents.

For chronic mammitis, instead of cold applications, 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 excitc the vessels to the removal of the obstructions 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.

KILLING TIOKS ON LAMBS. - All concur that dipping lambs in a decoction of tobacco, strong enough to kill ticks, is the most effectual mode of removing these parasites from the flock. The time of our correspondents' dipping them varies from two or three days to two weeks after shearing the dams. We prefer the latter time, so that all ticks on the ewes shall have had time to get (as they will), on

the lambs.—Exchange.

Sheep prefer upland pastures, and a great variety. It has been proved that the pasture has a greater infinence than climate on the fineness of wool. Fat sheep yield heavier and 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 quantity of fleeces and the size of the sheep will increase, but the fineness of the wool will not be

To DYE SOARLET.—Take one and one half oz. cochineal, one and one half oz. solntion of 233 State Street, and 130 Central Street, Boston solve in a brass kettle, with water sufficient to solved put in your wool, or woolen hanks, and boil them one honr. Then take out and rinse well in three or four cold, clear waters. After dying the scarlet, the same dye will dye a little more wool a light salmon color.

To DYE GREEN.—Dissolve one oz. of indigo twenty-four hours or longer. Then put this solntion in a large iron pot, filled with a strong decoction of red oak and hickory bark, in which has been dissolved half a pound of almn. Put in your three pounds of wool, or directed to treat cows for inflamed adders (or woolen hanks, and boil three quarters of an acute mammitis), by applying a warm drawing hour. Then rinse well in three or four cold. poultice, and hasten the formation of pnss as clear waters. After dying your three pounds fast as possible; and for chronic mammitis, of wool a deep green, the same dye will dye a

## Advertising Bepartment.

## Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS,

SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS, GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINGEN HARROWS, CULTIVATORS, ROAD SCRAPERS, OX YOKES, AND PLOW CASTINGS;

And Wholesale Dealers in

Hoes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES,

Whitcomh's Patent Horse Rake, and the best Hay Tedder in the market. Prices low and Terms Cash.

PROVIDENCE, R. I.

W. E. BARRETT & CO., PROVIDENCE, R.I.

Now offer at the LOWEST CASH PRICES,

Now offer at the LOWEST CASH PRIOES,

2000 Sacks Prime Red Top.
500 Bags Prime Herds Grass.
500 Western and Northern Clover.
1500 Bushel Prime R. I. Bent, for Pastures.
200 Seed Barley.
100 Seed Barley.
100 Bedford Seed Oats.
100 Early Goodrich Potatoes.
200 Early Goodrich Potatoes.
200 Harrison Potatoes.
200 Harrison Potatoes.
200 Harrison Potatoes.
200 Fall White Peach Blows.
100 Harrison Potatoes.
200 Bushel Prime R. I. White Cap Corn.
100 Condon Hort, and Concord Pule Beans.
200 Millet and Hungarian.
200 Millet and Hungarian.
White Dutch Clover, Orchard Grass, Onion Sets, and a complete assortment of GARNEN SEEDS,

Raised for us with great care. 200 Barrels dry ground Bone for Mannre, together with all kinds of Farm Implements and Mannre, together with all kinds of Farm Implements and Machinery.
Send for Circular of Mead's Conical Plows and Share's Horse Hoes—and don't forget the number,

32 CANAL STREET, 32.

March 23, 1867.

PROVIDENCE. we-tf

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO 32 Canal Street, Providence, F

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Canal Street, Providence, R. L.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or hy single dozens, by the Manufacturers' Agents, W. E. BARRETT' & CO., 32 Canal Street, Providence, R. L. DERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the hest in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEED can be had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

BARRETT'S EXTRA EARLY CABBAGE,—The hest an largest in the market. Price, 25 cents a paper. Raise and sold by W. E. BARRETT & CO. 187.

### Massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS OASH ADVANCES MADE ON CONSIGNMENTS.

It is claimed that this Fertilizer is superior to any in the market, its virtues and merits over others being to prevent all insects and worms from destroying crops of plants, without burning or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRIOE \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

GREGORY'S SEED CATALOGUE, will be sent gratis to any address. It contains over one hundred and twenty varieties that I grow myself, besides many kinds imported from England and France, and procured of the most reliable seedsmen in the United States. Farmers and Gardeners will find in

NEW AND RARE VEGETABLES.

some of which are not to be found on the list of any other seedsman.

I offer an opportunity for all to procure their

BEET, CARROT, ONION, AND MANY OTHER VARIETIES OF SEED, DIRECTLY FROM THE GROWER.

OF SEED, HIRECTEF FACE.

As the original introducer of the Hubbard Squash, Marble head Mammoth Cabbage, Boston Curled Lettuce, and man other new vegetables, I invite the patronage of the public.

JAMES J. H. GREGORY,
Marblehead, Mass.

March 16, 1867.

3w p&w 10

SOUTH DOWN CO.'S PATENT

# SheepWashTobacco

CKS, SCAB, VERMIN AND FOOT ROT,

This pure preparation has been successfully used for ording to directions.

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sheep.

If cures SCAB on Sheep

It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT It is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Bruggists and Country and Agricultural Stores.

JAMES F. LEVIN, 23 Central Wharf, Boston, Massachusetts.

For sale by KENDALL & WHITNEY, Portland, Me.; N.S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

## Pennsylvania.

RHONES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIO ACID. VALUABLE FOR

EVERY DESCRIPTION OF CROPS.

Manufactured by

Endorsed and recommended by Dr. EVAN PUGH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say

FULLY UP TO THE STANDARD, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHODES' SUPER PHOSPHATE.

YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Delaware.

418 South Wharves, PHILADEL PHIA. March 23, 1867.

MENDENHALL'S IMPROVED SELF-ACTING

In these days of SHODDY, and high priced goods, every fami-

HALF THE COST

of clothing a family can he saved by its use. It is simple and durable, easily understood, and easy to operate. No skill is re-quired to weave with it heyond the simple turning of an easy FROM 15 TO 35 YARDS CAN BE WOVEN ON IT IN A

FARMERS 1

don't sell your wool and huy Shoddy, when with one of these Looms in your house the Gibls can make all the clothing for the family, and much better quality, at half price.

By late improvements, RAG CAEPETS can be woven with the FLY Shuttle.

For circulars, price list, and samples of cloth woven on the Loom, address with stamp,

A. B. GATES & CO.,

333 Chestnut St., Philadelphia.

A. B. GATES & CO., 333 Chestnut St., Philadelphia. Also, Bealers in Cotton Warp, Wood and Flax Filling Yarns, Reeds, Harness and Loom findings generally. March 2, 1867.

## Hew York.

HICKLING & CO. S

GREAT SALE OF WATCHES.

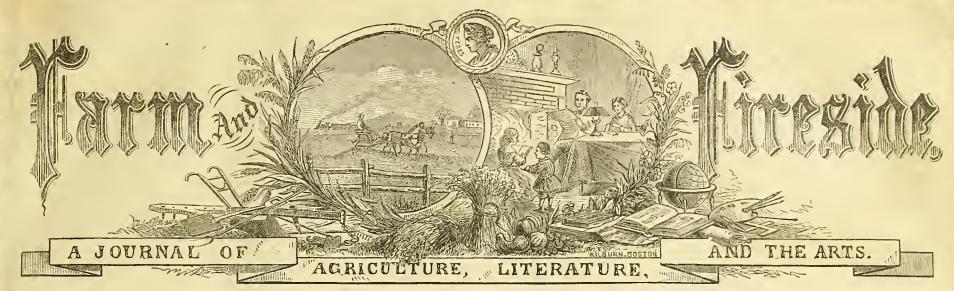
e popular one price plan, giving every patron a handsome clable watch for the low price of Ten Hollars! Without I to value, and not to he paid for unless perfectly satis-

W. E. BARRETT & CO., Manufacturers of Mead's Paten Conical Plows, Shares' Patent Horse Hoes, Chase's Two Horse Potato Riggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.



THE FARM AND FIRESIDE 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 Publisber will be to make a journal cminently 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 its columns this journal will advocate the best interests of the farm and fireside. Terms—\$2,00 per year, in advance. Single copy 5 cents.

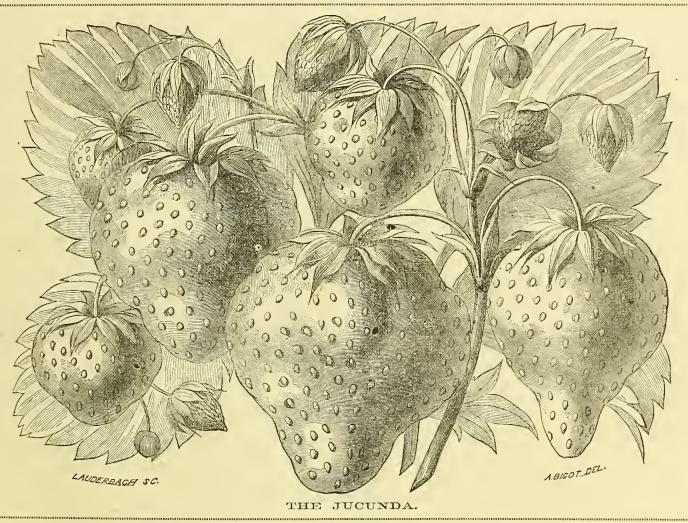




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WOONSOCKET, R. I., SATURDAY, APRIL 6, 1867.

NO. 13.



## Marticulture.

VOL. 1.

### THE STRAWBERRY.

To speak of the value of the strawberry to horticulture, would be but a "thrice told tale." sh? If land is scarce, oue-sixteenth of au moderate family, if earefully planted and culti- vated ou genial soil, and well cared for. vated. If the planter is a novice, let him choose the Albany; it will grow and produce good crops without any eare. If a little skill of weather. Some cultivators recommend to choose the Hovey and Large Early Searlet, or Jenny Lind; one will ripeu early, the Hovey itiated are not willing to believe it. By planta little later. Two varieties are sufficient for ing in Summer, the plants will bear a fair crop any farmer; but if more and fancier varieties are desired, get the Russel, French, Fillmore, may bear some fruit the same season; but not or even the Agriculturist. All our readers as a general rule. Seleet strong runners, nevhave heard of the Triomphe de Gand; and, have been lauded over the entire length and stopped, as it is termed, by breaking off the ex-

older sorts; recently it was revived, and has plantation may be kept longer in good bearing without manure; and if drained, produces, as the fruit grower, and the facility with which it had extensive culture. I is, in some localities, may be cultivated by the merest novice in and with eareful treatment, a good and handsome fruit. The Jucunda is not yet so fully and keeping the plants more in hills. Some We shall content ourselves, therefore, at this known, but is, undoubtedly, a valuable varietime, in view of limited space, to say to farm- ty. It was propagated by J. Knox, Pittsburg, ers and others who desire to promote the cour- Pennsylvania. No plants were sold until 1865, this is a wise method, as the soil is thereby refort and enjoyment of their families, provide -consequently those vines are but just coming newed and a rotation of crops carried out. a good strawberry bed, of at least half a rood into bearing. This variety was formerly enltiin extent—only the eighth of au acre. How vated by Mr. Knox under the name of "Seven product per acre of a strawberry plantation; many patches, of much greater extent, are an- Hundred." It has been endorsed by several uone of these are worth repeating, as the nually lost by being receptacles of weeds and prominent horticulturists as a vine of great product will depend mainly on the treatment. promise. The engraving above gives a true acre will produce ample strawberries for a representation of the Jucunda, when culti-

The best season for planting, we think, is in the latter part of Summer, iu a favorable spell and attention is to be given to the fruit, let him plant in the very driest time; this may be practicable, as they affirm it is; but the nninthe eusuing season. Plants put in in Spring, er old plants. The runners should be prepared more recently, of the Jucunda. The last two the Summer previous, by being layered, or

The Triomphe de Cand was introduced from up to the young plant. Strawberries are now of sanding by causing an overgrowth of other Belgium, about twelve years ago; we culti- generally planted in rows, varying from two to plants. The mud in the bogs of that State is vated it as early as 1856; it was then discarded three feet wide, according to the ideas of the by Messrs. Hovey, and others, as inferior to eultivator. If wide rows are adopted, the fertile enough to grow heavy crops of wheat, condition, by keeping the soil clean and well worked, removing the superfluous runners, extensive cultivators do not allow a plantation to remain more than three years until renewed: Fabulous accounts daily meet the eye, of the

### CRANBERRY CULTURE.

In your article on the Cultivation of the Cranberry in the issue of March 16th, you say that "in Michigan, on the lake shores, they successfully grow the cranberry on black mud and peat. Such lands are natural to this vine, and in its cultivation we should follow nature.

We would like to know, in New Jersey, if this is so, because we have been informed, by and there a bunch of berries growing upon men who have resided for twenty years in that State, that they are only a natural growth. I agree with you that the mud bottom is nature's

washed from a soil which, though sandy, is a consequence, a heavy growth of grasses and plants that would smother the crauberry vines.

After teu years of experience iu improving a uatural bog, I know that unless the bog is made dryer by draining, newly planted vines grow so slowly that it takes years (about six years) before the viues produce a full crop. By draining, the same result can be brought about in half the time-say three years. This is difference enough to prevent such men as would euter iuto cranberry eulture from commencing the undertaking. But if this drainage increases the growth of grasses and other plants so much, they would prefer to submit to the slower growth, and leave it wet, as the lesser cvil of the two. We know, from our own experience, that it is the wetness of bogs that prevents the growth of trees, bushes and grasses that would otherwise occupy the "Thousand acre Cranberry Bogs" we licar of in that country, the viues of which have here them, between "wind and water," as the Western men say.

Cranberries grow in very wet places, supplace for them; but it must be covered with ported on the sphagnum or water moss; remove coarse sand, and the land drained. In Michi- the moss, and they would live out a miserable breadth of the land. Their praise is in every tremity of the runner, after the first joint, and gan the land is mixed with mineral and other existence. Turf or plow the same place, and fruit-grower's mouth (if not the fruit itself). asying a small stone on it, or drawing the soil fertile matter that would destroy the benefits plant viues, and they would not grow at all.



A Paris letter says: The French are wonderful gardeners; their little patches of ground are not idle 'a minute, and they produce berries three times a year off the same plants. I had excellent strawberries here as late as the third of October. They don't let their fruit trees cover up the ground, but spread them out flat on walls, in the shape of fans. And magnificent fruit they have, too. Grapes are as common here as weeds are at home, and the same white grapes you raise in hot-houses, and pay a dollar a pound or more for, you can get here more than you can eat at one time, for five cents. The pears are very fine, costing about two cents each.





Natural vines in wet places are frequently in- RHODE ISLAND HORTICULTURAL SOCIETY. debted to this moss for their existence. To follow nature then, you must first grow the moss, and afterwards the cranberry vines. This would be more tedious than growing shade trees for the next generation. It is true, they can be planted in the growing moss, and at some indefinite time may produce a crop, it 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 this vine from its natural growth; and acting upon such observations, I have increased 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 mnd hottom to a greater or less degree. Once or twice in May, after the huds had swelled largely, the frost destroyed all of those on the mnd bottom, excepting those on the sandy ledges and on the parts covered with sand. Several times in September, from the third to the eighth of that month, the frost destroyed the berries before they were ripened, those on the sandy and sanded portions again escaping. Therefore I assert, that cranberries on a mud bottom which has not been sanded, are a very uncertain crop; but when the mnd bottom is sanded, the crop is more certain than the generality of farm crops. I intend to cover all my mnd with sand as soon as I am able to. Once, before sunrise, I saw the frost both on the 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 better conductor of caloric than the mnd, the thawing took place before the sun effected it snddenly, the fruit thereby being saved.

A mud then, such as we have in New Jersey, and the coarse, clear sand, are requisites, and we may safely drain them to bring the vines into bearing in reasonable time, and to protect the buds and finit from the late and early frosts. So far as we are informed, Michigan has not these requisites. Cape Cod, perhaps parts of 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 have good reason to suppose, that, as the month of September increases in warmth, the berries soften so much in ripening, that they become but an inferior article, and eannot compete in the market with our more Northern

From these causes, and also from the fact that only a small percentage of our acres are fit for the more profitable culture of this berry, we have confidence in making the necessary heavy outlays in eranberry culture. One thing more; I leveled down a knoll, or a slightly elevated piece of coarse land, and put it upon the surrounding mud bottom, making all of one level, and planting the space in crauberry vines, which have now been in bearing two years. The mud part, covered with sand, is producing berries at the rate of two hundred bushels per acre; and has a nice, close covering of plants that are not too large. The sandy place, from which the knoll was removed, produces only about fifteen bushels follows: A silver pitcher, two goblets and thousand workers. Each of these, in order to per acre, and has a sparse and dwarfed growth waiter, to cost not less than \$350, as the first of vines. This fact shows the difference between clear sand and soil, with a good proportion of vegetable matter in it. This is the experience on all the plantations or savannahs in The first premium to be given to the best genethis neighborhood; the soil is sandy, and more or less mixed with vegetable matter. In my case, the soil was all moist alike, but savannahs are not so, the parts that are more elevated suf- State of Ohio, provided it is not awarded to ants, and other insects, exercise this antennal back?" "Then I shall erase your name and fer with the drought, and dwarf the berry as a consequence. The proportion of mnd and which ease it will be given to the second best 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 different in its habits from any other cultivated plants with which we are accustomed, or we shall make sad mistakes.

JAMES A. FENWICK.

Pemberton, N. J., April, 1867.

THE regular monthly meeting of the Society was held on Wednesday evening, March 27th, at Providence, Vice President Wm. S. Patten in the chair.

The committee appointed to consider the question of a new building, reported that it was inexpedient to make any attempt to build at this time; that the quarters now occupied were probably hest adapted for the purposes of the Society at present. The report was accented.

The committee appointed to revise the bylaws, and particularly to inquire into the expediency of doing away with the plan of numbering 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 existence, though some alterations had now become desirable. The committee presented a draft of the constitution and by-laws, embodying some changes which they had deemed useful. These were taken up by sections, adopted in part, and the remainder laid on the table until the next meeting.

On motion of Mr. Godding, a vote of thanks was tendered to the Hon. S. S. Foss for gratuitously sending to the Society his journal entitled the Farm and Fireside.

Mr. Bonrn, from the committee on that snbject, presented the report of the committee appointed to recommend a list of premiums to be awarded at the June exhibition. The report was adopted after sundry amendments

The following gentlemen were admitted members on the usual terms: Lawrence Towne, J. H. Bongartz, E. W. Billings, Avery Wilkinson, J. L. Sherman, C. E. Boon, W. Jackson, T. M. Rounds, Emilio Castillo, Jno. H. Hart, Albert Garfield, Edward B. Perry, Daniel Angell, Jr., Bailey E. Borden, Alvan F. Stevens, Rev. Isaac Cheesboro, Thos. G. Potter, Joseph H. Paine, Wm. H. Reynolds, Thos. J. Carpenter, Joseph Wm. Riee, Frederick Burgess, Jno. M. Rounds, Wm. J. Andrews, Freeborn Coggeshall, E. H. Manchester.

On motion, the thanks of the Society were presented to Hon. Isaac Newton for donations

Among the contributions presented were the

From C. Wright, gardener to G. W. Chapin, collection of eut flowers; one Azalia in pot; a specimen of Aristoloochia Braziliensis, and a new geranium, General Grant. A premium of \$5 awarded.

From W. S. Hogg, florist, a specimen of Rogeira Tbursiflora, and a specimen of Deutzia Graeilis, each in full bloom. A preminm of \$3 was awarded.

From Thomas Hannay, Madennilla Magnifica; Azalia, Qneen Victoria. A preminm of

The display of plants and flowers was large, and the specimens manifested great luxuriance of growth.

PREMIU MS FOR GRAPE GROWERS.—The Lo worth Wine House at Cineinnati offers threepremiums for snperiority in grape-growing, as \$100, as a second premium; and a silver cup, to cost not less than \$50, as the third premium. ral wine grapes of the whole country.

best variety of grapes for wine pnrposes in the the first two preminms if practicable.

## Various Matters.

#### THE ROBIN.

To the Editors of the Farm and Fireside:

I was not astonished to hear a word said against the robin, as Mr. Chase was, in the Farm and Fireside. When he has had the agree with me. I hought a farm ten years ago, and at that time was a great favorite of the sbooter fifty cents not to shoot one on my farm. Now I will give him one dollar to shoot every one that stops with me. There were a lot of young cherry trees on the farm, and I thought that I would bave an extra variety by grafting them. I went to work and grafted the third year they bore cherries that were worth six dollars per bushel, and have borne ever since; but we have not had cherries enough for our family.

I set out strawberries, and raspberries, and grapes of various kinds. When the cherries and strawberries are gone, the robins take to grapes, and by that time they are fattened for the Sonthern sportsmen. C. says that he has I never saw them eat the caterpillar, canker enemy; if he has been so to any others, please let us know through the Farm and Fire-

J. W. MATHEWSON. Johnston, R. I., April, 1867.

# OUR CABINET OF CURIOUS THINGS.

THERE are many curious things that occur in, or form a part of, the natural world. Many of them seem almost incredible, but we must believe them, because of the unquestionable probity of the naturalist who relates them. For instance, would you believe that there are

TREES WHICH GROW SHIRTS? Probably not; and yet Humbolt gives the subjoined account of trees of this character. "We saw," says he, "on the slope of the Cerva Dnida, shirt trees fifty feet high. The Indians cut off cylindrical pieces two feet iu diameter from which they peel the fibrous bark without making any longitudinal incision. This bark affords them a sort of garment which resembles a sack of very coarse texture, and without a seam. The upper opening serves for the head and two lateral holes are cut to admit the arms. They have the form of the ponchos and monos of cotton which are so common in New Granada and at Quito." We opine that such shirts will wear well; and if not easily to be washed, a weekly scraping would answer the same healthful purpose. A singular discovery, which is accredited to Mr. Jesse, is that of the antennal

### LANGUAGE OF INSECTS.

Bees and other insects are provided, as everybody knows, with feelers or antennæ. These are, in fact, most delicate organs of touch, warning of dangers, and serving the insects to hold a sort of conversation with each other, and to communicate their desires and wants. A strong hive of bees will contain thirty-six be assured of the presence of their queen, his vizier to make ont a list of all the fools in premium; a silver cup, to cost not less than touches her every day with its antennæ. Should his dominions. He did so, and put his Majthe queen die, or be removed, the whole colony esty's name at the head of them. The King desert the hive. On the contrary, should the asked him why, to which he immediately anqueen be put into a small wire cage at the bottom of the hive, so that her subjects can touch pecs to men you don't know to buy horses for The second preminm is to be given to the and feed her, they are content, and the busi- you a thousand miles off, and who'll never ness of the hive proceeds as usual. Wasps and come back." "Aye, but suppose they come the grape that receives the first premium, in power of communication. If a caterpillar is insert theirs." placed near an ants' nest, a enrious scene will wine grape in the country. The third premi- often arise. A solitary ant will perhaps disum to be given to the best table grape, for gene- cover it, and eagerly attempt to drag it away. has for years been very successful in engravral purposes, in the country. The fruit is to Not being able to accomplish this, it will go up ing on flint glass by acids. He has now sucbe exhibited at the coming fall consolidated to another ant, and, by means of its antennal ceeded in preparing an ink with which, using exhibition of the American Wine-Growers' As- language, hring it to the caterpillar. Perhaps any pen, ineffacable characters may be traced sociation of Ohio and Cincinnati Hortienltnral the two are unable to move it. They will then on glass. Society, in quantities of ten lbs. or more, with separate and bring up re-inforcements out of samples of the wines from the competitors for their community by the same means, nntil a

to draw the prize to their nest. Appropriate to this, would follow an

INTERESTING BIRD ANECDOTE.

A swallow had slipped its foot into the noose of a cord attached to a spout on one of the colleges in Paris, and hy endeavoring to escape, had drawn the knot tight. Its strength heing exhausted in vain attempts to fly, it uttered trouble with them that I have had, he will piteous crics, which assembled a vast flock of other swallows from the large basin between the Tnilleries and Pont Nenf. They seemed robin's; so much so, that I gave a robin- to crowd and consult together for a little while, and then one of them darted at the string and struck at it with its heak as it flew past; and others, following in quick succession did the same, striking at the same part. After continuing the combined operation for half an hour, they sneceeded in severing the cord and freethem, at some expense and much trouble, and ing their companion, after which followed a congratulatory jubilee. The French naturalist, Dipont de Nemoure, who relates this anecdote, was a witness of it. We will close the doors of our cabinet for the present, with something about

#### THE LONGEVITY OF ANIMALS.

Cuvier considers it probable for whales to the raspberries, then the Delaware and Diana live to the age of one thousand years. The dolphin and porpoise attain the age of thirty. A male canary will live twenty years; but seen them pick worms from almost every hill only ten years, if mated. Parrots and pelicans of eorn. I never saw them eat any other but are long-lived. An eagle died in Vienna at the the easter worm, which never did any harm. age of one hundred and sixty years. When Alexander the Great had conquered Phorus, worm, curculio, borer and such troublesome king of India, he took a large elephant which worms and insects. The robin is our worst had fought valiantly for the king, named him Ajax, and dedicating him to the snn, let him go with this inscription: "Alexander, the son of Jupiter, hath dedicated Ajax to the Sun." This elephant was found, with the inscription, three hundred and fifty-six years afterwards. We once heard of a trunk belonging to the same owner for nearly four hundred years. We were incrednlous about the matter at the time, but it just now occurs to us that the trunk in question must have been the one belonging to Mr. Elephant Ajax.

## THE MONK'S MODEL FARM IN ALGEIRA.

THE Mois Agricole contains an interesting account of the Trappist Model Farm at Chcragas, in Algeira. In 1843 Marshal Bugeand granted the Trappists one thousand two hundred hectares of land, on which, two years afterwards, three hundred thousand francs were expended by the Order in buildings. The stock of animals on the farm is now magnificent. The Trappist cows each yield sixteen quarts of milk a day, in a country where the native cows do not yield more than goats; and the sheep and pigs are equally fine. A large quantity of honey is also produced at Cheragas. There are in the establishment one hundred and eight monks, of whom twenty-two belong to the ehoir, and ten are priests. Twenty lay workmen are constantly employed at the convent, and every poor or siek wayfarer is entitled to claim or receive work there. When the Emperor visited the establishment he discovered, to his surprise, that npwards of a dozen of the monks had been soldiers of the Imperial Guard. They explained to him that, after the severe discipline and simple fare of the French army, the Trappist rule, ascetic as it is, did not appear harsh to them.

Fools.—The King of Persia once ordered swered: "Because you entrusted a lac of ru-

Engraving on Glass.—A French chemist

Over one million rats were drowned by the snfficient number are collected to enable them late freshet in Cincinnati.



Canaries.—Many a person has seen a pet canary or other bird in a state of perturbation, plucking at himself continually, his feathers standing all wrong. In vain is his food changed, and in vain is a sancer of clean water always kept in his cage. If the owner of a pet in such difficulties will take down the cage and look up to the roof thereof, there will most likely be seen a mass of stnff like red rust. That red rust is nothing more or less than myriads of parasites infesting the bird, and for which water is no remedy. By procuring a lighted candle and holding it under every particle of the top of the cage, till all chance of anything being left alive is gone, the remedy is complete. The pet will brighten up after his "house warming."







# The Fireside Muse.

#### A GRAND OLD POEM.

Who shall judge a man from manners? Who shall know him hy his dress? Paupers may he fit for princes, Princes fit for something less. Crumpled shirt and dirty jacket May heclothe the golden ore Of the deepest thought and feeling-Satin vests could do no more

There are springs of crystal nectar Ever welling out of stone; There are purple huds and golden Hidden, crushed, and overgrown God, who counts by souls, not dresses, Loves and prospers you and me, While he values thrones the highest But as pebbles in the sea.

Man, upraised above his fellows, Oft forgets his fellows then; Masters, rulers, lords, remember That your meanest hinds are men; Men by lahor, men by feeling, Men by thought, and men hy frame, Claiming equal rights to sunshine In a man's ennobling name.

There are foam-embroidered oceans, There are little weed-ciad rills: There are feeble, inch-high saplings, There are cedars on the hills. God, who counts hy souls, not stations, Loves and prospers you and me; For to Him all vain distinctions Are as pebbles in the sea.

Tolling hands alone are huilders Of a nation's wealth or fame; Titled laziness is pensioned, Fed and fattened on the same By the sweat of others' foreheads, Living only to rejoice; While the poor man's outraged freedom Vainly lifteth up its voice.

Truth and justice are eternal, Born with loveliness and light, Secret wrongs shall never prosper While there is a sunny right; God, whose world-heard voice is singing Boundless love to you and me, Sinks oppression with its titles
As the pehhles in the sea.

# Fireside Miscellany.

#### THE CURE AND THE PEAS.

There was once a cure of St. Opportune, who was very different from the conventional ideas of a priest, heing tall, thin, and delicate looking; a man with a stoop, though he was still young, and much given to study. He lived in an age which has long passed away, yet he was hehind it, for he held most autiquated opinions upon the obedience which is due from wives to their husbands, and seemed the subject was to be taken in its strictest sense; that no allowance could be made for ners and customs of different nations, but that all infringement of the rules laid down by the apostle for the guidance of those in the holy state was sinful.

He found his exhortations treated with unbecoming levity, and thereupon, became, of course, more and more earnest upon the subject, till, at last, he laid rather too much stress upon this one offence, to the overlooking of others. But he did not become unpopular upmen naturally felt great respect for a pastor who pleaded their cause so eloquently, and impressed upon their wives that submission to their will was their first and most solemn duty, while the women of his congregation were tion of feeling assured was shared by their entire sex.

But that which vexed the good cure was the bonhomie with which some of the husbands caused others who were equally tame to fancy that their will was law, and that the very women who led them hy their noses were their devoted slaves.

day addressed his congregation, after the sermon, thus: "My gardeu has been remarkably fruitful this year, especially in peas. Magnificent peas they are-the best I have yet seen; can carry away with him to any married man fellow beings are as good as themselves.

among you who can make it clear to me that he is not under subjection to his wife.'

Peas were valuable, the parishoners of St. Opportuuc were poor, and, as a rule, confident in their marital supremacy, so that there were many applicants for the prize. But the cure, trained by the duties of the confessional, was a keen hand at cross-examination, and under his home thrusts and pertiuent questions, claim after claim was upset and the candidates sent away ahashed and discomfited.

At last came a porter, an obstinate, sturdy fellow, who was confident that he at least, had the whip-hand of his wife. The cure questioned him closely, but all his answers were straight-forward and satisfactory. Even 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 plcased. His wife had not a word to say to it.

"Well," said the cure, "I am glad that I have one man in my parish who knows how to be master in his own house. Come to-morrow cause they can. morning and fetch your peas."

So the next day the porter came to the curc's house with a small sack, which he hegan to fill. "You should have brought a larger one," said the cure.

"Well, now," replied the porter, pausing in the task, "I should have done so, only my wife would not let me."

"Ha!" eried the cure, "let my peas alone, my man!"

### THE DATE PALM.

The Date Palm at an early period of history must have engaged man's attention in an eminent degree. It grows, to begin with, in a tract of country where atmospheric moisture of any kind is so scanty that its leaflets, unlike those of other Palms, are constructed so that at their base they form little receptacles, and thus catch every drop of moisture. It has no branches like other trees, or as the Gingerbread Palm (Hyphæne thebaica), with which it is occasionally associated. It has several feathres in common with man which no explanation could remove from the minds of primitive people. ts hody is covered with hair, like the body of man; its head, once cut off, would no more grow again than that of a human heing; the male and female are represented by different trees, and it is well known that the to consider that what St. Paul had said upon female would die an old maid unless some bachelor should take compassion on her. Add to this that the whole population at that time the changes which had taken place in the man- relied upou dates as their staple food, as is still the case in those countries. Moreover, take into consideration that impression produced upon an uniunaginative people, when, after travelling for days in dry, dusty, waterless deserts, 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 ou this account—rather the reverse; for the impression upon them. As they lay under the trees and saw the evening breeze gracefully playing with the feathery leaves which formed bold arehes over them, gilt by the last rays of the setting sun, and soon to he silvered by the rising moon—a forcible appeal must have heen the world; they threaten us, but a firm resisglad to have slight attention paid to the con- made to the religious element of their compofession of other sins of which they were sition, and these Palm groves must have apashamed, and the full vials of clerical wrath peared to them places peculiarly suited for the poured upon one which they had the consola- purposes of worship. And such indeed was the case. Palm groves, and those of the Date in particular, were deemed peculiarly sacred. As civilization advanced, and regular temples were huilt, the architect naturally took for his among his parishoners suhmitted to the rule of type, what must ever have been associated their wives, and the blind infatuation which with his religious feelings—the Palm grove.— Gardener's Chronicle.

PICTURES UNDER THE SEA.—A Frenchman has obtained clear suhmarine photographs at a Provoked at these facts especially, he one depth of three hundred feet, hy means of the electric light thrown through water-tight lens want your daughter." windows upon the objects to be photographed.

#### THINGS WISE AND OTHERWISE.

Wny do annual flowering plants resemble whales? Because they only come up to blow. The oldest business in the world—the nurse-

y business. Botanists are said to distinguish dog-wood

by its bark. Mushrooms grow most rapidly in the rain.

Is that the reason they are umbrella shaped? A man weighing one hundred and fifty pounds contains only two and a half pounds of perfectly dry residuum. As the Scriptures tell us that "all flesh is grass," this residuum must be concentrated hay.

The Japanese, it is said, have the art of feeding turtles and other crustacea on aurum potabile, or some other liquid preparation of gold, which gives them a most gorgeous and gilded appearance. Several of these gold turtles and crabs are to be sent to the Paris Exposition. We have our suspicious as to the veracity of this newspaper squib.

Why can persons occupied in canning fruit stow away more of it thau any one else? Be-

MILLIONAIRES.-New York boasts of her millionaires, among whom the wealthiest are set down as follows:

Wm. B. Astor is sixty-five years old: worth fifty millions; a round faced, pleasant mannered gentleman; owns two thousand dwellings, and is a lenient landlord.

A. T. Stewart is sixty, thin, nervous, dignified; worth thirty millions, and liberal in cases of hencyolence which appeal to his sympathies.

Commodore Vanderbilt is white haired, red cheeked, seventy, worth forty millions, drives a fast horse, keeps a fast boat, controls two fast railroad companies with fast men, and gives away his money very lavishly.

August Belmont, twenty million, coarse, stout, and very German.

George Opdyke, five millions, fifty, but looks ounger; au agrecable gentleman. James Gordon Bennett, five millious, seventy-three years old, dignified in manners, broad Scotch accent, henevolent to the poor.

DURABILITY OF TIMBER,—In situations so free from moisture that we may practically call them dry, the durability of timber is almost unlimited. The roof of Westminister Hall is more than 450 years old. In Stirling Castle are carvings in oak, well preserved, over 300 years of age. Scotch fir has been found in good condition after a known use of 300 years, and the trusses of the roof of the basilica of St. Paul, Rome, were sound and good after 1000 years of service. - The Builder,

A Significant Fact.—Domestic animals that live out in the open air Winter and Sunimer are freer from colds than those that live in warm stables, and men who are much exposed, and constantly breathe air at low temperature, are less liable to colds and influenza stern material if all this had made no lasting than those who live constantly in warm rooms.

> As we staud by the sea-shore and watch the huge tides come in, we retreat, thinking we will he overwhelmed; soon, however, they flow back. So with the waves of trouble in tance makes them break at our feet.

A notorious 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 heen matches, your nose would have set them but what loses from one to five a day from on fire long ago,'

Nor less than a thousand people in New York live hy fortune telling and other such methods of gaining a livelihood.

"I'M AFRAID you'll come to want," said an old lady to a young gentleman. "I have come to want already," was the reply: "I

Manking have been learning for six thou- intend putting up a fertilizer manufactory at garget for more than twenty years, and it has and I here offer a prize of as many peas as he sand years, and few have learned yet that their Falmouth, Mass., with a capital of one million dollars.

# The Stock-Yard.

#### HOW TO SAVE A RENNET.

LET the calf live as long as you can, at least, until the cow's milk gets fit to save, for, if killed too soon, the rennet has no strength. Let the calf go without food not less than twelve hours, nor more than eighteen hours, before killing. During this time keep it in a clean place, where it cannot get hay, straw or other solid substances to eat and foul the stomach. When killed, take out the stomach, empty it of whatever it may coutain-curd or anything else-turn it wrong side out, and earefully 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 dish, and set it in a cool dry place to cure, frequently turning it over. Or, it may he stretched on a twig, bent in the form of a bow, or on a crotched stick, and hung in a cool, dry place to cure. The sooner the stomach dries, the better; but, remember that heat spoils it, while cold improves it. If the calf's stomach has a whitish appearance, it is pretty sure to be healthy. If it looks high colored, red or inflamed, or has a spotted appearance, it should be thrown away, as worse than useless-for it will spoil all the renuets that may be soaked with it, and cause the mauufacture 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 the greatest importance that these directions should be closely observed, for in no other way can prime rennets be obtained, and without prime renuets, it is impossible to make fine flavored, or strictly fine cheese. — Utica Herald.

Hollow Horn-Hollow Tail.-Is hollow tail a disease, or a result of poverty? Is splitting and saltiug, or eutting off proper, or is it barharous? This disease sometimes is ealled the horn ail. Solon Robiuson, iu Facts for Farmers, says: - "A cathartic of epsom salts, sulphur or linseed oil combined with ginger, is better than to mutilate the creature. Some of the most crucl acts ever perpetrated hy man have been the cutting and searing of sick animals, and dosing them with horrid aud hellish medicines. And yet the Old School doctors used to treat their human patients in the same way. It is likely that a thousand animals have been killed by doctoring where one has heeu cured, and theu it probably lived in spite of the medicine. Please try hay, corn, oats, and curry combs-aud don't forget clean warm stables and beds of straw."

SALT FOR GAPES.—Every one has had their say ahout the gapes; now let me tell you how we manage this matter. Formerly we fed the young broods with corn meal dough, losing more or less with the gapes every season. Latterly we have salted the dough, and now raise some two hundred chickens per season, without losing one from gapes or any other disease. The chickens are hright, vigorous and healthy, and always commence laying early in the fall. Now we have some forty heus, which give us an abundance of eggs. Farmers should not besitate to adopt this plan. -Buckeye, in Country Gentleman.

Hog Cholera in Illinois.—We learn from the Illiuois Register that the hog cholera prevails to a considerable extent in various parts of that State. A letter from St. Clair county says that "although the cholera is not as fatal as it was two years ago, yet it causes serious loss. There is hardly a farmer in this district this cause. The cholera also prevails among the chickens and turkeys." From Fulton county a similar report; and in other localities, especially where there are "still-fed" hogs, it is quite prevalent.

GARGET IN Cows. - Give a large tablespoonful of saltpetre as soon as you perceive any signs of garget. If that does not stop it within forty-eight honrs, then give them auother Hon. Oakes Ames, with some associates, dose. Some have practiced this way of curing never failed to cure. It should be pulverized and given in a mess of bran or meal mash.



A BANK INCIDENT.—Some time since, by the robbery of a trunk from a hank in New York, parties sustained a heavy loss of government bonds. The officers of the hank took the ground that they not only used proper eautiou in caring for the trunk, but that a theft in the day time from the vault was an utter impossibility. To test the truth of this assertion an expert detective was informed of the statement and requested to test its accuracy. He entered the hank in open day, obtained a trunk from the vault and carried it into the street, and then sent for the Cashier, in order that he might have positive testimony that bank vaults were not so well grantled as they might be vaults were not so well guarded as they might be.





# The Farm and Garden.

#### PLAIN TALK WITH FARMERS.-NO. 4.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

In my last communication I gave the parallel between animal and vegetable life, to show how many points of resemblance there were; and yet their autagouisms are no less singular. For instance: the vegetable produces neutral azotized substances, the animal consumes them. The vegetable decomposes carbonic acid, water and the ammoniacal salts, the animal produces all these. The vegetable disengages oxygen, while the animal absorbs it. The vegetable absorbs heat and electricity, while the animal produces them. In the closing part of my last communication, I spoke of the germination of the seed of the vegetable. Let us now briefly consider the beautiful developments connected with the simple growth of an individual plant. You place an apparently 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 will soon begin to swell, and the first effort of vital force begins. The seed coats burst; the upper extremity, known by botanists as the plumule, extends itself npwards. This plumule is the young plant in miniature, and if you examine it with a microscope, you can discern the leaves and buds, though on a very small scale. At the same time the embryo increases downwards, and sends forth what is called the radicle or root 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 reach the air. These miniature leaves act as 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 of a new life; and as the radicle sends out its feeders, or spongioles, below, which gather in the sustenance the raius wash down through the soil, the plant thrives and performs the functions for which it was called into being.

Another curious fact developed by vegetable Physiology is, that two plants of a different it die." species, although they must be closely allied, can produce one plant resembling both parents, called a hybrid; and so animals of a different species, but closely allied, may produce offspring resembling both its parcuts, and blending in it their peculiarities. Such an animal hybrid is called a mule. The hybrid race of flower-gardeners. This crossing is accomplished by the introduction of the pollen of one species into the ovarium of a different species, 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

It may be confidently asserted that everything in the material world is not only subordinate, but specially created to minister to the service of man. Vegetables perform two very important functions. As we have seeu, a quantity of carbonic acid gas is constantly issuiug from man and all animals, into the atmosphere. Now this gas is very poisonous, likewise all the potash which existed as organic the imports of grain exceeded the exports by and if not removed from the air, all the higher salts in the plants consumed by the animals. mals would very speedily perish. Vegetables have the power of taking this carbonic acid gas from the atmosphere, and of converting the carbon of it, into part of their 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 elements. of which they stand in need, where these elements are subject to chemical laws, that is, from the inorganic world. Thus, guano and this county, owes its efficacy, so far as it is derus, soda, lime, &c.; and properly prepared soil therefore contains all the elements whose is made up; and hence becomes materially combinations form the different structures of deteroirated in this respect, when the more brought to the roots of plants, which are analo- it.—Danby's Lectures on Agriculture.

gous to the mouths of animals, these roots can take them in, then combine them, so as to form one cow annually, is equal to fertilizing one stem, leaves and flowers.

But it is quite different with animals. They canuot convert inorganic matter into their own loam, saturated with urine is equal to a cord of structures. If the chemical elements of which the best solid dung. If the liquid and solid an animal is composed, are put iuto its mouth in an inorganic state, they may be swallowed, but they are never turued into its been found that they will manure land in protexture, but either poison it, or are excreted. The food of animals must consist of the elements of which they are composed, viz.: in a state of subjection to the laws of life, and not of chemistry; or in other words, of flesb or vegetables before putrefaction. The important function which vegetables serve in converting the inorganic matter placed on the earth's surface into a state of food for animals is 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 sublime and exalted mission of the whole vegetable economy, which economy siugularly enough, though of the earth earthy, symbolizes in the immutable laws of vegetable life, the spiritual ordinance of that which is yet to be in the great Hereafter. It, in truth, makes manifest

> " How Creation's soul is thrivance from decay, And Nature feeds on ruin; the big earth Summers in rot, and harvests through the frost To fructify the world; the mortal now
> Is pregnant with the Spring flowers of To Come, And death is seed time of Eternity."

It reveals how the immutable laws of vegetable nature decree that death shall proceed out of Gray's Elements of Agriculture. life, and life out of death-that the living animal shall draw its vitality from the dead plant, and the living plant from the dead animalthat decomposition must be but the commencement of recomposition, and putrefaction only the symbol of renewed production. The brave apostle to the Gentiles, preaches this beautiful truth in that sublime passage, which has so often comforted the stricken mourner, as weeping over the grave of his beloved, he hears with wildly beating heart, that fearful miserere some will say, how are the dead raised up, and that which thou sowest is not quickened, except

April, 1867.

### LIQUID MANURE-ITS VALUE.

Written for the Farm and Fireside, BY J. L. HERVEY, TUFTONBORO, N. H.

It seems to be entirely overlooked by many vegetables is frequently produced artificially by farmers that iu letting their liquid manure run tatoes: Salt, two hundred pouuds, muriate conucction I shall take the liberty of illnstrating the value of liquid manure, by extracts evenly over the surface, and ploughed in.from well known authors.

When it is considered that with every pound of ammonia that escapes, a loss of sixty foliage longer than when stable manure is empounds of corn is sustained—and that with ployed. With this mixture aloue, potatoes every pound of urine, a pound of wheat might have been grown at the rate of three hundred be produced, the judifference with which these animals where the same crossing is attempted. Iliquid excrements are regarded is quite incomprehensible. Iu most places only the solid excrement, impregnated with liquid, is used; and in many instances the dung beaps containing these are protected neither from rains nor evaporatiou. The solid excrements contain the unsolvable; the liquids contain all the solvable phospates; and the latter contains Liebia's Organic Chemistry

Liquid manure consists in a great degree of urine of various animals, which, during its decomposition, exhales a larger quantity of ammonia than any other species of excrement. Now, all kinds of corn contain hydrogen, and consequently, any mauure which yields a are of the greatest use to man. Eveu the rather than to the solid excrement of which it

The quantity of liquid manure produced by and a half acres of ground, producing effects as durable as do solid manure; a cord of evacuations are kept separate; and the liquid manures soaked up by the use of loam, it has portion by bulk of seven liquid to six solid, while the actual value is as two to one. Oue hundred pounds of cow's urine afford twentyfive pounds of the most powerful salts which have ever been used by farmers. The simple statement 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 waste, but should so prepare his cattle yard by loam or swamp muck, aud by plaster, as to save these invaluable products of his stable. As the urine is commouly mixed with the solid excrement in the baru cellar or cattle yard, it increases the value of this manure, it promotes its decay, and adds its own salts; but if the whole is exposed to the influence of atmospheric agents, it facilitates the actions, and aids in depreciating its value, hence it is generally, wholly lost. The farmers ought to know this, and to be apprized of the fact, that at least one half of their manure is wasted .-

#### EXPERIMENTS WITH POTATOES,

To the Editors of the Farm and Fireside:

Having been requested by several of my friends and neighbors to publish in your exeelleut journal a list of the special manures which I use in the cultivation of potatoes, I cheerfully comply with their wishes.

I use as a top-dressing for potatoes, a mixture of fifty-six pounds of sulphate of soda, of the last service of the church, "Earth to fifty-six pounds of sulphate of magnesia and earth, ashes to ashes, dust to dust." "But fifty-six pounds of salt per acre, sown broadcast as soon as the sets are planted. My powith what body do they come? Thon fool! tatoes so grown have been abundant in quantity and excellent in quality, and have almost entirely escaped the potato disease.

I have also found muriate of potash an excelleut manure for potatoes, sowu iu the drill 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 rotted stable dung. The following manure will be found to produce good crops of poof lime, one hundred pounds each; spread This manure has the property of producing a stout good haulm, and the plants retain their bushels per acre.

Valley Falls, R. I., April 2, 1867.

THE GRAIN TRADE OF ENGLAND. -A long while ago Great Britain raised enough grain for her own consumption and had also an excess to export. Afterwards, however, the necessity for importing grain became apparent, and in the five years ending with 1835, an annual average of 871,110 quarters of 28 nounds each. The excess of importation has gradually iucreased every year until iu 1866 it 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 ready supply of ammonia must cause a fuller Hubbard of Hatfield, were sold in the Camor their food. Vegetables can take the elements development of those parts of the plants which bridge market, Wednesday, for nearly \$1800. kind of animal manure usually employed in and the pairs weighed, each, 5705, 2100 and farm yard manure contain nitrogen, phospho-pendent on the ammonia present, to the nrine, the Cambridge yards, and have not been sur-while the western and new States keep up an passed by any received this seasou.

plants. Now where these substances are liquid portions are allowed to drain off from been chosen President of the New York Agri-person. These facts go to show that the dairy cultural College, known as Cornell University. business is not likely to be overdone.

# The Morse.

#### EPIZOOTIC AMONG HORSES IN NEW JERSEY,

GASTRITIS MUCOSA.

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 name given? Simply from three causes: first, farmers are not sufficiently posted in regard to diseases of their stock; second, 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 veterinariau, and sacrificing the stock of our farm frieuds.

So much then, by way of preface, before coming to this new epidemic in New Jersey .-"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 afflicted. But an epizootie disease has attacked 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. Rob-ERT McClure, in his "Diseases in the American 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 in the Spring of the year, assuming always an epizootic form, and is closely allied to the epizootic catairh, sometimes called typhoid influeuza. The one disease attacks the lining membrane of the windpipe, the other, the mucous membrane of the stomach and 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, because it always assnmes 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 breath and mouth are not hot nor dry; but often the month 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 off, they lose the most valuable part. In this of potasb, muriate of ammonia and phosphate blood, which disappear as they came, when the strength of the horse gets up again, and the disease subsides. The appetite is entirely suspeuded from the commencement of the dis-

Treatment.—The first day of the disease give, every four hours, twenty drops of the tincture of aconite root in a little cold water; next day give the tiucture of nux vomica in fifteen drops, every four hours till the horse is well, which will be about the sixth or seventh day, and sometimes 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 wants. Green, or soft feed, should be given from the first day, if the horse will eat it. Pure air and good ventilation should be insured to all sick horses.

NUMBER OF MILCH COWS .- The number of milch cows in the whole United States, from 1790 to 1860, has remained a coustant number, The largest ox lacked but 90 pounds of 3000, being 27 cows to 100 inhabitants. The proportion of cows in the older States, according 4790 pounds. They were the finest cattle in to the population, is constantly decreasing, excess of the proportional number. Massachusetts has 12 cows to the 100 inhabitants. Ore-Hon. Audrew D. White of Syracuse, has gon has 101, or more than one cow to each



The cheapest transportation is that upon the ocean. Upon the ocean a barrel of flour can be carried more than half way around the globe for what it costs to transport it by railway from Chicago to Philadelphia. A cargo of wheat lately arrived at Philadelphia from San Fraucisco. It came around Cape Horn, and the freight was about the same as it would have been if the load had been carried by the cars from Chicago. Each mile of railway, with its proportion of rolling stock, is equal in cost to a sbip. On the road the wear and tear is rapid; on the ship, slow; and the cost to man the road is greater than the cost to man the ship.





# Parm and Fireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, APRIL 6, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; with-out it we could not have manufactures, and should not have com-merce. These all stand together like pllars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### OUR CURRENCY.

No class of our citizens are exempt from the evils of an inflated and an inconvertible cnrreney; and the depression of business now experienced in all sections of the Republic, is caused, partially, by the inflation of paper money. We shall not speak of the origin, nor of the necessity of the Government to issue the present kind of currency. Its issue was indefensible, except as a public necessity. The extent 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 enrrency that destroys the laws of value, that deranges business, that cripples and paralyzes every branch of industry.

The Thirty-Ninth Congress evaded this great financial question-the most important that came before it. It spent and misspent much valuable time on political questions and partisan propositions, but ignored a subject vital to national prosperity and progress. Inflation had more friends in that body than contractiou, or the gradual return to specie payment. We regret this, because all classes, 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 diminishing the immeuse volume of paper money.

We would 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 a continuance of our present currency would be a perpetnal injury, a permanent disturbance 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 affoat ten years, would guarantee a decade of stagnation, would perpetuate the present nnreasonable prices, and make specnlators and gamblers grow fat. We cannot carry so terrible a load of inconvertible paper money without prolonging our own misery; nor can we continue this exhaustive drain npon onr manifold industry without great peril to the Nation itself.

Our agricultural population works harder to earn a dollar than the mechanical, the commercial, or the professional classes. The hard, callonsed hand, the brown, weather-beaten face, the bent and erooked back, all testify to this truth. While other classes make hundreds and thousands of dollars by skill, cunning or spechlatiou, the farmer earns his 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 an inflated enrency. A fixed, permanent representative of value, in the shape of money, either gold or silver, or a currency exchangeable for them at equal rates, is what our agriultural friends need, and should demand.

ABANDONMENT OF THE CENTAL SYSTEM. -The Boards of Trade of St. Louis, Buffalo, Toledo and Cleveland, have voted to drop the cental system of measuring graiu, and return to the old method. It is hinted that the true secret of the desire to get back to the bushel is the fact that the cental is too much in the interest of honest dealers and consumers. We do not believe that, after so short a trial, the merits and demerits of the system have been justly decided upon. It is true that the new remedy that, and dealers in grain are not supposed to be more obtuse than other people.

#### AN ACTIVE MONTH.

April is a busy month—the season of sowing and planting the hardier seeds and vegetables in the Middle States; and also in the New England States, on naturally dry or thoroughly drained soils. Of course, we expect some rough, windy weather and cool nights, with so, to receive the cotton seed when the time perhaps an occasional slight frost. But the comes. The rains had caused a temporary season is now advanced sufficiently for garden friends the importance of early sowing and the fruit erop of Northern Alabama very seriplanting-provided the season is not unusually backward, or the land too wet.

Sowing oats, Spring wheat and other seeds, should be attended to at once; then the work in the garden, nnrsery and orehard will follow. The farmer and gardener should keep in mind the first principles of enlivation—a thoroughly drained soil; perfect pulverization in ploughing and harrowing; an equal intermixture of mannres or fertilizers with the snrface soil. These are essential to success. All soils, intended for field or garden crops, should be ploughed twice (the last time cross-wise), and then harrowed. This will put land in good condition. Next mannre liberally; don't be miserly with your land, or it will retaliate in short crops. Land in fine tilth, and generously manured, cannot fail to return remunerative erops, provided the after culture is thorough and correct.

Attend to the garden. People generally, and farmers especially, neglect their esculent garden; but 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 of old brine, or salt water, will help it, for it is a species of marine plant, and likes an oceanlike stimmlant. Rhubarb beds, also want attention; such as spading up the earth and raking off rnbbish. 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 hot-bed to the open garden at once. It will grow, even it the season is backward; and a dish of lettuce relishes well, besides being conducive

Not much progress can be made in ornamental gardening, thus early; although ornamental trees may be trimmed, shrubbery cropped, and walks and borders 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 settle this matter; yet there is a difference of two or three weeks, in vegetation, between the New Eugland and the Middle States. However, sow your seeds and plant your fields as early as the season and the soil will admit. After an experience of five-andtwenty years, we prononnce in favor of early plauting.

THE CATTLE PLAGUE.—An eminent lecturer relates the history of the disease from the fourth century to the nineteenth, showing that it arises in the steppes of Russia; that thence it spreads westward, through Poland, Moldavia, Holland, and by importation into England; that it is the most fatal disease that has ever yet seized living beings; that where it arises, ninety per cent. of the cuttle affected with it die; that in some eases the collections of cattle all die, and that there is no cure for it; but that its prevention and arrest can be accomplished by ally be prepared to receive and profit by the of carbonic acid. solid recently discovered.

THE AMERICAN JOURNAL OF HORTICULTURE for April has been received. It contains more than sixty original articles, a few of which are illustrated, and all of them concise, scasonable and practical. Its typographical appearance is faultless, while the paper upon which it is printed is of the best quality. It is published by J. E. Tilton & Co., Boston, at three dollars per annum.

Mr. John Dimon, of Pomfret, Connecticut, system is hard to understand, but time would informs us that on the 16th of February last, a lamb that weighed eleven pounds.

THE CROP PROSPECTS IN THE SOUTH AND WEST.

A correspondent of the Selma Times speaks encouragingly of the prospects for a crop in Central Alabama. The planters have their lands all bedded up and in condition, or very nearly suspension in corn planting. It is feared at and farm work; and we would impress on our Huntsville that the receut frosts have injured ously, as peaches, plums, &e., were in full bloom.

In North Carolina all the early peaches, apricots, &c., are believed to be killed by the cold. More than the average breadth of wheat has been sown, and its appearance is quite promising.

The people in the Western and Northern portion of Texas are making extensive preparations for farming, and are confidently expeeting an abundant harvest.

Maryland farmers are hopeful, as the weather wise in that State have noticed that when a heavy fall of snow occurred about the time of the full moon in February, large crops and an abundance of everything were sure to tions.

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 thousand oranges each.

The editor of the Dayton (Ohio) Journal says that a frnit-grower who returned home on Friday from a journey through portions of Miami, Clarke and Greene counties, states that wherever he had an opportunity he examined ths fruit buds, and found them sound in the proportion of at least eight ont of ten.

The Cincinnati Gazette says all auxiety about the wheat erop may now be dismissed, as that erop is in good condition and doing well. A Lonisville paper says not only in Kentneky, but in Tennessee also, the wheat erop is more extensive than is usually seen, and promises an abundant yield. The Illinois State Journal learns that the wheat in Sangamon and adjoining counties looks finely, better than during the corresponding season for several years past. The winter and spring thus far have been favorable for wheat, and farmers are expecting a large crop.

The Carbondale (III.) New Era reports the prospect of a good peach crop in the Southern portion of the State as encouraging.

The Leavenworth Times says that the great snow storms will retard the crops in Kausas.

EUROPE, we must acknowledge, is far ahead 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, on the spot, such experiments, and tests such theoretical problems, in reference to agriculture, as would seem most prolific with benefits to the farming community. To instruct the farmer as to the difference between robbing and tilling the land, to teach him to understand and take a lively interest in the practical experiments above alluded to, travelling teachers have been appointed, connected with these agriculthral Stations, whose office it is to impart useful knowledge to the masses by lectures and conversations. Thus every one may gradurich stores of science open to every intelligent farmer.

Our country is so extensive and our farms are so large, which facts, together with the comparative sparseness of the population, render such institutions unnecessary for the present. When one field is exhansted our farmers rely upon another, and the crops find as yet, so much natural sustenance in the soil, as a general thing, that artificial aids are not extensively resorted to. The time will come though, when farming will be carried on only on intelligent and scientific principles; double the crops will be raised on a given area, and infinitely better Sonth Down Ewe belonging to him, dropped a in quality. Then surely the "days of specie" will be restored "and the sky rain porridge."

THE PEACH TREE BORER

An exchange warmly advocates the budding of the peach on the plum stock, as a safe guard against the borer. We do not believe 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 place of union. Dwarf peach trees may be produced by budding on the diminutive mirabelle; but the practice of working the peach on the plum is not favorably regarded by eminent fruit enlturists.

Mr. Thomas, in his "American Fruit Culturist," says that the Peach-worm or grub, (Ægeria exitiosa), cuts into the bark, (and uever far juto 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 resembling sawdust. It is very easily destroyed by serapiug away the earth at the foot of the trnuk, and fellowing the worm to the end of its hole with a knife, beneath the thin shell of bark, under cover of which it extends its depreda-

The perfect insect of the peach worm is a four-winged moth, resembling a wasp in form, but totally distinct, and in its character and habits closely allied to the butterfly and miller. It deposits from early in Summer till Autumn, at the foot of the tree, its exceedingly minute, whitish eggs, which soon hatch, and the larvæ or worms enter the bark. The next season they encase themselves in a sawdust-like cocoon, in their holes nnder the bark; and emerging as perfect insects, lay their eggs and perish. Mr. Thomas says that the perfect inseet is very rarely seen, but may be secured by watching the papa develope under a glass or ganze case.

To exclude the insect we recommend heaping air-slacked lime, wood or coal ashes, or even earth, in the Spring, allowing it to remain until Autumn. It is said that to encase the foot of the tree, during the Summer, in stout oiled or painted paper, effectually preveuts the deposit of eggs in the bark. To drive nails iuto the tree or to bore holes in it and impregnate it with snlphur is absurd, having no natural or scientific probabilities to support it. After the grub is once domiciled, there is no way so effectual as the slow process of direct extermination. Capture the rascals in their bark encasements and visit summary vengeance npon them. Early in Spring and early in Summer put your trees under careful surveillance. In extensive peach orchards this may be tedions and laborious, but a daily tenacious discharge of the duty will accomplish much serviceable work.

The Science of Entomology is beginning to be appreciated; and the men who used to be considered natural born fools (though fortnnately harmless ones, by way of qualification), because they spent their time searching in rot\_ ten stnmps and quaginires for bugs, are now esteemed for their devotion to science, and have more flattering epithets applied to them: There is a great deal of utility in the researches of these men; of late years their attentions have been more particularly directed to such insects as are supposed to be injurious to trees; plants and crops, thus benefitting the agriculturist to a great extent by their investigations. To learn to distinguish noxious insects, and know how to exterminate them or limit their depredatious, is certainly a matter worth payug attention to. Sometimes insects which the farmer supposes to be injurious, are just the reverse; and upon close examination, it will be found that they are an army of scaveugers, deyouring by wholesale the real enemies of the fruits and crops. Not a few farmers are practical entomologists; what we mean by that is, that though ignoraut of scientific nomenclature, they know which insects are to be regarded with favor and which with suspicion. They have learned this by personal observation. We call attention to an illustrated entomological article on our fourth page, and would be pleased to publish others of a similar character.

FRESH herring are abundant in the Norfolk market at twenty-five cents per dozen.



Scientific.—To test oil as to its explosive qualities, fill a tumbler three-fourths full of moderately cool water, then pour half a teaspoonful of oil into it, and stir them together; then hold a lighted match over the tumbler, and if it takes fire from the vapor before the flame comes in contact with the oil, then it is dangerous, as good oil will not thus ignite, and indeed will not burn readily when the flaming match has been thrown into it; while that which has been adulterized with benzine will emit a vapor which is nearly as explosive as gunpowder, and the oil will then burn freely. Kerosene ought always to be tested in this way







# The Fireside Muse.

#### THE KING OAK.

The forest sward was his palace floor, The sky was his vaulted roof; And around his throne his giant court Stood solemnly aloof.

Young in the past and lawless days When force was right divine, And steel-clad fingers griped the blades That made a monarch sign.

He had known all the still long summer heats The wood-dove sweet to hear, The insect hum, the fern that reached
The antlers of the deer.

He had known grim winter's frozen blasts, The rattling hranches' sound, The cold beams of the far-off sun. The woods in fetters hound.

He had loved the soft-returning Spring, Under whose gentle spell The grass sprung up, the leaf came forth, White blossom and hine bell.

With a kingly joy in winter drear, With the storm he wrestled high But he ever welcomed the herald ray That shone when Spring drew nigh.

It touched the gloss of velvet moss Upon the old oak's breast It peeped into the squirrel's haunt And found the thrush's nest,

It woke the sprites of fern and flower Whose sleep had lasted long; Dispersed the cloud, let loose the brook And filled the woods with song

Old oak! long centuries of time Hast thou heheld depart; Be they repeated, ere decay Shall reach thy mighty heart

# Fireside Tale.

#### THE MINISTER OF MONTCLAIR.

BY LOUISE CHANDLER MOULTON.

IT was no use; the letters danced before his eves, the whole world seemed wavering and uncertaiu, in those days. He 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 must have taxed his eyes too severely. He would work a little less hy lamplight—spare them awhile—and he should and he could only gasp. be all right. So he had spared them more and more, and yet the black specks kept up kindly, that it might be a month, possibly two. their elfin dance; and now for weeks the conviction had heen growing on him slowly that he was going to be blind. He had not told his wife yet-how could he bear to lay on her shoulders the burden of his awful calamity? O, it was too hard!

And yet was it too hard? 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 should count all that brought them nearer to Him as joyous, not grievous?

Yet speaking after the manner of this world, 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 His wife stood there waiting for him. She take his ministry—sit helpless in the darkness. Heaven only knew for how loug. Could he be resigned?

sky. There might he help for him. This ing-a white, fixed look, that chilled her. She gathering darkness might be something which took his arm, and they walked on silently, science could remove. He would be sure of through the snmmer afternoon. When they that, at least, before he told Mary. And then reached home, and she had taken off her bon-place, he spoke to the wondering congregahe became feverishly impatient. He must net, he spoke at last:ow at once, it seemed to him-he could not wait. He called his wife, and told her, with a I want to learn your face by heart." manner which he tried hard to make calm, that he was going ont of town the next morning on a little business. She wondered that every lineament. he was so uncommunicative-it was not like him-bnt she would not trouble him with auy questions. She should nnderstand it all some time, she knew-still she thought there was something strange in his way of speaking.

The minister strove hard for the mastery of his own spirit, as the cars whirled him along mau's life in this world," he answered, bitterly. next morning towards the trihnnal at which he was to receive his sentence. He tried to think of something else, hut found the effort a child, one form of words: .

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 amazed. things! The houses looked like a spectral through it—the people he met seemed like to find out. I have felt it coming on for ghosts. He had not realized his defective months, hut I hoped against hope, and nowvision so much at home, where it had come I know. O Mary, to sit in the darkness until on him gradually-and all objects were so my death-day, striving for a sight of your familiar. Still, with an effort, he could read dear faces! It is too hitter; and yet what am the signs on the street corners, and flud his I saying? Shall my Father not choose His

He reached, at last, the residence of the distinguished oculist for whose verdict he had come. He found the parlor half filled with boyish, romping Will; shy, yet merry little people, waiting like himself. He was asked May. for his name, and sent in a card ou which was writteu, "Rev. 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 in his heart, and steadied himself 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, and the cool, scented air refreshed him. He saw dimly, as he saw everything that invited him to sit down, and then inquired whispered, under his hreath,—

strength.'

Dr. Gordon was silent for a moment or two read or study any more. 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 inflictiug,-

"I cannot give you any hope. The malady is incurable. You will not lose your sight entirely, just yet; bnt it must come."

The minister tried to ask how long it would he before he should be hlind; but his tongue seemed to eleave to the roof of his mouth,

Dr., Gordon understood; and answered,

He stood up, then, 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. and he was faiut for lack of food, but he did 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 mechanically. had been anxious about him all day.

"O William!" she cried, and then she saw his face and stopped. There was a look on it Then, suddenly, a flash of hope kindled his of one over whom some awful doom is pend-

"Mary come here and let me look at you

her cheeks hetween his hands, and studied

while, for his fixed, silent, mysterious gaze be- it that I miss none of you when my eyes are gan to torture her.

"Yes, I am going-into the dark."

"To die?" she gasped.

"Yes, to die to everything that makes np a

loved each other. The whole creation only an was calm. After a moment he said:

"Father, whichever way it turns, O give me | 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

"None. It was my errand to town to-day 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 running in-

"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 whilethis 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 morning, a tall, slight man, with kind face and each well-known, well-loved scene-noting quiet manners, who addressed him by name, anxiously just how those tree-boughs stood out against the sky, or that hill climhed tointo his symptoms with such taet and sym- wards the sunset. He studied every little pathy that he feit as if he were talking with a flower, every fern the children gathered; for friend. At last the doctor asked him to take all creation seemed to take for him a new a seat by the window and have his eyes ex- beauty and worth. Most of all he studied the amined. His heart beat chokingly, and he dear home faces. His wife grew used to the dim, wistful eyes following her so constantly; "Thy will, O God, he done; only give me but the children wondered why papa liked so well to keep them in sight-why he did not vice.

> There came a time at last-one Suuday morning—when the hrilliant summer sunshine

"Is it a hright day, dear?" he asked, hearing his wife moving ahout the room,

"Very bright, William."

shiue in at those east windows.'

Mary Speneer's heart stood still within her, but she eommanded her voice, and answered, steadily-

"They are open, William. The whole room is full of light."

"Mary, I cannot see it—the time has come I am alone in the darkness."

"Not alone, my love," she cried, in a passion of grief, and pity, and tenderness. Then she went and sat down beside him on the bed, He hardly knew how he found his way to the and drew his head to her bosom, and comcars. It was two honrs past his dinner time, forted him, just as she was wont to comfort her children. After a time her tender caresses, not know it. He got to the station somehow, her soothing toues, seemed to have healed a and waited till it was time for the train to start little his brnised, tortnred heart. He lifted np his head and kissed her—his first kiss from ont the darkness in which he must abide—and then he sent her away. I think every soul, standing face to face with an untried calamity, longs to be for a space alone with its God.

> Three hours after that the chnrch-bells rang, and, as usnal, the minister and his wife walked ont of their dwelling-as usual, save that uow he leaned npon her arm. In that hour of seclusion he had made up his mind what to do. They walked up the familiar way; and 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 rising in his tion:

"Brethren, I stand before you as one on world-you, my children-for whose souls I "Are you going away?" she asked, after a your kind, familiar faces on this earth—see to nnsealed again in heaven. Grant, O Father, that of these whom Thou hast given me I may hands with a glad cry-

There was not a tearless face among those which were lifted toward him, as he stood "Mary, I am going blind. Think what that there, with his sightless eyes raised to heaven, means. After a few weeks more, I shall never his hands outstretched, as if to bring down ou see you again or our children, or this dear, them the blessing for which he prayed. Some vain; so he said, over and over, as simply as beautiful world where we have lived and of the women sobbed audibly, but the minister was goue, "past night, past day," where for

"My brethren, as far as is possible, the services will proceed as usual."

Then, in a clear voice, in which there scemed to his listeners' ears some unearthly weetness, 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 beautiful 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 came 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 consecrated by the anointing of a special sorrow, and 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," she cried, with a woman's passionate impatience at any seeming forgetfulness of the claims given him by his years of faithful ser-

The delegation had reached 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 about her usual task with a heart full of bitterness. It was natural, perhaps, that they should not want a blind minister, but to tell him so now, to make the very "Open the blinds, please, and let the sun first pang of his sorrow sharper by their thanklessness, it was too much.

An hour passed before they went away, and then she heard her husband's voice 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 raising my salary a hnndred dollars a year."

"Want you to stay with them?" she cried, hardly understanding his words.

"Yes, I told them that I could 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 you notice to go," Mrs. "How I mis-Spencer cried, penitently. 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 up higher. In those three years he had sown more seed whom the Father's hand has fallen heavily. I and reaped more harvests than some men in a She came and knelt by him, while he took am blind. I shall never see you again in this long life-time. He did his work faithfully, and was ready when the hour came for him to have striven so long, I have looked my last on go home. Inst at the last, when those who loved him best stood weeping round his bedside, they caught upon his face the radiance of a light not of this world. • He put out his

"I see, I see! Out of the dark, into the light!'

And before they could look with awe and wonder into each other's eyes, the glory had begnn to fade, the ontstretched hands fell heavily and they knew that the blind minister him there would be no more darkness.



ROYAL COURTESY.—A peer, when dining with Queen Victoria, was challenged by a royal duehess to take wine with her. He politely thanked her, but declined the compliment, stating that he never took wine. The duchess immediately turned to the Queen, and jocularly said:—"Your Majesty, here is Lord—, who declines to take wine at your Majesty's table." Every eye was turned to the Queen, and not a little curiosity was evinced as to the manner in which the abstainer would be dealt with. With a smiling and graceful expression the Queen replied: "There is no compulsion at my table." This may be regarded as an example of trne courtesy.





# The Harm,

#### THE WAGES OF FARM LABOR.

Written for the Farm and Fireside, BY ALEX. HYDE, LEE, MASSACHUSETTS.

We hear it often asserted by farmers that wages are so high they cannot afford to hire labor, and so the farm is neglected, except so far as the proprietor and his family can work it. This, it seems to us, is a "penny wise and pound foolish" policy. True, wages are high, bnt are they comparatively as high as produce? Hon. D. A. Wells, Commissioner of the revenue, estimates the increase 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 price of the necessaries of life must have doubled in the same time. This estimate is doubtless an approximation to the trnth, and shows eonclusively that the farmer who is unwilling to hire labor at an advance of 50 per cent., while his produce sells at an advance of 100 per cent., does not understand calculating profit and loss. The fact is, the farming interest is at high tide, and the diseerning and enterprising farmers see it, and put the soil to their utmost extent. "There is a tide in the affairs of men, which taken at the turn, leads on to fortune." The short-sighted, looking at present outlays, and heedless of future returns, neglect the golden opportunity and either remain stationary, or lose ground, while their more enterprising neighbors are wafted far in the advance.

If any one has reason to complain, it is the laborer. Labor never appreciates till after the products of labor appreciate. The present high rates, both of labor and its products, are doubtless due in a measure to our redundant currency, and many have deferred all works of improvement till prices should recede, by a return to a specie basis. The inflation of prices, however, is not all due to the discrepancy between gold and paper, as is manifest from the fact that prices have not receded as paper has come nearer to a par with gold. Whoever examines the prices current in this country for the last half century, will find a gradual but steady increase. Not that there have not been Iluctuations, and some ebbing as well as flowing; but on the whole, there has been an advance. We well remember when beef, pork, butter, cheese, hay and grain, were sold, on an average of years, for less than half what they have commanded for the average of the last six

The discoveries of the precious metals in Australia and California have stimulated production in all parts of the world. Prices of farm labor have doubled in England as well as in America, and there the currency has remained on a specie basis. The Englishman who formerly received a shilling, or one and six pence for his day's work, now receives two and three shillings. Even sleepy India has felt the impulse, and labor in that distant and lazy country has been stimulated to increased exertion by increased pay. Here let us say, that it is a great blessing to a country when its labor is amply remunerated. The United States are favored in this respect above all other nations. America is the paradise of laborers, and they know it, and consequently have flocked here from all parts of the earth. We may talk in our Fourth of July orations about Liberty attracting the foreign emigrant to our shore. This sounds well, but if the rewards of labor had not been greater here than in other countries, we fear our population would have been much 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 generally snpposed. What a stampede 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 receive less remuneration here than it does now, and those farmers who are waiting for wages to fall before they commence farm improvements, may have to wait longer than they calculate.

There is no prospect of our paper currency

power in our Government is under Western influence. Should our currency be reduced, it does not necessarily follow that wages will decrease. We therefore advise all farmers who have improvements to make, not to delay for a more economical 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 common, that there is any antagonism between labor and capital. The interests of the employer and employed are one, and they should feel this cardinal truth, and act accordingly. In making contracts for labor, it is supposed that both parties are benefited. The employer wants intelligent and faithful labor, and the emyloyed wants a just compensation for his services. They are partners, mutually benefiting each other, and any attempt on the part of the capitalist to grind the face of the poor laborer, or any want of faithfulness on the part of the employed, is a vauuting selfishness, sure to o'erleap itself. The hired man should identify himself with his employer, and work with the same fidelity as though working for himself. In no other way can he hope to rise to the position of a contractor. "He that is forth their energies and push the capabilities of faithful in the least will be faithful also in

On the other hand, the employer needs to feel a fatherly interest in his workmen, should study their comfort, and furnish every facility for their intellectual and moral advancement. In thus promoting their interests, his own-will most effectually be promoted. We are rejoiced at the agitation of the question of the hours and wages of labor, not that we have any faith in "strikes" or legislative enactments, to regulate these matters; but the diseussion tends to public enlightenment and a better understanding of the unity of interest between capital and labor. When public opinion becomes enlightened, the honrs of labor will become adjusted to our physical eapacity, and the workman will receive his just reward without the interference of the legislative power.

April, 1867.

#### THE PARM AND FIRESIDE AND THE PATRIOT FOR \$1.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we will FOR DESIGN OF FORE DESIGNATION OF THE STREET AND THE WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is £2.50. THE PATRIOT is an old established family newspaper, with the largest circulation of any country journal in New S. S. FOSS, PUBLISHER,

# The Markets.

#### WOONSOCKET RETAIL MARKET. [For the week ending April 5th, 1867.]

FARM PRODUCTS, FUEL. &c.

Ξ	Straw 79 ton\$20	Beans & quart13						
Ε	Coal # tou\$10 50a12 50	Potatoes90						
	Oats 17 hush							
	GROCFRIES, &c.							
Ē	Fiour	Raisins						
Ē	Corn Meai\$1 30	Molasses B gai75a85						
	Rye \$1 50	Y. 11. Tea\$1 2						
	Saleratus10a15c	Black Tea80ca 1 2						
	Kerosene Oll	Oil 7 gal\$1 0						
	Cheese 3 th24c	Fluid # gal \$1 0						
Ĭ	Butter & lb40, 42a45c	Candles # lh						
Ē	Codfish8c	Eggs 15 doz30						
3	Java Coffee 38 th25a50c	Lard 3 lh16acl						
1	Mackerel, new10a12c	Sugar & lb14a18						
i	MEATS, &c.							
Ε	Beef Steak	Hams16a18						
Ē	Beef, corned12a16c	Poultry20a28						
Ē	Tongues, clear25c	Shoulders						
	Mutton12a16c	Sausagesi8						
	Veal16a20c	Tripe						
=	Pork, fresh16a20c	Pork, sait18						
=								

# BRIGHTON CATTLE MARKET.

At market for the current week: Cattle, 1456; Sheep and ambs 4541. Swine, 1400. Paices. Beef Cattle—Extra, \$13.50@\$13.75; first quality, 12.50@\$13.25; second quality, \$11.00@\$12.00; third quality, 10.00@\$1.00; \$100 lbs (the total weight of hides, tallow and ressed beef.)

Sheep Skins, 75c.@\$1 25. Green Sheep Skins, \$1 25@

2.25  $_{\odot}$  skin. The control of last, The market for this week is not so active as that of last. The mpply from the West is not so large by several hundred head, not the quality is poorer. Prices have fallen off  $_{\odot}$ 60 a cent er ib, and trade bas been dull. We bave not heard of any severes being sold for over 14%c per pound, and but few at

bat price. Stores-None at market, except Working Oxen and Mileb Cows.
Working Oxen.—Saies at \$175, \$171, \$200, \$210, \$215, \$212, \$225, \$233, \$234, \$235 and \$265 per puir. There is a good supply in market, and the demand is active.
MILOH COWS—Sales extra \$80a.125; ordinary \$60 @ \$75.—tore Cows \$35a50. There is some very nice Milch Cows in

narket. and Lambs.—The trade is dull and prices not much different rom those of last week. We quote sales of lots at  $5\frac{7}{24}$ , 7,  $\frac{7}{24}$  and  $\frac{9}{2}$  per  $\frac{1}{24}$ . Most of the Western Sheep were taken at a

being rapidly reduced. The mighty West is commission. Some with least and not much of a opposed to any reduction. New England goes with the market and not much of a demand for them. Fat Hogs—1100 at market; prices, 9@9% per pound.

# for a gradual contraction, but the balance of WEEKLY REVIEW OF THE NEW YORK power in our Government is under Western in-

The following are the principal features of the wholesale arket during the present week: nest auring me present week: Cotton has been somewhat frregular, and closes very dull yers and sellers differing in their views. We quote middling dands at 30½ cents, and New Orleans and Texas do. at 31½ nts.

uplands at 30% cents, and New Orleans and Texas do. at 31% cents.

The flour market has been variable, and closes less active. Prices are firm. The stock is reduced to about 230,000 harrels. The prospect is that the receipts will be light for some weeks to some. We quote superline State at \$9.70 to 11.70; shipping blio, \$11.55 to \$12.50; St. Lonis extras, \$13.85 to \$17.75; Salifornia flour, \$15 to \$16.25.

Rye flour is easier at \$7.50 to \$3.25

Wheat has been in moderate request, but prices are firm at \$2.46 to \$2.45 for No. 2 Milwanker; Amber state, \$3.15.

Barley closes firm and is in fair demand for export and home sea at 95 cents for Cannda West, in hond, and \$1.18 to \$1.26 for do, free.

Rye is in moderate demand at \$1.35 for western in store. Corn has been much excited, and closes strong at \$1.18% for mixed in store, and \$1.20 to \$1.20% for old Western indeed dout.

Outs are firm and active at 66% to 67%c. for old Chicago, and

72c, for state in store. The Pork market has been fairly active, but prices are a shade easier, closing heavy at \$21 for new mess, and \$22.75 for old mess.

### Marriages.

In Woonsocket, March 30th, by Rev. D. M. Crane, Mr. Zelek barling to Miss Sarah Foster, both of Manchang, Mass. In Pawticket, 26th ult., Mr. James F. Coleman to Miss Eliza J. Potter, both of Pawticket.

In Springfield, Mass., 29th nlt., Mr. James Downer to Bridget illivan, both of Woonsocket.

In North Attlchoro, 20th ult., Pr. O. C. Turner to Hattle A. taunton, both of Attlchoro.

In Grafton, by Rev. Mr. Biscoe, Emory C. Stone of Shrewsbury, to Susie H. Harrington of G.; March 2:th, by Rev. G. Robbins, Edwin A. Howe to Alvesta K. Wood, all of Grafton, In Sutton, March 6th, W. Scott Martin to Orviller Mowrey hoth of East Douglas.

# Deaths.

In Central Ealls, 27th ult., Susan Bliss, aged 59 years; 27th, Elizabeth H. Paine, relict of the late Caleb M. Paine, aged 49, In Pawtucket, 27th ult., Susan, wife of Jeremiah Shooma, aged 67 years; 29th ult., Thilander Baker, in the 58th year of bis age; 22th ult., Mr. Jonathan S. Sidebottom, in the 54th year

In Coventry, 29th ult., Allerson Stone, Esq., in the 79th year of his age.

In Upton, March 16, Henry A. Whitney, aged 25 years.

In Milford, March 22, Hattic R. Ormes, aged 18 years.

In Rhoirt, Marco 23, Haute R. Ormes, aged 18 years. In Phenix, 27th ult., Ellen J. Hill, daughter of the late James N. Hill; in the 22d year of her age. In Attleboro, 12th ult., George Foster, aged \$2 years. 24th. Charlotte, wife of Jonathan Day, aged 73 years. In Killingly, Coun., 15th ult., widow Abeicna Perry, aged 94

In Mansfield, Conn., Chloe Turner, aged 73 years

# Advertising Department.

# Rhode Island.

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BAUGH'S RAW BONE SUPER PHOSPHATE OF LIME,

he BEST and GHEAPEST Manufactured Fertilizer in the Unitediates, for Wheat, Rye, Barley, Oats, Corn. Potatoes, Buck Alpea, Tobacco, Hops, Turnips, and all Garden Vegetales small Fruits, and every Crop and Flant. Particularly recommended to Cultivators of Strawberries, Raspberries, Black erries, and all small Fruits, as far superior to any other I crub 

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J. HODGES, ) B. W. PERSONS. | March 30, 1867.

### Massachusetts.

### FRUIT TREES,

GRAPES, SMALL FRUITS. ORNAMENTALS, &c.

WE have imported from foreign growers, and personally so lected at the largest New England and New York Nu sery Establishments, the choicest stock which we could fin this season, and now offer to purchasers a general assertment of

### NURSERY STOCK.

first class in quality, complete in variety, and extensive it quantity, at very low rates. A descriptive entalogue of 4 pages malled to applicants. Sample of the collection may be seen at our sulestroom, basement of 28 & 30 Water street, Botton of the control of the collection.

Importers & Nursery Agents, Office, 7, Water St., Ros. April 7, 1867.

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NEW STRAWHERRIES, GRAPES, CURRANTS, ROSDE, BULES, &c.

B. M. WATSON'S OLD COLONY NURSERY and SETD
STABLISHMENT, Phymouth, Mass, is now sending out by
all prepaid, packed with great care in gutta perchasilk, so as
or each any part of the Union in perfect safety, a complete asortheent of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS GOOSEBERRIES, BLACKBERRIES, ROSES,

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Bulbs, Lilies, &c., &c. Fruit and Ornamental Trees an Shrubs, Evergreens, Hedge Plants, &c., will be sent by freighpald to Boston. Also, the True Cupe Cod Cranberry, for cuit vaction in wet land, or in upland and Gardens, where it produces at the rate of 400 bushels to the acre; with directions from chitivation. Priced Descriptive Catalogues will be sent to an address. Now its the best time for Planting. The best way to but in good Fruits and Flowers, and Seeds, is to send direct the Grower. Send for a Catalogue. Wholesale Catalogues the trade. Agents wanted.

Thymonth, Mass., March 30, 1867.

CARROT AND MANGOLD WURTZEL SEEL

CARROT AND MANGOLD

1 raised the past season a fine lot of Long Red, Yeilow Globe, and White Mangold Wurtzel Seed, and will send either variety, post-pald, to any address, for \$1.00 \( \frac{1}{2} \) it.

Also, Long Orange Carrot Seed, of my own growing, for \$1.25 \( \frac{1}{2} \) it. I bere offer an opportunity for all to procure See DIRECTLY FROM THE GROWEE.

JAMES J. 11. GREGORY,

Marblehead, Mass.

March 30, 1867.

# Hew York.

### Great American Tea Company.

# THE IMMENSE PROFITS

TRADE. TEA

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American bouses, leaving out of the account entirely the profits of the Chinese

factors.

1st. The American House in China or Japan makes burge profits on their sales or slipments—and some of the richest refired merchants in this country have made their immense fortunes through their houses in China.

2d. The Banker makes large profits upon the foreign exchange used in the purchase of Teas.

2d. The Importer makes a profit of 30 to 50 per ceut in msny cases.

4th. On its arrivalit is sold by the cargo, and the Purchaser sells to the Speculator in invoices of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Tealer In lines at a profit of 1010 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Whelesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these RIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so

very much jower than small dealers.

correspondents in China and Japan, one eartage, and a small Through our system of supplying Chibathroughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation as though they bought there at our Warehouses in this city.

houses in this city.

Some parties liquite of us how they shall proceed to get up a club. The answer is simply this: Let each person wilbing to join in a club say bow much tea or coffee Le wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will jut each party's goods in separate packages, and mark the mine upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among the distribution. The funds to pay for the goods ordered can be sent by drafts on New-Yerk, by Post Ciber money orders, or by Payress, as

may sulf the conventance of the club. Or if the amount ordered exceeds thatly defines we will, if desired, send the goods by Express, to "collect out divery."

OOLONG (Black), 70c., \$0c., 90c., best \$1.77 lb. IMPERIAL (Green), best \$1.57 g/lb. ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1.10, best., \$1.90 % lb. \$1 20 % lb. GUNPOWDER (Green), \$1 25, hest, \$1 59.

ing them.

Our Blacks and Gr. en Mixed Teas will give universal satisfaction, and suit ril tastes, being composed of the best Foothood Blacks and Mayune Greens. English Breakfast is not recommended, excepting to lose who have negared a taste for that kind of Tea, although it is the finest imported.

Customers can save from 50e. to \$1 per lb by purchasing their

# THE GREAT AMERICAN TEA CO.,

GROUND CONFERT, 20c., 25c., 15c., best 40c. per pound, Hotels, Saloons, Boarding, house keepers, and families who use large quantities of Coffee, can communize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 20cs per p and, and warrant to give perfect satisfaction.

### Club Orders,

WASHINGTON, Pa., Nov. 10, 1366.
To the Great American Tea Company.
Nos. 31 and 33 Vesey-A. Nov. York

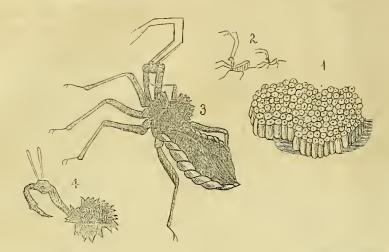
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	0	15	Oolong, best Separate package at 1	00	2	
)1"	5	16	Ground Coffce Separate package at	15	1	7
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The History of Trousers.—Tronsers were worn by the Oriental nations—Medes, Persians, Assyrians, Parthians—and by the principal Western nations of Europe known to the ancients, especially Dacians and Ganls. The first women who assumed this dress were the Amazons; but even these ladies modestly limited the time of such masculine habiliments to the period of warlike expeditions, after which they resumed the enstomary attire of their sex. These garments were made of skins, or richly wrought cloth, sometimes fitting tightly to the limbs, and sometimes loese and hanging in folds over the shoes, like the Tnrkish tronsers. The Greeks never wore them at all; nor did the Romans until the time of the Emperors.



THE "PRYONOTUS NOVINARIUS."



Group of Eggs. Pupæ.

Mature Female.
Thorax and Proboscis.

# Matural Mistary.

# OBSERVATION, AND WHAT MAY BE LEARNED FROM IT.

Written for the Farm and Fireside. BY. J. STAUFFER, LANCASTER, PA.

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 minute and feeble as well as those that exceed in magnitude and might." Nor ought those whose inclination or genius leads them to one department, to say to those who prefer another -" we have no need of you; " for each in his place, by diffusing the knowledge of his observations, adds to the common stock of previous 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, 1864, I observed a ameter, of small cylindrical cells, closely about ten survivors; these were remote from packed, similar to a houey comh; these were each other; becoming disgusted with the unattached to the side of a lath supporting a availing maneuvers to entrap each other, they grape viue. Ou inspection with a magnifying began to disperse to seek less cautious game, glass, I noticed that each eell was contracted such as aphids, flies and smaller insects that a small sack tied up. I then bad no idea what long, and no one can fail to recognize the feinsect brood was hatching, but suffered them male, with a thin eircular crest, raised vertilike small auts, perhaps eighty in uumher, cabinet maker, who captured one in the act of which I counted 120). Most all of them were his back. The varnish was no doubt intended, together in a dense group. My previous knowl- for a layer upon which to glue their eggs. edge of eutomology enabled me to recognize They proved to be the eggs and pupe of the are well known as depredators on the labors of Spence, in their introduction to entomology, the gardener and farmer. On inspection, I page 92, (ed. of 1846), speaking of insects of tborax were jet black.

On close inspection I noticed them sparring painter of insects and natural objects. with their autennæ like fencing masters, kieking out their hind legs, as some others put out feelers to observe the position; in short, I found them all eager, without respect to eondition, to guard against, and to take the ad- do know, that if they strike their lancet into vantage of, one another. And as soon as, either by fair or foul play, one succeeded to shock (to the nerves) will follow. I saw the implant the harpoon, concealed in his proboscis fact illustrated as to the flow of blood, on a into the abdomen of one of his fellows, all son of mine, but as to the electric shock I Hubbarn, Blake & Co.'s AXES, now acknowledged kicking and struggling would fail to dislodge made no inquiry. I usually handle them with hythe Manufacturers' Agents, W. E. BARKETT & CO., 32 Canal Street, Providence, R. I. the antagonist until the juices were fairly a pair of forceps, but whatever their conducting sucked out of its victim, and nothing but a power may be, I discovered no electric shock PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, skinny carcass left. I noticed that while one on any occasion, even when taken between skinny carcass left. I noticed that while one on any occasion, even when taken between

was regaling himself on his unfortunate fellow, another, taking advantage of his unguarded position, would stealthily come up behind him, and maneuver 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 It frequently happened that while one was regaling himself on one of his mates, another or product of both.

Thus their numbers decreased day after day, and the survivors fattened on the juices extracted from the carcasses of their own brood; as they became more developed they became more skillful and vigilant, and it was truly amusing, and a lesson of patience and tact for a general, to see their wary approaches, the continual activity with their feet and antennæ, their cautious and circumspect movements. I saw three oecasionally engaged in a triangular fight, each intent to make the lucky or fatal plunge into the fat, inflated ahdomen of its group or eircular patch about an inch in di- fellow. By the 20th of Juue, there were only at the outer end, with a somewhat dished (gr infest vegetation. When fully matured, they convex) eulargement, with radiating lines, like are of large size, one to one and a balf inches to remain for further observation. On the 6th eally in a longitudinal central position ou the of June, I noticed a group of minute insects, thorax, regularly toothed, and, as termed by a around the group of eggs hefore noticed (of stealing varnish, as having a circular saw on now open, and the young fry were huddled as they use the gummy exudations from trees, that they were the pupæ of some species of Pryonotus novinarius, also called Arilus in Hemiptera heteroptera, some of which, like the Westwood. I find uo mention of this genus common squash bug, chinch-bug, and the like, in the writings of Harris or Fitch. Kirby and observed that they elevated their abdomen, this order, say:—"Yet I can assure yon, upon which from a light yellow soon turned into a good authority, that *Reduvius serratus* (Prydeep orange color, as also the last joint of onoths serratus *Latr.*) commonly known in Seed Barley. deep orange color, as also the last joint of onotes serratus Latr.) commonly known in their antennæ; otherwise the head, legs and the West Indies by the name of the wheel bug," (Westwood adds, so named from the Desiring to study their habits, I suffered them singular prothorax circularly elevated, and singular prothorax circularly elevated they increased in size, with quite a number of carcasses of their companions adhering to the Davis, of the Royal artillery, well known as the companions adhering to the lath. This excited my curiosity—first, when to remain; they continued on the spot that toothed like a cog-wheel) "can, like the

> Our insect, now quite common about Lancaster, Pa., is very much like the West India wheel-bug in form and appearance; but as to having electric action, I know not. But this I your flesh, the blood will flow, and no doubt a

the thumb and finger, across the abdomen.-Thus I became acquainted with the babits of this insect. The result of my observation is not flatteriug to the social qualities of the young brood, in their blood-thirsty, fratrieidal fattening on each other, so that the most 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 without parental care or provision made, and are governed solely by appetite, to feed and fatten on each other. I apprehend that this case was an exception to the general rule, having since found groups of eggs on the branches of trees infested by plant lieewhen the young may disperse earlier and gratify their appetite on more docile victims. Nevertheless, this latter is a surmise; the former a faet as I observed it.

April, 1867.

A BIRN SHOW. -- At the annual bird show at the Crystal Palace, Sydenham, England, on the 9th ult., nearly one thousand one hundred specimens were exhibited, including a jackthe attack of some other equally greedy villain. daw, all white; an almost equally singular specimen of the hedge-sparrow genus, all white; and an Australian magpie, which has companion was treating himself on the juices a tenor voice that, with a little musical culture, might be turned to profit as an exhibition.

# Advertising Nepartment.

#### Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c.

Holder's Block, Main Street.

Woonsocket R 1

W. E. BARRETT & CO.,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS. SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS,

GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVEN HINOEN HARROWS, CULTIVATORS,

ROAD SCRAPERS, OX YOKES, AND PLOW CASTINGS; And Wholesale Dealers in

oes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks, Hand and Horse Rakes, Itay Cutters, Corn Shellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete:

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES.

Whitcomh's Patent Horse Rake, and the best Hay Tedder in the market. Prices low and Terms Cash

OFFICE, 32 CANAL STREET,

March 23, 1867.

W. E. BARRETT & CO., PROVIDENCE, R. 1.

Now offer at the LOWEST CASH PRICES,

Spring Rye.
Bedford Seed Oats.
Early Goodrich Potatoes.
"Schec Potatoes.
Late White Peach Blows.

Late White Peach Blows.

Harrison Potatoes.
Seed Peas.
R. 1. White Cap Corn.
London Hort, and Concord Pole Beans.

32 CANAL STREET, 32.

March 23, 1867.

PROVIDENCE. we-tf

ROAD SCRAPERS, made of old Car Wheels, for sale by
W. E. BARRETT & CO.,
32 Canal Street, Providence, R. L.

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

WHITE FRENCH TURNIP, of the purest kind, rals. sold in small or large lots, by W. E. BARRETT & Feb. 23, 1867. 32 Canal Street, Providence,

MAUPAY'S SUPERIOR TOMATO SEER can be had of W. E. BARRETT & CO., 32 Canal Street, Providence, R. I

PARRETT'S EXTRA EARLY CABBACE,—The best and largest in the market. Price, 25 cents a paper. Raised W. E. BARRETT & CO.

W. E. BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Shares' Patent Horse Hoes, Chae's Two Horse Potato Diggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

### massachusetts.

BY MAIL, PREPAIR.

CHOICE FLOWER AND GARDEN SEEDS,

NEW STEAWBERRIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Union in perfect safety, a complete assortment of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS. GOOSEBERRIES, BLACKBERRIES, ROSES,

#### FLOWERING PLANTS,

Bulhs, Lilies, &c., &c. Fruit and Ornamental Trees and Shrubs, Evergreens, Hedge Plants, &c., will he sent hy freight paid to Boston. Also, the True Cape Cod Cranberry, for cultivation in wet land, or in upland and Cardens, where it produces at the rate of 400 bushels to the acre; with directions for cultivation. Priced Bescriptive Catalogues will he sent to any address. Now is the hest time for Planting. The best way to ohtain good Fruits and Flowers, and Seeds, is to send direct to the Crower. Send for a Catalogue. Wholesale Catalogues to the trade. Agents wanted.

Plymouth, Mass., March 30, 1867.

2m-ee-12

Collins, Bliss & Co.,

PRODUCE AND COMMISSION MERCHANTS CASH ADVANCES MADE ON CONSIGNMENTS.

233 Slate Street, and 130 Central Street, Bosto

New England Agents for the NONPARIEL FRENCH GUANO.

It is claimed that this Ferillizer 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-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantily to permanently enrich the soil.

PRICE \$60 PER TON.

Send for Circular giving full particulars.
March 9, 1867.

SOUTH DOWN CO.'S PATENT

SCAB, VERMIN AND FOOT ROT should he used by all Farmers on

SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for ears, and never fails to produce the desired effect when used

ccording to directions.

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep.

It cures SCAB on Sheep.
It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT COUNDS of TOBACCO, as prepared by farmers.

Sold by all Bruggists and Country and Agricultural Stores

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts. For sale by KENDALL & WHITNEY, Portland, Me.: N. S.

March 9, 1866. 4m-we-9

# new york,

J. HICKLING & CO. S

GREAT SALE OF WATCHES.

On the popular one price plan, giving every patron a handsome and reliable watch for the low price of Ten Hollars! Without regard to value, and not to be paid for unless perfectly satisfactory!

500 Solid Gold Hunting Watches. \$250 to \$750 500 Magic Cased Gold Watches. 200 to 500



THE FARM AND FIRESIDE 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 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 bis children. Nothing will be published offensive 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 advance. Single copy 5 cents.



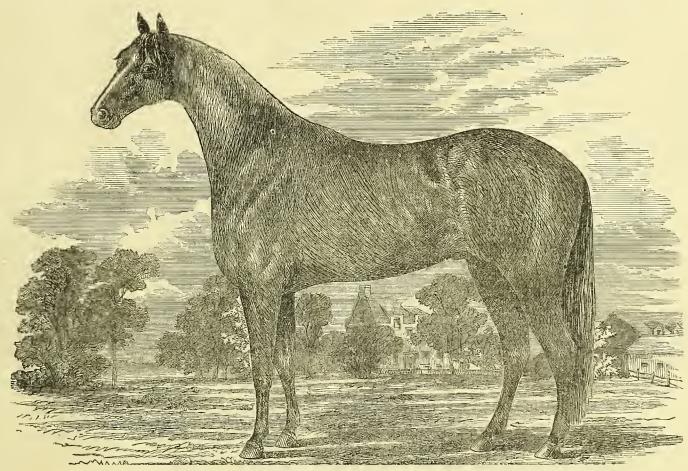
ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT FOR RHODE ISLAND.

S. S. FOSS, PUBLISHER, MAIN STREET. TWO DOLLARS PER ANNUM, IN ADVANCE. SINGLE COPY, FIVE CENTS

VOL. 1.

# WOONSOCKET, R. I., SATURDAY, APRIL 13, 1867.

NO. 14.



THE HIGHLY - BRED TROTTING STALLION, "BELMONT ECLIPSE."

BRED AND OWNED BY WINTHROP W. CHENERY, BELMONT, MASSACHUSETTS.

WE take pleasure in presenting the above minm in bis class—four first prizes baving been cut of the splendid blood stallion "Belmont awarded to him, including that of the New Eclipse," a fast trotting son of the celebrated England Agricultural Society, at their Exhibiimported four mile race horse "Balrownie."

### PEDIGREE.

BELMONT ECLIPSE." Chestnut colt, foaled in 1859. Got by Imp. "Bairownie" (winner of the "Donaster Stakes," the "Pontefract Gold Cup," and "Caledonian St. Leger," and sire of "Capt. Moore," "Sunshine," "West Roxbury," "Fleet Wing," &c.,), out of "Meg Merrilles" by "Leroy," dam by "Black Snake," and he by "Lee Boo," (sire of "Old Squaw," dam of the slasbing black gelding "Lancet").—"Balrownie," by "Annandale," out of "Queen Mary" (dam of "Blink Bonby "Annandale," out of "Queen Mary" (dam of "Blink Bonny," winner of the "Derby" and "Oaks," in 1857,) by "Gladiator," dam by "Plenipotentiary" (winner of the "Derby," in
1834,), out of "Myrrha" by "Whalebone" (winner of the "Derby," in 1810,) by "Waxy" (winner of the "Derby," in 1793,)
by "PotSos" by "Eclipse,"—"Annandale," by "Touchstone"
(winner of the "St. Leger," in 1834,), out of "Rebecca" (dam
of "Alice Hawthorne,") by "Lottery," dam by "Cervantes,"
out of "Anticipation" by "Benninborough (winner of the "St.
Leger," 1794,), by "King Fergus" by "Eclipse." Leger," 1794,), by "King Fergus" by "Eclipse."

lies in America, on the side of his dam. He quisite in breeding first class trotters. is himself a splendid specimen of the high-bred trotting horse. His color is a rich golden chestshoulders; short, strong back and loins; very musele.

he has, in every instance, taken the first pre- knee aright in the trot.

tion held at Concord, N. H., in September,

"Belmont Eelipse" has never been trained for the trotting course, baving been used in the an eminent degree, combined with superior eighty-three pounds.

the thorough bred horse is such as to preclude ted to us, had mills for grinding grain conthe possibility of his acquiring a fast trotting structed upon the first principle of all modern able and injudicious velocity, as heating of gait, has been thoroughly exploded, and, at the mills, only the bed-stone was a cone, instead the surface and consequent danger from fire, above pedigree, unites the very best racing blood present time, the prevailing idea amongst tarf- of being flat surfaced, and the "ranner" conof the English turf, on the side of bis sire, with men and horse breeders is, that a large infusion cave, shutting down over the "nether millthe blood of one of the best-bred trotting fami- of thorough or racing blood, is absolutely re- stone" like a cap, or one bowl turned over an-

will make a trotter, or sire of trotters, but it is nut; he has a clean, neat head; strong, oblique claimed that a class of trotters as fast as "Lady Palmer," and as lasting as "Capt. McGowan," long hind-quarters; powerful, well-let-down may be bred by making judicions and discriminhoeks; flat, wide, sinewy legs; faultless feet; ating selections of breeding stock, both male and has throughout a full share of bone and and female, from those thorough bred families which bave plenty of size and bone, and show This horse stands 16 hands high, and weighs a disposition to trot; especially those having 1,075 pounds; is good tempered, tractable, good knee action, as it will be found that some and possessed of remarkable speed and endur- thorough breds, that show superior trotting ance. When exhibited at Agricultural Fairs action in the hind quarters, do not bend the bread among the ancients, was one of neces- class flouring establishments, "faney family

### FLOUR AND MEAL MAKING.

Written for the Farm and Fireside, BY RICHARD C. KENDALL, PHILADELPHIA.

Modern mills for grinding grain, though in principle very nearly what they were when the Sons of Midian were millers, have, however, breeding stud every season since he became been very greatly improved in quality and cathree years old. He has, however, trotted a pacity. If the Elder Pliny tells us the truth, mile in 2.37 $\frac{1}{2}$ , and in bis exercise can show a in bis day it required two men and three strong 2.30 gait. His get, some of which are coming foxen a whole summer's day to reduce to flour four years old, all have the trotting quality in a Roman bushel of wheat—a measure of about

The Romans, Jews, and all nations of which The absurd fallacy that the mechanism of by historic record any knowledge is transmitother; the grain being fed in by the miller in most grinding and make the best of flour when It is not argued that every thorough bred handfuls, and the runner turned at the rate of the runner is driven at the rate of about two one revolution in two minutes, either by man- hundred and eighty revolutions per minute; ual or animal power applied to levers, inserted as at that rate, if the bed-stone is permanently into the runner.

> extra family, or superfine flour turned out by dip or "wabble" to it, no heat will be generated; mills running at so low a velocity. The maland if the draught of the furrows is correct terial was simply mashed grain, of which no and the delivery snfficient, the flour or meal light bread or cake could be made, with all the will be discharged quite cool; and unless it lightening in Jerusalem or ont of it, and does that, there is something wrong in the therefore the practice of eating unleavened grinding. I have seen, in some of our first

In the United States, for a good many years, Cologne or Cocalico millstones from four and a half to five feet in diameter, and driven at the rate of about one hundred and thirty revolutions per minnte, were considered the best standard size and velocity for flour making. Science and experiment taught us that a diminished breadth, and increased speed was better. So we went on, redncing the size of millstones gradually by inches and balf inches, and driving them at greater velocity, until we have the standard size about thirty-six inches, and the speed from two hundred and twenty to three hundred and fifty turns per minute. In some instances burs are driven as high as four hundred revolutions; but that is an unreasonand bad grinding as well, is the result.

Now, a pair of fairly dressed French burs, three and a half feet in diameter, will do the secured and exactly level, and the runner so Of course, there could be no "fancy brands," nicely balanced that there is not an atom of flonr" discharged from the burs for hours con-



THE TULIP was first obtained from the Turks, and was called Tulipa, from the resemblance of its carolla to the Eastern head-dress called tulipan or turban, and hence comes our name of tulip. Moore alludes to this similarity in Lalla Rookh. A sailor having taken some goods to a Dutch merchant, had a herring given him for his breakfast, but seeing what he supposed to be a kind of small onions lying on the counter, the tar took a handful, which he ate with his fish. They proved to have been tulips, of such value that it was estimated a magnificent breakfast might have been given to the heads of the Dutch government for less expense than the tulip bulbs which the sailor took with his herring.







secutively, so hot that it was uncomfortable to hold in the hand. That was "low grinding;" the way to get a harrel of "Extra Family," out of about two hundred and twelve pounds of wheat; hut not the way to make flour that wholesome bread.

In flour making, as in many other arts and produce satisfactory results. These requisites supplies their place, making much inferior flour from first class grain.

A single field of wheat, of a few acres, 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 appearance, but in griuding readily discovered by 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 touch, good or had flour, 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 liable to he deceived by appearances.

Place a thimhle full of flour iu the palm of the hand and ruh it gently with the finger of that element by which life alone continues. the other hand. If the flour smooths down under the finger, feeling silky aud slippery, it is of inferior quality, though of fancy hrand, high-priced and white as the virgin snow-drift. It has been either too low ground, or made from grown, damaged, or perhaps wheat having an uuusual per centum of gluten-murdered with dull hurs, and will never make good, hight, wholesome bread. But if the flour ruhs rough in the palm, feeling like fine sand, and has an orange tint, purchase 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 ishing fluid is being constantly consumed, and bread as that of winter varieties. This is an error that ought long since to have been corrected. Properly ground, good Spring wheatas the genuine Odessa, Italian, and French T., will make as good a quality of flour, and the flour as good hread, cakes, and all kinds of pastry, as the average of prime Winter grain. bon, hydrogen and oxygen materially euter But to grind Spring wheat properly, the miller must be master of his trade, as well as possessed of practical common sense, and cousiderable ingenuity. As the Spring wheats contain, on an average, about nine 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 ordinary Winter wheat, will half ruin that

That wheat which contains the largest amount of gluten grinds the hardest, aud soonest induces heat in grinding; and to grind such he clean, sharp burs; quick draught to the fur- our hest manures. rows, free delivery, and high velocity, iu order to get the material ground and out from under the value of substauces for manures, which well to Winter grains that contain an unusual damp, or foul with "cheat."

In corn milling, three quarters of all the meal made is wantonly man-slaughtered by driven at too low velocity. To make good solid surfaced; the furrows cut deeper than for wheat, the draught greater, free delivery, running without an atom of "wabhle," and

#### PLAIN TALK WITH FARMERS.-NO. 5.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

GEOLOGY, and vegetable physiology, are not will give us the most nutritious, light, and the only sciences, in this remarkable age in which we live, that minister to the justruction and wants of the agriculturist. Agricultural useful avocations, good judgment and practical ichemistry comes in to teach him the nature of icrop greets the advent of your sweeping common sense must second science in order to the various elementary constituents of bodies, and the laws which regulate their combination heing too frequently wauting, the utter ignor- in the organic and non-vital world; while anec of the philosophical principles of milling animal and vegetable physiology instruct him light of chemistry. By taking advantage of in the constituents of organic, or vital beings. Chemistry discloses to him the existence of deleterious gases in the atmosphere; 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 absorbed by them as part of their structure, while the oxygen, so necessary to mau's vitality, is excreted into the air hy them cultivation there have been produced from as useless. So thus hy an arrangement, the wisdom of which is apparent, the vegetable kales, at least a dozen varieties; all the early and animal kingdoms are made to contribute savoys, and the whole family of turnips. mutually to each other's support: nay, they are essential to each other's existence. Destroy the animal reign, and the vegetable would speedily perish for want of its proper nutriment. Eradicate the vegetable cover of the earth, and the very air we breathe will lose

> Chemistry reveals how certain elements of the inorganic world contain nitrogen, phosphorus, soda and lime; while vegetable physiology clearly demonstrates how the living ing speediest to maturity. organisms of the plant, when these substances in the shape of uatural or scientific manures are brought to its roots, through these vegetable mouths drink in the liquid nourishment that the rains wash down, which by Nature's secret process goes to form stem, leaves, and flowers. Vegetable physiology developes for the agriculturist the great truth—that what the blood is to the life of man, so the sap in vegetables is the vital current, the nourishing fluid, which, circulating through their veins and arteries, is necessary for the maintenauce and increase of their frames; and as this nourmust receive fresh supplies, agricultural chemistry reveals the elements that euter into its formation.

It analyzes the sap of the vegetable, and finds it to consist of all the elements of which the individual plant is composed; while carinto its formatiou. Then vegetable physiology most heautifully makes manifest, how plants derive all these gases from the atmosphere; their carbon from its carbonic acid; their 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 coming in contact with earth's organic submade from the best Spring varieties that ever stauces, produces that vigor in vegetation which is the sure accompaniment of the Summer shower. So that, iu fact, the electric magazines of the skies, aided by earth's suhstances, are continually engaged in the manuwheat as it must be, in order to produce the facture of those nitrates of potash, soda and best flour it is capable of yielding, there must line, that form such important ingredients in or grain, giving a healthy, sleek, shining ap-

Chemistry has taught the agricultural world pressure in the least possible time. The same heretofore have been deemed worthless. It of their food is passed in the whole state; hy conditious and rules of grinding, apply as has shown why plauts grow upon a soil that feeding carrots this difficulty is obviated. is well manured, because such manure has per centum of gluten; or are grown, shrunkcu, added to the soil the elements that enter into rotted stable manure, and an application of the structure of the plants, nitrogen, phos- 300 or 400 pounds of superphosphate, together phorus, sulphur, potash, soda and maguesia. It has taught the agriculturist, that where the being rather smashed than ground, and ruhbed natural manures fail, artificial compounds may down into fine flour between dull mill-stones, he resorted to, giving to the soil and the six hundred to eight hundred hushels per acre plants, something in which the first was decorn meal, such as will make best bread, cakes ficieut, and the latter was craving for uourish-process, requiring no particular art or skill and puddings, the mill-stones should be close, ment. It has taught the characteristic dis- above producing good crops of other roots and tinction hetween animal and vegetable manures-that the former contain a much larger proportion of nitrogeu than the latter; and in- loosened to the depth of 16 to 18 inches, hy both bed-stone and runner must he kept clean structs you how to hest treat animal manure, thorough plowing and subsoiling, mixing in dressed, so as to cut the corn into grauules so as to hold and preserve that nitrogen, or well rotted manure in liberal quantities. The like sharp sand, rather than mash it iuto a mass the volatile ammonia which decay evolves deep working is necessary to grow smooth, of fine flour, as is too universally the custom. from it, and upon which most of its virtue de-long, taper roots, instead of "fingers and toes,"

you that your soil is deficient in sulphur or ground. Harrow and make the soil thoroughly ing of sulphate of soda to your wheat, and half feet apart, for field culture; and eighteen earth with its weight. You find that the land your superphosphate, and cover about two inin mitrogen. You top dress it with a preparation of nitrate of soda, and a rich luxuriant

Already the system of scientific cultivation is heing guided and directed materially by the varieties produced naturally, hy endeavoring to produce others by art, and forming hybrids, an immense number of varieties have been brought iuto existence; each possessing peculiarities of great interest and importance. On the maratime cliffs of England, there existed a little plant with a fusi-form root, smooth leaves and a flower similar to that of the wild mustard, with a saline taste. By scientific that insignificant plant, all the hroecoli or Now although it is uot fair to suppose that cultivation can ever produce from a single plant so many varieties, as have sprung from this brassica, much is being doue, and more can be done in this direction. Scientific cultivation, aided by ehemistry, 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-

April, 1857.

#### CARROTS AND THEIR CULTURE.

Written for the Farm and Fireside, BY W. H. WHITE, SOUTH WINDSOR, CONN.

It needs no argument to convince the progressive, wide awake farmer of the value of the carrot in feeding to stock; and of its cconomy as a field crop. Many object to growing root erops on account of the hack-aehing labor necessary in their production. By taking advantage of improved implements, very much of the most objectionable and back-trying lahor may he dispensed with. The seed sower, scuffle 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 suitable rich soil, is the great secret in carrot, as well as in all other root eulture. As a market crop they are valuable, 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 milk 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 certain vegetables, which, acting upou the contents of the animal's stomach, greatly assists the process of digestion. For this reason they are valuable as feed to horses kept on dry feed pearance to the skin and coat, as well as improving their digestion. Often when horses are kept on hay and grain alone, considerable

By liberal mauuring, ou good soil, with well with thorough culture, one thousand to twelve hundred hushels per acre may he grown. With a less liberal manuring and fair culture, may be grown. The cultivatiou is a simple vegetables. The best soil is a rich loamy oue, which should be thoroughly hroken up and

soda. Guided by this, you apply a top dress- if fine; lay off the drills two to two and one the full grain in the ear almost bends to the inehes for garden culture. Into the drills strew you are about to lay down in grass, is deficient ehes, 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 planting is from the middle of May to the first of June. For garden or early culture, the Early Horn will be found the best. For winter or field culture, use the Long Orange. The Altriugham is thought hy many to equal the Long Orauge. Ou the whole, I think the Long Orange is as good as any kind we have. As soon as the plants are up, go through with the scuffle hoe, destroying all weeds; you can do it more effectually with the scuffle, 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 in 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, when the eows are kept upon dry fodder.

April, 1867.

THE California Agricultural Society requires that 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 equal 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 physieian, speaking upon the vital subject of hreadmaking, advocates the use of unbolted flour. He says that hy leaving 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 hard-working men aud women, when it constitutes the principal sustenauce. Owing to the absence of the bran, babitual 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 wide-

THE Ciuciunati Price Current published last week the annual report of pork packing in the West. It says: The total number of hogs packed, is 2,425,254, against 1,705,955 last season; the general average weight 232 1-7 pounds against 231 3-10 pounds last season, and the yield of leaf lard 292 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 not beeu out of the city for years, fainted away in the pure air of the country. He was only resuscitated by putting a dead fish to his nose, when he slowly revlved, exclaiming: "That's good-it smells like home!"

Two correspondents of the Rural American say that a few seeds of the Palma Christi, or castor hean, scattered ahout their hauuts, will destroy ground moles.

An Association proposes holding a State Agricultural Fair in Baton Rouge, La., during pends. Chemical analysis, perhaps, will show as is often the case in more shallow worked the week beginning Monday, May 6th.



Forgetfulness of Studious People.—Dr. Stuckley ouce waited upon Sir Isaac Newton a little before dinner time; but he had given orders not to he called down to anyhody till his dinner was upon the table. At length a boiled chicken was brought in, and Stuckley waited till it was nearly cold, when being very hungry, he ate it up, and ordered another to he prepared for Sir Isaac, who came down before the second was ready, and seeing the dish and cover of the first, which had been left, lifted up the latter, and turning to the doctor said, "What strauge folks we studious people are! I really forgot I had dined."





# The Field ..

#### SEED POTATOES.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

It is proper, before going into particulars a to the propriety of planting cut seed, to consider the claims of the different kinds now under cultivation in this locality. Our standard market potato has for many years been the Mereer, but from some unexplained cause, it has for some years, except in favored localities, failed to give a satisfactory yield, though it still seems to keep up its high standard of quality but as quantity is an important consideration, 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 public favor by their large yields and improved average size.

Of the newer kinds we have the Goodrich Seedlings, the Monitor and the Buckeye. Thus far the Monitor, Peach Blow, and Buckeye, seem to be the most formidable rivals of the Mercer, which, though they do not commaud as high prices as the latter, make it up in greatly increased yields. Of the Jackson White, the pride of the Boston market, we know but little, in our locality. The Peach Blow, so highly prized in the New York market, after many trials, has been disearded here, as not being adapted to our heavy soil. For the same, or some other reason, the Buckeye, while it is satisfactory with regard to yield, is not so in respect 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 Mercer. This we might suppose would be the result of a hybrid of the two, and this idea I have put into practice by the products blossoms. It being only three years from the seed ball, it is of course too soon to know whether it will fulfil the above requirements

Last season I had under cultivation Early Goodrich and Cuzco of the Goodrich Seedlings, the Monitor, raised by Bulkley, the Mercer, the Nova Scotia Mercer from improved seed, and the Early June. The result of my experiment, has been to leave the two latter out of my list for next year, for a want both in quantity and quality. The Monitor aud Cuzco have maintained their reputation for productiveness, and the former has more than maintained 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 their standard. The Monitor has this scason proved itself quite as good in quality as the Mercer, but I think it is much more influenced by the season than some other kinds; those raised in a dry season being better than the product of a damp or wet season; and those raised on rolling, loose ground, better than those from heavy, wet soils. The Early Goodrich, from its being essentially an early potato, does not seem to come into competition with other kinds, but compared with them as to yield, it has a decided advantage.

This season their relative productiveness has been: the Cuzco three hundred and fifteen, Monitor three hundred and five, Early Goodrich three hundred and twenty-five, and Mercer seveuty-two bushels per acre. Of the lot, the Monitor and Mercer had the same potato, aiming to have from one quarter to treatment, which was rather better ( with re- one third of a pound in a hill. gard to manure) than was accorded to the others, and for this some allowance should be

No one seems to doubt the productiveness of the Goodrich Seedlings, and nine teutlis of those to whom I have put the question, are of the opinion that this productiveness is attributable to the fact 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 productiveness.

In my opinion, we will find the secret in another cause. Goodrich from the first, made use of whole seed, believing that cutting bad a tendency to weaken the stock, decrease the yield of breeding ewes and lambs.

and deteriorate the potato. Experiment will demoustrate that in all kinds of potatoes there are two distinct classes of eyes, which in a perfect potato can readily be distinguished from each other. Some kinds of potatoes, of which the Cuzco, Mercer and Pink Eye Rusty Coat may be taken as a type, are not regular throughout their length, the perfect specimens being smaller at one end than the other; the thick or large end is that which, in growing, is attached to the root or stalk, and, for distinction, may be styled the root end. The smaller end contains a close bunch of shallow eyes, which few men in this country who essayed to give have been styled the blossom eyes. If we divide a potato in three pieces, 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 circumstances, will show different results. The blossom eyes will break through the ground first, and in the course of from four to eight days will be followed by the middle eyes, which in turn will be followed by the sprouts from the root end, after several days have clapsed. I know that in the above I am not advocating a new idea, for it has been known for some time, and some to whom I bave mentioned the fact have said "yes I know it and bave tried it, but could see no difference in the yield of the three kinds, and do not believe there is any."

Lest there should be those among the readers of the Farm and Fireside who, from the same result have adopted the same reasoning, I would say, try it for three years, keep the three kinds separate every year, and raise seed from each kind for three or four seasons, and there will be some difference, and so great a one, that no oue will hesitate which seed to select for future planting. I do not wish to say positively that this is the reason of the productiveness of the Goodrich Seedling; but I do believe that any kind may be increased in proof a seedling Mercer hybridized by Monitor ductiveness by the continued use of blossom

One point in the chain of argument I have omitted; if a potato is planted whole, as a general thing, the blossom eyes only will grow. I do not give it as au invariable rule, for it has its exceptions; but it will usually be true, and by planting whole seed, we usually will get sprouts from blossom eyes, which, from some eause, will sprout to the exclusion of the other eyes.

Iu the old fashioued mode of planting, it was customary to cut the potato into pieces of two eyes each, and of course, the blossom eyes were planted with the others; and when seed for the next season was selected from the pile at large, there was but little if any deterioration; but when the too common plan of saving small or middle sized potatoes for seed, was adopted, a deterioration iuvariably took place, which, sooner or later, led to a complete change of seed. Now, as the blossom eyes produced the earliest 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 blossom eyes was lost, and that the seed was from seeond and third class eyes, and therefore imperfeet?

Having said this much in favor of whole seed, my statements will perhaps be thought eontradictory, if I now advocate cut seed, and say that I always cut the seed for my main crops, only planting that of my experiment plot whole. My rule is to cut the potatoes into halves or quarters, according to the size of the

If my argument above is correct, there are undoubtedly more blossom eyes in a large potato than we used in a hill, and hence I have adopted the idea and carried it out in practice, that if I ean attain a few blossom eyes in each piece, I am doing as well as if I planted the whole potato.

After several careful experiments, I can detect no difference in the product from whole hedge. seed and that cut as above, having used seed from both kinds and kept them separate; I am not yet ready to say positively, but so far I ean detect none.

*April*, 1867.

# Various Matters.

#### THINGS WISE AND OTHERWISE.

In China the physician who kills a patient has to support his family. Quite a number of families would be supported under such a law, 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 uiovement. Mr. Woodruff was one of the dignity and character to the turf.

A piece of Lake Superior quartz, weighing onnees, has been smelted at Eau Claire, Wis onsin, and found to contain 5 ounces of silver.

A lawsuit is pending in Chicago about five and a half inches of land. Land must be valuable "thereabouts."

A Southern planter, who sometime since ried the experiment of employing monkeys to pick eotton, reported that it was an immense uceess, but that it required two overseers to watch each moukey and keep bim at work.

A horticultural wag of our acquaiutance says he is eudeavoring to discover a plan to extract the beats from musical compositions. He states that they are worth trying for, as in some cases it only takes two to fill a measure. We compelled the aforesaid wag to "beat" a

A woman begins to have great antipathy to lates when she finds herself out of date.

The effort to raise salmon transferred from England to the rivers of Australia, has proved entirely successful. The work was done by the Aeclimatisation Society.

A Missouri blacksmith has prepared a horseshoe 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 from the mine.

One thousand emigrants pass through Coumbus, O., on their way West every week,

The dove was the first newspaper carrier, when one morn it went out and fetched a leaf for Noah. It contained a paragraph on the weather, notifying him that the heavy rain had

A SUBTERRANEAN CITY DISCOVERED IN CEN-TRAL ASIA.—Foreign journals report that a subterranean city has been discovered in the vicinity of Fort No. 1, on the Sir-Darya river, in Turkistau. Kirghisian settlers having 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 procured them. On their taking him to the place, the existence of a subterranean city of vast extent was soon apparent to the astonished Russians. The place seems to have been originally built on the Lake Avel, but by the receding of the water is now at some distance from its shores, and in the course of time has been covered up by sand and alluvial deposits. Whether it belongs to the ancient Parthian, or, comparatively speaking, modern Dshungariau period of Turaniau history, has not yet been ascertained. A guard has been stationed ou the spot to protect the mysterious city from depredatious, until the arrival of further orders from the Government of Orenburg.

HEDGE PLANT .- The Norway spruce is strongly recommended for a hedge plant by ever. On the grounds of Ellwanger & Barry, Rochester, N. Y., is a beautiful Norway spruce hedge that will turn any stock, from horses and eattle to a rabbit. In setting a hedge, use plants from two to three feet high, placing them three fect apart in the row. In four

HOLDING UP MILK.-Mr. L. Morton informs the Rural American that when his cows trouble him in this way he reaches his hand up and places the ends of his fingers on the backbone, forward of the hips, and presses down hard Ar this season of the year, take extra care for a minute or so, and they will always give has been produced by a French gardener, and down.

#### WHIMS OF MONOMANIACS.

The whimsical ideas of monomaniaes are innumerable. There was once an English elergyman, the Rev. Simon Brown, wbo died with the conviction that his rational soul was annihilated by a special fiat of the Divine will. A patient in the "Retreat" at York, England, thought he had no soul, heart or lungs. A soldier, wounded on the field of Austerlitz, was struck with a delirious conviction that he was but an ill-made model of his former self. "You ask how Pere Lambers is," he would say; "he is dead-killed at Austerlitz; that which you now see is a mere machine made in his likeness." Dr. Mead tells us of au Oxford student, who ordered the funeral bell to be rung for him, and went himself to the belfry to instruct the ringers. He returned to his bed only to die. A Bourbon prince thought himself dead, and refused to eat, until his friends invited him to dine with Turenne and other French heroes long since departed. There was a tradesman who thought he was a seven shilling piece, and advertised himself thus: "If my wife presents me for payment, don't change me." Bishop Warburtou tells us of a man who thought himself a goose pie; and Dr. Farreday, of Manchester, had a patient who 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 heads 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, debated whether he should rise all together, or senteuce by sentence.

NEATNESS OF ENGLISH DAIRYMEN. -Mr. Willard gave high praise to the English dairymen for the perfect neatness and eleanliness of their dairies. Nothing in English cheese making struck him with so much force and admiratiou as the cleanliness with which everything is conducted. The milking is very earefully performed in tin pails. The dairy is located out of the reach of bad odors, or auything likely to taint milk. The milk rooms have stone floors, the joints of the flagging cemented, so that no slops or decomposed milk cau find an entrauce. The utensils and everything about the dairy are kept as clean as the table and crockery of the most fastidious housewife. This feature of eleanliness, the speaker said, he found wherever he went, from the Royal Dairy, at Windsor, and radiating from thence all through England. He believed it was this cleauliness and the untainted condition of the milk, together with the even temperature of the curing rooms, that were the leading causes of the fiue flavor which is characteristic of some of the English cheese.

FISH IN COLD WATER.—Waters too salt are adverse to the fattening and thriftiness of fish, probably also to their increase. Witness the pitting of oysters and mussels, the ascent of rivers by fish to deposit their spawn, and a score of other similar facts. Warm seas produce but poor fleshed fish. Maury even tells us that the fish of the sea afford, perhaps, the best indication as to the cold currents in it. The Atlantic cities and towns of America owe their excellent fish markets to the stream of eold water from the north, which ruus along the coast. The temperature of the Mediterranean is four or five degrees above the ocean several of the Western horticulturists. It does temperature of the same latitude; and the fish not shade the ground so much as the Osage there are most indifferent. On the other band, Orange, is perfectly hardy and a beauty for- the temperature along the American coast is several degrees below that of the ocean, and from Maine to Florida, tables are supplied with the most excellent of fish. The sheep's head of this cold current, so much esteemed in Virginia and the Caroliuas, loses its flavor, and is eousidered worthless, when taken on the warm years they will form a beautiful compact coral banks of the Bahamas. The same is the case with the other fish. Iu the cold water of that coast they are delicious; in the warm water ou the other edge of the Gulf Stream, their flesh is soft and unfit for the table.

> A blue tulip, for which vast sums were offered during the tulipomania a century ago, will be on exhibition at the Paris Exposition.



Newspapers in Constantinople.—An American missionary thus writes: "The increase of newspapers published here, and in other principal eities of Turkey, and the number of persons who read them, are among the most noticeable signs of the times. In this city, two years ago, it was a rare occu rrenee to see a newspaper in the hands of the natives passing up and down the Bosphorus or Golden Horu, in the steamers which here take the place of the street cars of Boston and New York. Now it is almost as common a sight as in those cars. Newsboys throng our thoroughfares with their papers—in Turkish, in French, in Greek, in Armenian, &c. Ten daily papers are published at Constantinople.





# Marticulture.

#### PEAR CULTURE-STANDARD TREES.

Written for the Farm and Fireside, BY R. ROBINSON SOOTT, PHILADELPHIA.

FROM the results arrived at by many experiments extending over a wide extent of eountry and a period of many years, some of them conducted nnder the most unfavorable eircumstances and with the least possible amount of knowledge of the subject, it appears to be the accepted belief that the Dwarf Pear, or the "pear on quince," is short lived. Several, nay many, of the most skillful fruit growers still value the dwarf tree, and are not prepared to coincide in the unqualified condemnation of their favorites, so that we shall still bear and read of the choice dwarf pear trees of such cultivators as M. P. Wilder, Hovey & Co., Ellwanger & Barry, and others; while less fortunate and careful cultivators talk of them as humbugs, and, with a eunning shake of the head, decline even to discuss what little merit attaches to them.

We turn, then, to the pear on its own stock and bere, too, we find that skill, eare and judgment are required to eusure success. It is by no means necessary to wait from seven to fourteen years, after planting a standard pear tree, till fruit is produced. We bave known trees of the Seekel to bear in four years, from the bud. On the other band, strong growers, like the Vicar of Winkfield, and Duehesse d'Angouleme, may be ten years, if left to chance, before even a few fruit are produced, and yet be in a state of vigorous growth. This is the disadvantage with the standard.

The most useful and convenient form of tree is the low pyramid. Select a young, npright stock, regularly branched on all sides, and trim it up to a height of about three feet from the ing for several years past, not one pear bas ground, shortening in at the same time the shoots, leaving one leading shoot in the eenter, slightly shortened. By attention, at the proper season, when the wood is soft, early in Summer, the tree may he preserved in shape merely hy pinching with the finger and thnmb. Such a tree, if on a well drained loam, or loamy leaving them on the side, in a dry place out clay, will produce fruit sooner than many are disposed to admit. When planting, we may as well plant choice varieties, adapted to the section of country-varieties well known and fully tested (for there are many such to he bad), as spend time, money and labor with sorts which may bave one or more qualities to recommeud them, or which are highly extolled by a neighbor wbo "thinks he knows a good pear," but does not know very much ahout it

We do not think it necessary to say how a tree should be planted. We have been reading in every rural paper, for the last twenty years, bow to plant a tree. In every nurseryman's eatalogue, scattered broadcast by every tree peddler, there are good and sufficient directions to plant a tree. Is there any portiou of the land the tree peddler has not penetrated, where the Farm and Fireside has reached? If so, let the unfortunate or fortunate inhabitant inform us at once of the existence and location of the "deserted village."

Do not plant deeper than the collar of the tree; do not let the hole be so small that any of the fibres will reach the sides of it; spread the fihres, if the tree have any-some trees, when planted, have few or none. Cover the coufidence whatever in the assumed fact. roots first with fine soil, gradually sifted in among them; and finally press the soil firmly, and secure the tree from swaying to and fro. Plant such pears as the Bartlett and Seckel; there can be no question about these; next try the Urhaniste, Benrre d'Anjou, Louise Bonne de Jersey, St. Michel Archange, Duchesse d'Angouleme (which, though generally grown on the quince, will do well on the pear stock). If more Summer varieties are wanted, take the Beurre Giffard, Rosteizer, Brandywine, Ott and Ananas d'Ete.

If very large winter fruit is wanted, try dred choice varieties, while you only want a dozen. As in the case of the dwarf sorts, let us recommend twenty-five unmistakable varieties for the several seasons, as follows:

SUMMER.—Beurre Giffard, Brandywine, Rosteizer, Ott, Bartlett, Julienne.

AUTUMN.-Beuure d'Anjou, Beurre Superfin, Buffum, Doyenne Boussoek, Flemish Beauty, Belle Lucrative, Louise Bonne de Jersey, St. Michel 'Arehange, Seekel, Urbaniste, Benrre Hardy, Beurre Clairgeau.

WINTER.—Sheldon, Beurre Diel, Lawrence, Doyenne d'Aleneon, Glout Moreeau, Easter Beurre, Vicar of Winkfield.

A few words respecting picking and keeping the fruit may not be superfluous. The Summer pears ripen so rapidly and are so soon past maturity that they are frequently found, at the bottom of the tree, quite dry and tasteless. This is especially the case with the early Summer sorts, such as Giffard, Rosteizer and Ott. These should be picked about a week before their season of maturity, or just as soon as the stem will readily part from the twig hy using a little force; experieuce, alone, will teach this point. The Bartlett ripens later, and is so well known that it requires no remark. The Autumn varieties mature at intervals, from the season of the Bartlett till October-the last heing the Duehesse d'Angonleme, which we have not included in the list, as it does so much hetter on the quinee. The Buffum, if not carefully watched and ripened in the house, is very deficient in flavor. Belle Lucrative also requires attention; these should all be pieked from ten days to two weeks before maturity; that is, hefore heing in a fit condition for eating. The Winter varieties, a few of which mature early in December, such as the Sheldon aud Lawrence, require no extra eare; but the late Winter sorts, such as the Vicar and Easter Beurre, frequently fail to mature their juices, and, to a great extent, disap point the hopeful amateur. We have heard it stated that from a crop of a vigorous tree of the Vicar, amounting to several busbels, fruitbeen ripened fit for the table; and this is the common experience with the Easter Beurre and others of its season. They are generally pieked too soon, or shaken from the tree. They should he earefully picked after the first sharp frost; put in harrels and headed up, doors; or in an open shed till severe frost appears; then put them in the cellar and bring them into the house as wanted, ripeniug them in a moderately warm room.

April, 1867.

#### Written for the Farm and Fireside IS IT SO?

"THE PRESERVATION OF FRUIT TREES.—The Farmers' Club of the American Institute, of New York, recently held a meeting, at which a discussion took place on the best method of destroying curculio on fruit trees. One of the memhers stated that if a hole was bored in the body of the tree and filled with sulphur, it would so infect the tree that no insect or worm would live upon it. Upon some doubt being expressed as to its efficacy, he said that he had tried the remedy and spoke from experience. The chairman remarked that, if this be a sure preventive, it was worth millions to the counry, and we need never lack a supply of fruit

The foregoing extract I cut from the editorial columns of the "Public Ledger," of Pbiladelphia. I agree with the remark of the ehairmau, that if this is a sure preventive, it will be "worth millions to the country;" but at the same time I must confess that I have no

In connection with this extract, I here sert a question, and remarks thereon, from page 20, Vol. II. of the "Practical Entomologist," published in Philadelphia. "The following is from the proceeding of the New York Farmers' Club, published in the New York Tribune, Oct., 23, 1866:

"APPLE TREE Borers.-John Thompson, Jr., Rochester, N. Y., proposes to extirpate borers by boring three or four holes with a large gimlet into the sap wood of the tree; then put into each hole a grain of blue mass, fill np with sulphnr, and cork; and finally seal over with wax. The idea is to medicate the

"BLIGHT IN PEAR TREES.—Besides inserting the sulphur, I drove about a dozen cut from the crown or roots; and several inches of hundred miles of Osage Hedge on his new nails into the body of each tree. I Intend to soil to come through is too much for the buds farm in Livingston Co., Ill., one hundred and try calomel upon my peach trees."

—they will sooner die first.

And why not try jalap too? And rbnbarh? And ipeeae? Be careful not to give too large a dose of blue mass or of ealomel, or you may salivate your trees. Clearly, Mr. Thompson, Jr., does not read the Practical Entomologist. In continuation, we may reasonably ask: If it be true that this kind of treatment would medieate the sap so as to make it disagreeable to the iuseet, would it not also medicate the juices of the fruit, so as to make it disagreeahle to mau? And what is the difference whether we have fruit so medicated that it cannot be eaten, or wbether we have none at all, nnless we might want to emhark in a patand the mass did so affect the tissues of the trees as to prevent the borers from destroying them, how could it possibly affect the curculio, whose approaches are from the outside? When the female eurenlio refuses to deposit her eggs in fruit, because of its medicated condition, you may be sure it will not he fit to put into the stomach of a hnmau heing-except perhaps a moiety, as a medicine. The nail remedy is as "old as the hills," and has long since heen exploded. If any one, however, has any confidence in the remedies, let them try them.

Lancaster, Pa., April, 1867.

#### ABOUT PRUNING.

THE best implement to prune with is the tbumb nail and fore fiuger. This implies that all pruning should be done at early stages in the growth of the tree-done constautly on the new, tender growth-and that the tree should be trained gently aud watchfully up from the first bud to its ripe unaturity. The next best implement is the pocket knife; and that means that no branches that are useless, superfluous or ont of place, should he allowed to grow larger than small twigs. The knife woulds the tree, but it is so slight and so nicely done, that it heals quiekly and without much injury to the vitality of the plant. The necessary implements, oftentimes, are the saw, mallet and chisel; they are like the surgeon's knife and saw, tools that must be used to save life and future usefulness, because there is no alternative. He is nnskillful and ignorant who trains a tree from the beginning, and finally must resort to these.

The first object in pruning is to give shape to the tree—to grow and distribute properly the hearing wood. This is the sole object during the first years of the tree's growth. To make this wood healthy and bardy it should be grown slowly; hence the pruning should not he severe, but timely and unoderate. Another object in pruniug, at a later stage in the life of the tree, is to produce fruitfulness. This is hest done by pinching or pruning in the middle or latter part of Summer, which checks the woody growth and turns the power of the tree to the development of huds for

It is a frequent practice with farmers to prune closely early in the spring. With old trees this system tends to produce a thrifty growth of wood, and sometimes is thereby heneficial; young trees treated in this way produce too much wood, and will not bear fruit as readily. The obvious rule, then, is: prune old trees early, to invigorate them and produce new bearing wood; hut prune young and thrifty trees in the growing season, to induce fruitfulness.—Rural New Yorker.

CHICKEN GUANO FOR APPLE TREES.—It is well known that the Yellow Bellefleur is a very sby bearer in many locations. Mr. Cheeseman says that he bas found that a liberal mulch of chicken guano applied about the tree bas caused abundant crops of excellent fruit, while other trees planted the same time, not so treated, bave borne but little, and of inferior quality.

A USEFUL HINT,-The Gardeners' Monthly cautions its readers who are about transplanting raspberries and blackberries, not to plant them too deep, as most of the failures result Beurre Diel, Vicar of Winkfield and Easter sap, so as to make it disagreeable to the infrom this cause. Raspberries and blackberries Beurre; but we might go over a list of a bunsects." He says: "By the use of sulphur I will not root out from the cane, as most things have found a way to check them." will from their stems, the buds have to come from the crown or roots; and several inches of hundred miles of Osage Hedge on his new

# The Field.

#### POTATOES AND PUMPKINS.

To the Editors of the Farm and Fireside:

I noticed in the Farm and Fireside of March 3d, a statement made by a farmer in Rome, N. Y., as to the yield and quantities of several varieties of potatoes raised by bim last year. I think such statements of great value and sball obtain two varieties of said potatoes, the Early Goodrieh and the Prince Albert. I think it pays well to change the seed of potatoes, even if it is not carried more than three or four ent pill speculation? But suppose the sulphur miles. This may seem a simple suggestion to most farmers, but can barm no one, as those who think it of no value will not beed it. We are endowed with organs of speech, and powers of thought aud natural capabilities; and is it probable that a child would never speak a word, or utter a human sound, if it never heard a word spoken. So we must learn one from another what we do know. Now, as farming is at the foundation of all other business, why not learn from each other, and so be able to till the soil to the greatest advautage?

> I raised last year five varieties of potatoes, the Davis Seedlings, White Snow Ball, (Maine variety), Chenango, Chili, and the early Blue. The Snow Ball and Davis Seedlings yielded the best aud rotted the least. The best preventive I ever tried against the rot is dry ashes; a small handful being thrown upon the potatoes, after they are dropped. I have left a row through the field without ashes, and when I dug them, this row would be affected by rot, while the ones which were ashed had scarcely any diseased potatoes among them. I bave often sowed ashes on the vines when wet, about the time the hlast generally strikes them.

I wish to say a word about pumpkins. Last year I raised about five tons of pumpkins, on about one and a half acres of land, planted among corn. While the vines were small I sowed on a small quantity of plaster three times, early in the morning, when the vines were wet. This kept off the bugs, and added much to the growth of the pumpkins. Had I not used any plaster, I think I should not have raised half as many.

E. CHASE.

Blackstone, Mass., April, 1867.

# GRAIN STATISTICS.

IT may be interesting for those who believe that agriculture cannot be as favorably prosecuted in the East as it is in the West, to know that while the yield of wbeat in Massachusetts averages fifteen hushels per acre, that of Ohio aud Iowa is but eight; that while corn averages twenty-uine bushels iu Massachusetts, it only amounts to twenty-eight in Iowa and thirtyfive in Ohio; that oats averages twenty-three hushels in the former State to twenty-five and twenty-seven in the two latter; that rye averages eleven hushels in Massachusetts, ten in Obio, and thirteen in Iowa; and that in potatoes, Massachusetts produces ninety husbels to sixty-eight and sixty-seven in ber rivals.

While the quantity of grain inspected at Chicago last year is reported at 56,851,669 bushels, the exports of the leading breadstuffs from the United States dnring the fiscal year ending June 30, 1866, were as follows: Wheat, 5,570,103 busbels; wheat flonr, 2,183,050 barrels; Indian corn, 13,516,651 bushels; corn meal, 273,275 barrels. An additional illnstration is thus furnished of the insignificance of the foreign market for the products of the Western prairies. The Garden City alone concentrates annually a larger quantity of breadstnffs than all the nations of the world, in ordinary seasons, purchase from us.

W. S. Carpenter, of New York, bas transmitted to the Paris Exposition, one hundred and fifteen different varieties of Indian corn, each of which has a name. The most remarkable ear in this collection contains 1,290 grains, arranged in twenty-two rows, and is known as the Western Gourd seed.

M. L. Sullivant, is preparing to set four



Pennsylvania Products.—The three great staples in the production of which Pennsylvania is pre-eminent, are coal, pig iron and petroleum. The product of coal in Pennsylvania during the year, is estimated in round numbers at sixteen million tons, or one-fourth more than in 1860; and its value at the markets of first delivery was at least \$80,000,000. The product of petroleum during the year, is given at nearly ninety millions of gallons, valued at over \$47,200,000. The product of pig iron during the year is given at six hundred and forty-six thousand tons, valued at over \$31,000,000. The aggregate value of coal, petroleum and pig iron, for the year, was \$158,231,243.





# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, APRIL 13, 1867.

#### SYSTEMATIC FARM ACCOUNTS.

THERE is not sufficient importance attached to the keeping of farm accounts. Many farmers carry on their farming operations, year journal, shows up in a ludicrous light some in and year out, without making any daily or practices that are in vogue, and which have even weekly entries (except of dollars and not even probabilities to recommend them. As cents received or paid out), referring to specific we remarked a week or two ago-facts are 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 volume, the scientific conclusions in which aggregate of yearly expenses, paid out as money or its equivalent, is not known to some; though the income law, which has been in years since, occasioned serious alarm for the operation for the last five or six years, has safety and honor of the Bible and of Christicompelled the majority of farmers to keep and anity. But soon a geologist, then a botanist, prepare some sort of an account to exhibit to and then a physiologist, assailed and utterly the assessor. They were driven to it, either demolished the essential facts upon which the from a conscieutious regard for the correctness of their sworu statement, or from cupidity, displayed in their anxiety to present all the deductions admissible under the law.

Merchants, and other business 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 profitable aud which are unprofitable. 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 the reward of their watchfuluess-of their systematic method of doing business. To such men the epithets of "sharp" and "shrewd" Their shrewdness is a are not derogatory. legitimate and protective result of their attention 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, observatiou, ability 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 profitable things for unprofitable ones. A few minutes spent in an evening in making up estimates, may convince us that many hours of hard labor are being sadly misspent in some young farmer noted for his attention to imparticular direction. "It is not important," remarks a third. Above all others, he needs to he undeceived. The answer to the second from \$61 to \$210, averaging \$116,50 each; objection will apply equally as well to him. the prices of heifers ranged from \$51 to \$202, It is important, in a number of respects, and essential to steady, unfluctuating success,

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 exhibited to us the operations and yield, income and expense, of each separate field; the profits of the or-In this book were also eutered memoranda of the first six weeks of this year, was 18,000, experiments on various manures and their ap- and the deaths 7,176; slaughtered 4,442-makplication; observations upon atmospheric hu- ing a total loss of stock of 11,618. 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 themselves, intellectually and pecuniarily, they would also materially aid agricultural journals in their laudable endeavor to sift facts from suppositions— weather will permit.

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 of incalculable benefit to them, no matter what avocation they may eventually conclude to adopt. The men who succeed are those who are honest, puuctual, systematic; who are watchful and discriminating in the minutest details of husiness.

#### BE SURE OF THE FACTS.

Our contributor "S. S. R.," in his article headed "Is it so?" in this number of our served, the conclusions hased upon them must he wrong.

More than one pretender has published a seemed unanswerable, and yet were but based upon asserted facts. One such book, not many 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 increased in weight if a fish weighing a pound were put iuto it." While other philosophers were propounding their learned theories, another one, more wary than the rest, tried the experiment for himself, and solved the mystery. 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 had grown in the mouth of a child in Silesia. Horstius, Professor of Medicine in the University of Helmstadt, wrote a learned disquisition upon the matter. Two labor of others. 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 inference is, that we must see clearly and carefully in order to philosophize safely and surely. When a singular theory is presented to us, we should examine for ourselves, as far as possible, to ascertain whether the facts upon which it is based are real or pretended.

E. Kreybill, of Lancaster County, Pa., a ported stock, disposed of some of his Durhams nod over your mouldering ashes. at public sale. The prices of cows ranged averaging \$99 each; the hulls brought from \$54 to \$200, averaging \$100 each; the calves brought from \$21 to \$101, averaging \$70 each. One splendid calf, called the Grand Duke, was after having been bid up to \$350!

PROGRESS OF THE RINDERPEST.—The Secretary of State has received a dispatch from the for its health-giving properties-for yourself, United States Legation at the Hague, dated your family and your friends. Go on the princhards; the cost of each stock animal raised; March 26th, in which it is stated that the Riu-ciple of increasing domestic comfort; of perpoultry statistics, etc., etc. Of course, a few deepest bas spread into Belgium and France. petuating good health; of adding something of these estimates, from their difficult sur- The report of its progress in Holland, up to the pleasure and happiness of those who are roundings, were but approximations, but they February 20th, shows a decline, though not to dependent upou you. Generosity to posterity, planted trees should be mulched. were near enough for all practical purposes. much extent. The number of cases during to those who may toil ou the same farm, who

> Now is the time to exterminate the caterpillars. 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 be

> Plant corn for table use as soon as the

#### PLANT TREES.

The genial season has come—the season of hursting huds, emerald grasses and singing hirds. It is the seasou, also, of unusual activity and lahor on the farm, in the garden and the nursery.\* There is no lack of employment for those who "earn their hread by the sweat of the brow." We have ploughing, sowing, manuring, planting and pruning to attend to; also the transplanting of fruit and ornamental trees. The farmer or gardener who overlooks this latter duty, neglects one of the most importaut duties of his profession. The diversity of soil and climate in this country, gives us remarkable facilities for the cultivation of or even a house-lot, should omit setting out fruit trees. They cost but little, require small operations and their results. They cauuot tell fundamental things, and if not correctly ob- attention, yet return us delicious and healthgiving food, and add cousiderably to the value and attractiveness of our homes,

Many persons, intelligent oues, too, live on ity. farms or country-seats all their lives, but never set out a tree. They neglect this duty because they think "it takes too long for trees to grow and bear fruit." Prodigious philosophers! Suppose those who "came hefore us"-our ancestors-entertained the same selfish notions: where would he the luxuriant fruit that now tickles our palate? Where? Not certainly in the blooming orchards, nor in every village or city market. Instead of the abundance of apples, peaches and pears; the profusion of plums, cherries and other delicacies in the way of small fruits, we should "go hungry " for those luxuries; and the noble orchards which beautify our farms and diversify the little garden of the poor man would he a comparative desert, a wild, a solitude to himself and family. This error, mistake, or stupidity in not planting trees because they are slow in coming to maturity, or frail-hearing, is not valid; it is the excuse of the idle man, the apology of the sluggard, and the suhterfuge, evasion and shift of those who live upon the

We canuot jump from diaper to broadcloth; we cannot make prize-heef out of juveuile calves; we cannot slide from depravity to righteousness, nor can we raise or propagate tree fruits in a day or a year. But, by proper planting, skillful culture on favorable soils, we can obtain fruit in a comparatively brief time. If we do not live to enjoy the returns for our labor, somebody else will—perhaps your children or graud-children, or maybe a foot-sor e and travel-weary heggar may rest heueath the broad, bending branches of your orchard; he may satisfy the guawings of hunger ou your fruit, and thank the Great Father of all, that Sale of Blooded Stock.—Last week Jacob you planted, watered, pruned and protected the trees that continued to bloom, blossom and bear good fruit while the grass and the daisy

The profits of orchard, or tree culture, are increasing every year. With good manage ment the fruits of the orchard will often bring more than the productions of the field. Few orchards, if on good soil and properly cared for, will fail to net one hundred dollars per acre-often twice or thrice that amount. The withdrawu from the sale hy the proprietor, demand for fine fruit is increasing aunually, and there is no danger of over-stocking the market. But if there was little marketable value in orchard fruit, it should be cultivated may sow the same fields, who may gather the harvests after you have gone, and who are at soil you have all cultivated, should not be forgotten. We all belong to one great family or brotherbood, of whom God is the Great Father. tain the number of vines needed.

Spring is a favorable time to transplant fruit trees in the New England and Middle States. In the South, below thirty six degrees, the Autumn is probably the best period to set out old wood and young, slender, weakly shoots fruit trees. Not so in the North; now is the cut out. Leave four to six good strong canes best time, in our opinion. In selecting trees, to each hill, but head off their tops about oneavoid purchasing from nurseries of very rich fourth of their height.

land, for there the young trees have been advanced too rapidly. They have been pushed ahead "for a market;" are perhaps healthy, but are tender and sappy, and will not thrive afterwards ou ordinary soils. Again, look for vigorous trees, with good roots, strong and fibrous; with the wood well hardened, and the bark smooth, clean and healthy-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. Of situations, parties must judge for themselves. Low land is subject to frosts; as a general advice, put your trees on middling high land, though not at the extreme summit. If adjacent to a pond or large river, all the better. All fruit; and no man who owns a farm, garden, hodics of water mitigate the severity of Wiuter, and cool the extreme heat of Summer. In regard to scientific transplanting, and the after culture, they require more space than we can spare. Veteran tree planters require no advice, and amateurs should consult book author-Remember, however, to Plant trees THIS SPRING.

DEPARTMENT OF AGRICULTURE.—Reports from Washington state that the Hon. Isaao Newton will be removed from the head of this Department. Petitions are said to have been forwarded to the Capitol from numerous Agricultural Societies, asking for a change, and suggesting various gentlemen for the position. Among those mentioned are ex-Governor Holbrook of Vermont; J. A. Grinnell of Massachusetts, and Orange Judd of New York. Of course, the applicants are as thick as hlackbirds in a cornfield; but which one of the above named applicants would make a more landscape would become euriosities, and the efficient Commissioner than Mr. Newton? We are fearful that "the loaves and fishes" are what some of the applicants are after,

> SALE OF STOOK.—The Burlington County (New Jersey) Agricultural Society will hold its first annual sale of farm stock, at the Fair Grounds, Mount Holly, on the eighth of May. Horses, cattle, sheep and other stock will he sold at auction, under the superintendence of the Society, at an expeuse to the owners of five per cent. Hay, grain and straw will be furnished at cost.

> We are favorably impressed with this kind of sale for farm stock. If persous having stock for sale will offer them at these annual gatherings, and the Society manage the business with strict honor and fidelity, we do not see why it cannot be made a success-advantageous alike to the owners of stock and to the Society.

> BATHS FOR HORSES. - A veterinarian announces, in the New York journals, that he has cstablished an infirmary "where Turkish baths are administered to horses." This is not a new thing, entirely, for Roman history speaks of bathing establishments for horses. A hot air bath, for some animal diseases, may be beneficial; and the horse deserves the most skillful treatment and the most generous attention in sickness. By and by, some Gothamite will probably open a smoking bazaar for the equiue population; then dray and omnibus mags will have a '' good time."

> EARLY TRANSPLANTING.—The earlier in the season all kinds of trees and shrubs, except evergreens, are transplanted, the more sure are they to grow aud do well, because of the necessity of the hroken roots being healed and new ones formed, before warm suns and howers hurst the huds and cause the leaves to draw nourishment from them. All newly

A GOOD EXAMPLE, - William Clark, of Northampton, Mass., has offered to give each last laid beside you under the same identical family in town, who did not possess one, a Concord grape vine, and a committee of the horticultural cluh has been appointed to ascer-

> RASPBERRIES that were left unpruned last fall should be at ouce attended to, and all the



Our Tobacco-Smokers. -The descendants of the Anglo-Saxons are well-known to be the most inveterate smokers of the human family. While six Aborigines content themselves with sharing the whiff of one pipe, six pipes will scarcely keep one Yankee in steaming operation. At a late analyzation of tobacco at the Academy of Science in Paris, it was announced that American tobacco contained eight per eent. of nicotine, a deadly poison; Havana tobacco contained three per cent.; and Chirgarora tobacco, grown in the Indies no nicotine whatever. The natives of the Indies are constant smokers of the Chingarora, and neverther the state of the state of the state of the chingarora, and never the state of the state of the state of the state of the chingarora. er suffer the ills which follow the use of tobacco of other climes.





# The Fireside Muse.

### THE PLANTING OF THE APPLE-TREE.

BY W. C. BRYANT.

Come, let us plant the apple-tree! Cleave the tough greensward with the spade; Wide let its hollow hed he made, There gently lay the roots, and there Sift the dark mould with kindly care, And press it o'er them tenderly; As round the sleeping Infant's feet, We softly fold the cradle-sheet, So plant we the apple-tree.

What plant we in the apple-tree? Buds, which the breath of summer days Shall lengthen into leafy sprays; Boughs, where the thrush with crimson breast Shall haunt, and sing, and hide her nest.

A shadow for the noontide hour, A shelter from the summer shower When we plant the apple-tree

What plant we in the apple-tree? Sweets for a hundred flowery springs, To load the May-wind's restless wings When, from the orchard-row, he pours Its fragrance through our open doors;

A world of hlossoms for the hee-Flowers for the sick girl's silent room; For the glad infant sprigs of hloom, We plant with the apple-tree.

What plant we with the apple-tree? Fruits that shall swell in sunny June, And redden in the August noon, And drop, as gentle airs come hy That fan the hlue Septemher sky;
While children, wild with noisy glee,

Shall scent their fragrance as they pass. And search for them in the tufted grass At the foot of the apple-tree.

And when above this apple-tree The winter stars are quivering bright And winds go howling through the night Girls, whose young eyes o'erflow with mirth Shall peel its fruit hy cottage hearth: And guests in prouder homes shall see Heaped with the orange and the grape, As fair as they in tint and shape, The fruit of the apple-tree

Each year shall give this apple-tree A broader flush of roseate bloom-A deeper maze of verdurous gloom; And loosen, when the frost-clouds lower, The crisp brown leaves in thicker shower.

The years shall come and pass; but we

Shall hear no longer, where we lie, The Summer's songs, the Autumn's sigh, In the houghs of the apple-tree

And time shall waste this apple-tree. Oh, when its aged branches throw Thin shadows on the sward helow, Shall fraud, and force, and iron will Oppress the weak and helpless still?

What shall the tasks of mercy be Amid the toils, the strifes, the tears Of those who live when length of years Is wasting this apple-tree?

"Who planted this old apple-tree?"
The children of that distant day, Thus to some aged man shall say And, gazing on its mossy stem, The gray-haired man shall answer them;
"A poet of the land was he— Born in the rude, hut good old times: Tis said he made some quaint old rhymes On planting of the apple-tree."

# Fireside Tale.

[The subjoined is one of those pretty German legendary stories, which, while intended for the young, convey earnest lessous to older pcople.]

THE WOODEN CUP.

### CHAPTER 1.

Ir was almost midnight; the full moon looked down on the German hills, covered with vine-yards, on the hroad fields of corn, on the little village just at the outskirts of the Black Forest, and the old well—the haunted well, just within its shadows.

The old well had long heen the village well; and it will surely be his model." but it had long heen dry, and had hecome, so In another place a few were fixing wings on not found time to entertain in his days of to and from their ahode.

other gnomes and fairies, so ahundant in Ger- bring him safe ashore.' mauy, and were known hy the name of Spirits of the Well. They were kind and ohliging. cupations there. The three children were he-If a poor man lost his money, he need hut go wildered, but not frightened; for as they all poured, like a fairy gift, into the humble near the well, and he would find lying there, passed along, each gnome turned and smiled cottage of the poor old cohler. perhaps not exactly what he lost, hut some- kindly on them and hade them welcome. creature, hardly distinguishable in the dark- yours."

ness, hut which, if followed, would guide him aright.

It was almost midnight, as I said, when Crispus, and his brother, and his sister Nellie three golden-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 packed away his hoots and shoes and awls, and gone to his hed, believing the children are wiser than I; give me whatever is best safe asleep in theirs. They reached the well, and looked down.

"We must wait till the moon rises higher and shiues down there," said Crispus; "theu pus a little wooden cup. we will see the guomes, and hear them sing perhaps.'

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 children gazed, they were startled by a laugh hehind them. They looked round; there stood an odd-looking little brown man, no more than a foot high.

"You are bold children," 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 have seen you carry water to the poor, thirsty cow. Such tenderness meu sometimes laugh at; but the day will come when these hard-hearted men, who seruple not to inflict pain even on the poor dumh brutes, will cease their laughing and laugh no more forever!

His eyes kiudled 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 gnomes will do our hest to entertain you; aud, moreover, make you a present of whatever vou choose.'

"O, yes," cried Crispus, eagerly, for the benevolent face of the gnome, added to his own curiosity, hanished fear. "Yes, let us go."

His brother and sister hesitated a moment, hut assured hy his fearlessness, they nodded their heads in assent.

"But the hucket will not hold us all," said Crispus, "and the chain is old and rusty—it might hreak."

"Never fear!" answered the gnome, and he laughed heartily. "Only get in; you down they went.

It was quite dark when they stopped, with a them all out; but in another instant they were dazzled with a hurst of light like noondaythe little brown man had opened a door in the side of the well, and led his companions into a magnificent hall. The ceilings arched upstoues, and it was filled with thousands of little men and women, all husily at work.

Iu 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, "wheu she goes to see her lover in his dreams."

In another place they were making a coach, aud harnessing snow white horses to it.

"The king wants a new coach," said they. "We are going to take this one and show it hut as he lay now under his silken coverings, to his coachmaker, when he is asleep to-night, attended only hy strangers and memials, some had to give—the drop of contentment in the

said the villagers, the pathway through which their shoulders. "There is a poor hoy in health. the gnomes who dwelt helow the earth, went danger of shipwreck to-night," said one of them; "his mother sits crying; we must fly This particular race who frequeuted the over the seas, and when the ship goes down, well, came at last to be distinguished from the we will seize him by his hrown curls, and have all my money."

So there was no end to the variety of oc-

great castle, with woods and parks; I would only my wooden cup. like that or one like it."

"You shall have it," replied the guome.

The sister spoke next: "I would like that diamond neeklace, and that coach and horses. "You shall have them," answered the

Lastly Crispus spoke: "Good gnome! you for me, whatever will make me happiest."

"You are a sensible hoy," quoth the gnome; and with great ceremouy he presented to Cris-

"What!" exclaimed the boy, "is this all? Au empty wooden eup?"

"Not empty," said a voice, "look within." And behold! Crispus saw a drop like water at 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 hack, and seampered aeross the 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 things 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 better than other eups.'

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," cxwill 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 mysterious cup. They might hold it upside down as they pleased, the drop elung to the hottom; they might try to touch it, it disappeared without wetting their fingers. Only Crispus could enjoy it; and the moment he sipped it out, another oue filled its place, as hright as ever.

They made several more expeditions to the well, but they saw only the moonlight streamwould he safe with me were you held up hy ing down into the darkness, and heard only nothing but a spider's thread." So they the night hreeze stirring the long grass. So at climbed iuto the tall, iron-bound hucket, and last they gave up going there, and in time ceased talking of the occurrence, and seemed all to have forgotten it except Crispus, whose jog, at the bottom, and the gnome helped wooden cup was his remembrance; aud ofttimes, when worldly matters were wrong with him; when his old father was peevish, and his customers' feet were hard to fit, (for he had taken up his father's trade), when had debts made their fare and fire scanty, after ward higher than the tallest forest trees, the stitching shoes all day, he had to stitch up the walls seemed made of gold and precious holes in his shahhy garments 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.

# CHAPTER II.

In a far off country, over the ocean, events were transpiring which were soon to change the fortunes of the cohhler's house. Iu amagnificent chamber in a great marble palace, an old man lay dying. One thought only had engrossed his whole life—to hoard up riches; images came flitting across his memory he had bottom of my little wooden cup.

"My poor old brother," said he, "I doubt if he he living yet. But he had two hoys, and the youngest is my namesake. Yes, he shall

And thus the matter was settled; and all his possessions-his ships and merchandise, his houses and lands, his gold and jewels-were

"This must be what the gnomes promised thing that would in someway compensate him After a while, he who had brought them you," whispered Crispus to his brother, when for it; and if any one missed his way in the there said: "It is time for you to go home; the news came. "Now you will take our sisforest hy night, he had only to look straight but first I will redeem my promise; choose ter to your grand castle, and then she will have down hefore his feet, to sec a little hopping caeh of you what you will, and it shall he the diamond necklace and ride in the grand coach which they promised to her; while I diverts the strength of the wind.

Crispus's hrother spoke first; "I see yonder a must stay and take care of my old father, with

With that he sighed, and took up his cup; the drop was very large and hright at the bottom, and he drank it off.

"Never mind," said he; "it is not eastles and diamonds that make people happy. Who knows hut I may be the merriest of the three, after all?"

So the hrother and sister departed to their graud home, and to riches without stint or measure. They found some things, too, which they had not hargained for-lawsuits and losses, vexations and mortifications from abroad. and strife and contentions at home, for poor little Nellie had found a husband who liked hetter to spend her money than to love her.

"What eare I for all this splendor," said she, as she walked over velvet earpets. "I am not half as happy as when I played with the flowers in our homely garden, or sat on my father's work bench while he made the shoes!"

Ah, poor Nellie, you found pleasant things, too, sometimes; and might have enjoyed them, had you not always heen pining after something pleasanter still!

"Let us go and see Crispus," said the grand brother one day to her; for he was a gentleman now, aud Crispus would scareely have known him. "Let us see how he and his wife live."

So, after a journey of many days, in great style, with coaches, and footmen and outriders, they arrived at the cohhler's cottage.

Their old father had long heen sleeping in the church yard, and Crispus had taken his place, to mend, as he had done, all the shoes in the village.

He had a wife now, and some rosy children, but he had never been able to grow rich; and. claimed he; "there is some magic in it—time though he seldom was troubled about the matter, yet when the grand company arrived that day, he looked at his pine table and harc floors, and wooden chairs and henches, and the hrown crockery on the shelves, and their hard beds, and said, "What a fool I was not to take something better from the gnomes." Then he looked at his wife and children; such red, rough hands she had, and such scanty skirts, and that tight little cap on her head, and the blue woolen jacket she worc. "What a fright she must seem to my sister," thought he.

He had but one resource, and he turned to it; it was his wooden cup. He drank off the bright drop, and looked ahout him.

"Welcome to you," said he to his hrother and sister, "Come in; we are poor, but come in! You shall have the best we have got; and we are merry and happy, if we are poor."

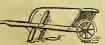
Just then his wife came along, with her bright, smiling face, and the little ehildren rang out a merry laugh, which made one laugh to hear it; aud Crispus thought he had never seen them look so heautiful. The wooden chairs were soon drawn to the table, and they sat down to a nice supper, prepared hy Crispus's wife. What if her hands were red and rough? Hands which make a humble home happy are heautiful, even in the sight of augels.

Thus they spent the time in pleasant talk; and when they were ahout to depart, the hrother said to Crispus, "I caunot offer you auything, for you seem to have all you want."

"Not exactly," said Crispus, "No one has all he wants. But I have what will make up for many deficiencies, and what I would not give away-no, not for all your possessions. I have what the good gnome gave me-the hest he

Pure Air. - A little sink near a kitchen doorstep, inadvertantly formed, has been known, although not exeeeding in its dimensions a siugle square foot, to spread sickness through a whole household. Hence, everything of the kind should be studiously ohviated, so that there be no spot about a farm-house which can receive and hold standing water, whether it he the pure rain from the sky, the contents of a wash-hasin, the slop-bowl, or the water-pail.

The effect of wind blowing against a square chimney, it is reported, is twice as great as when it blows against a circular chimney of the same dimensions. The form of the latter



Personal Influence.—Blessed influence of one true loving human soul on another! Not calculable by algebra, not deducible hy logic, but mysterious, effectual, mighty as the hidden process hy which the tiny seed is quickened, and hursts forth into tall stem and broad leaf, and glowing tasseled flowers. Ideas are are often poor ghosts; our eyes cannot discern them; they pass athwart us in thin vapor, and cannot make themselves felt. But sometimes they are made flesh; they touch us with soft hands; they look at us with sad eyes, and speak to us in appealing tones; they are clothed in a living soul, with its conflicts, faith, and love. Their presence is power, they shake us like a passion, we are drawn after them with compulsion.





# Seasonable Poetry.

#### APRIL.

I hear through all the solemn pines The south wind's pleasant flow And see the clouds, like happy things, O'er fields of aznre go,
While all the sorrow from the earth
Seems melting with the snow.

The robin and the blue-bird sing O'er meadows brown and hare They can not know what wondrous bloom ls softly hudding there; But all the joy their hearis outpour Seems pulsing in the air.

And we will sing, though all our days Seem dark with pain and loss; We know that Sorrow's furnace hent Consumes alone our dross; We know that one dear Father's love Gives both our crown and cross.

Oh, while beneath the snow-drllt hads The flower we love the hest. And on the wind-tossed hough the hird Still hullds its happy nest, Praise God for all the good we know, And trust Hlm for the rest!

# Fireside Miscellany.

#### AGRICULTURAL NEWS ITEMS.

THE Little Falls, N. Y., dairymen, find that calves fed on scalded whey, are more thrifty 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 freely, 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 not pay to raisc roots on a large scale for cattle feeding, at present prices of labor.

Dr. Smith said at a late meeting of the New York Farmers' Club, that on the hanks of the Nile there are multitudes of towers some ten feet high, ou which are placed doves' houses, solely for the manure, which is gathered and used for melon growing-the finest in the world being raised by this means.

At a recent meeting of the State Convention 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 received the endorsement of careful observers.

It is reported by California papers that Josiah Sturgis, a farmer of Costa Rica Co., in that State, will this year plant one hundred acres of land, in the Diabolo Valley, with lo-

It is said that in New Jersey there are about one thousand eight hundred aeres of land devoted 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

The well-known farm of Daniel Webster, at Franklin, N. H., is offered for salc. The place contains about 350 acres of land, and the furniture used by 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 21 to 5 ecuts per

Mr. H. H. Potter, of Sauk county, Wis-Farmer, stating that he raised on four acres of ing houses. Messrs. Peterson have a priority (in connection land, \$4,600 worth of hops, estimating the with Harper & Brothers) in publishing the author's American edition; but Ticknor & Fleids, and also Hurd & Houghton, are hops at fifty cents a pound; raised upon a printing and publishing the same works in monthly volumes—timothy sod.

The tobaceo now on hand in the counties of all his works. Halifax, Pittsylvania, Franklin and Henry, 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 \$1,25. based on careful researches.

A large number of cattle have died in various parts of Kansas recently, in consequence of the severe weather, and lack of feed; the weather is reported, however to have moderated greatly in that section, within the last

Edwin Hammond, of Middlebury, Vt., recently sold six ewes to go to the West, for \$6,000 apiece.

At the annual meeting of the Wiseonsin Horticultural Society, the following list of five varieties of apples was adopted: Red Astrachan, Duchesse of Oldenburgh, Fameuse, Tallman Sweeting, Golden Russet. For a second five: Fall Stripe, St. Lawrence, Perry Russet, Red Romantic, and Willow-twig.

SAMUEL THORNE of Thornedale, Dutchess county, N. Y., has just sold to James C. Sheldon of Geneva, a uoted cattle-breeder, forty head of choice Short-Horns, his entire stock, with the exception of two hulls. The price paid was about \$1000 each, and it now makes Mr. Sheldon the largest owner of fine Short Horn stock in the county.

The two-year-old South Down wether, that took the first prize at the last New York State Fair, was recently killed, and weighed, when dressed, 125 pounds.

STANDARD of Charity.—Men measure their charities by a peculiar standard. A man who has but a dollar in his pocket would give a penny for almost any purpose. If he had a hundred dollars, he might give one; earry it higher, and there comes a falling off. One hundred would be considered too large a sum for him who has ten thousand, while a present of one thousand would be deemed miraculous from a man worth one hundred thousand—yet the proportion is the same throughout, and the proportion is the same throughout, and the poor man's penny, the widow's mite, is more than the rich man's high-sounding and widely-trumpeted benefaction.

At a religious meeting among the blacks, a eolored preacher requested that some brother should pray. Thereupon, half-witted Mose eommenced a string of words entirely without meaning. At this the pastor raised his head and inquired, "Who dat praying? Dat you, brudder Mose? You let somehody pray dat's hetter acquainted wid de Lord."

Dr. Boynton mentions five square feet as the smallest possible allowance of space for each sheep in its winter quarters.

There is a prospect that the cotton crop of the present year will be much larger than that of 1866, and not much below the average crop raised previous to the war.

BAKED PLUM PUDDING .- One quart milk, six soft erackers, four eggs, half pound of raisins, salt and spice. Bake from three to four hours. Make a good sauce for this pudding.

#### THE FARM AND FIRESIDE AND THE PATRIOT FOR \$4.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we will end the FARM AND FIRESIDE and the WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is \$2.50. THE PATRIOT is an old established family newspaper, with the largest circulation of any country journal in New S. S. FOSS, PUBLISHER, Woonsocket, R. I.

# Our Book Table,

A TALE OF TWO CITIES, by CHARLES DICKENS. Philadelphia: T. B. Peterson & Brothers.

If there was wanting evidence to prove the Increasing popuonsin, contributes an article to the Prairie additions now going through the press by four separate publishpald Mr. Dickens for manuscripts and advance proof sheets of

The April instalment is "A Tale of Two Cities," the time of the first French Revolution, and a wonderful tale it is; written In Dickens's graphic style; illustrated with sixty-four illustra-tions by Mc Lenan, and bound in green morocco cloth. The paper in this volume is superior-an improvement on the Issues "Our Mutual Friend," and "David Copperfield." Price

SCHOOLDAY DIALOGUES. Compiled by Alexander Clark, A. M. Phlladelphla: J. W. Daughaday & Co

A three hours' ride hy rallway was measurably shoriened hy the perusal of this volume. It is admirably adapted for schools the selections are judicious, ranging from the humorons to the nathetic; and the general arrangement good. Teachers and patients, and the general arrangement good. Featurers and educators will find this a work of much value. The compiler is the editor of the "Schoolday Visitor"—the very hest monthly for the little folks, published.

# The Markets.

# WOONSOCKET RETAIL MARKET.

[For the week ending April 12, 1867.] FARM PRODUCTS, PUEL, &c

Hay 7 ton\$38	Wood 73 cord\$6a9 50				
Straw 39 ton\$20	Beans @ quart13c				
Coni 78 ton\$10 50a12 50	Potatocs90c				
Oats & hush85a90e					
GROGER	IEB, &c.				
Flour\$11a17 00	1 Raislns				
Corn Meal	Molasses 3 gal75n85c				
Rye\$1 50					
Saleratus10alãe					
Kerosene Oil					
Cheese ₩ 1b24c	Finid # gal\$1 00				
Butter 19 1540, 42n45c	Candles & lh 25a50c				
Codlish8e	Eggs lh doz30c				
Java Coffee 79 th25n50c	Lard 3 lh16acl				
Mackerel, new10n12e	Sugar 3 1b14a186				
MEATS, &c.					
Beef Steak25a30c	Hams16al86				
Beef, corned12a16e	Ponltry20a28c				
Tongues, clear25c	Shoulders				
Mutton12s16e	Sausages186				
Veal16a20c					
Pork, fresh16a20c	Pork, salt186				
_					

#### BRIGHTON CATTLE MARKET.

April 10, 1867.

At market for the current week: Cattle, 1113; Sheep and Lamhs 4017. Swine, 1200.

PRIOES. Beef Cattle—Extra, \$13.75@\$14.50; first quality, \$13.90@\$13.50; second quality, \$11.75@\$12.50; third quality, \$10.50@\$11.50 \$100 fbs (the total weight of hides, tallow and dressed heef).

ressed heef.) Country Hides,8% @9c 岩 lb. Country Tallow 6%@7e 岩 lb. Brighton Hides,9%@10c. 岩 lb; Brighton Tallow,7%@8c

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

WHOLESALE MARKET.

There has been a great deal of excitement in the wholesale breadstuffs' market during the past week, and prices of flour have advanced from fifty cents to a dollar a harrel. Prices are tending upward at the close.

The wheat market bas also been excited, and prices have advanced from fifteen for Winter wheat. The demand has been largely speculative. The stock is materially reduced. Oats have been more active, and advanced from three to four cents a busbel, closing strong at seventy cents for good Western, and seventy-five cents for State. Corn has also been excited, and the transactions have been large both for export and investment. By has been in good request, and has advanced from eighteen to twenty cents a busbel, closing strong at \$1,50 for Western in store. Pork has been freely offered, and declined ahout a dollar a barrel. The stock proved to be larger than was auticipated, Cotton has declined, and closes steady at 28 cents for middling uplands, and 28 cents for New Orleans. Whiskey is more active and improved, Western sciling freely at \$2,30½ to \$2,31.

# Marriages.

In Worcester, April 7th, Lester S. Wilson to Nellie E. Weth-rell, hoth of Woonsocket. ereil, noth of Woonsocket. In Pawtucket, 4th instant, Mr. Walter S. Gardner to Miss Mary E. Robinson. Mr. James F. Coleman to Miss Eliza C.

Potter.

In East Providence, 1st Instant, Mr. Danlel Wilmarth to Miss Susan Ida Mann, both of Attleboro.

In Grafton, April 4th, Henry A. Fairhanks to Anna M. Kinders, hoth of Westhorough. March 28th, Cyrus B. Allen of Millhury to Mrs. Mary A Bigelow of Grafton. April 2d, Henry E. Brooks to Miss Iren J. Humes, both of G. In Attleborough, 5th ultimo, by Henry K. W. Allen, Esq., Alfred I. Keats of Wreutham, to Katharine Kruk of Attleborough.

# Deaths.

In Providence, March 28th, Col. Joseph Wheelock, formerly proprietor of the "Union House," Blackstone, aged 62 years, In Worcester, 8th instant, Mrs. Eliza D. Aldrich, wifa of Ezeklel Aldrich Esq., formerly of Woonsocket, aged 64 years and 20 days. nd 29 days.
In Sutton, April 3d, Wm. Henry, son of William and Mary ling, aged 27 years.
In Bristol, 3d instant, Nathan Bardin, Esq., aged 89 years, In Ilampton, Ct., 20th ultimo, Col. Samuel S. Mosely, aged 80

ears. In Smithfield, 2d inst., Aurelia, widow of Welcome Sayles, in he 85th year of her age; 6th inst., James, son of the late Jona-nan Arnold, aged 43 years. In Foster, 23th ult., Alexander Peck, aged 83 years; Solomon

ennett, aged 73. In Valley Falis, 7th Inst., Miss Evelina Cook, in the 77th year her age.

of her age.

In Pawtucket, 30th ult., Mr. Thomas B. Pratt, in the 26th year of his age; 28th ult., Mr. Jonathan S. Sidehottom, in the 5th year of his age;

In Upton, 24th ult., Herpzihah W. McFarland, aged 85 years. In Upton, 24th ult., Herpzihah W. McFarland, aged 85 years, In Milford, 29th ult., Jeremiah Speedy, aged 27 years; Mrs. Margaret S. Harrington, aged 29 years and 12 days.

In Hopedale, 4th inst., Walter B., son of Thomas Dixon, aged 2 years and 3 months; Mary J. Southwick, aged 33 years and 9 months.

# Mew Advertisements.

# Rhode Island.

NEW

SEEDLING POTATOE

COOKE'S RATIDERS,

a new and very superior Seedling, grown by Joseph J. Cooke,
Esq., of Cranston, and now offered for sale as the hest LATT
KIND in the market. It is a rusty conted, light red, round
great yielder; white and perfect inside, and a splendid Table
Potatoc. Price, \$3.00 per hushel. Sold only by

W. E. BARRETT & CO.,

Providence, I. 1.

1447

April 10, 1607.

ADJES, ATTENTIONI—A SILK DEESS PATTERN, or Linear Sewing Machine, sent free, for one or two days' service in any town or village. Also, a gift sent free, by addressin with stamp, W. FISK & CO., 17 State Street, BOSTON, Mass.

April 13, 1867.

# New York.

# Great American Tea Company.

# THE IMMENSE PROFITS

#### TRADE. TEA

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been

made in the Tea trade, we will start with the American houses, leaving out of the account entirely the profits of the Chinese

lat. The American House in China or Japan makes large profits on their sales or shipments—and some of the richest rettred merchants in this country have made their immense fortunes through their houses in China.

2d. The Bunker makes large profits upon the foreign exchange used in the purchase of Teas.

2d. The Importer makes a profit of 30 to 50 per cent in many cases.

20. The importer makes a power assets, 4th. On its nrival it is sold by the cargo, and the Purchaser sells to the Speculator in involces of 1,000 to 2,000 rackages, at in average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer in these at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of short 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

rolit of 15 to 25 per cent. 8th. The Retailer sells it to the Consumer for all the profit he

When you have added to these FIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small dealers.

We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small profit to ourselves-which, on our birge sales, will amply pay us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they hought them at our Warehouses in this city.

Some parties inquire of us how they shall proceed to get up a club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need he no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves. The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount ordered exceeds thirty dollars, we will if desired sand the scent section.

ed execeds thirty dollars, we will, if desired, send the goods by Express, to "collect ou delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as liberal as we can afford. We send no complimentary pack-age for Clubs less than \$30. Parties getting their Teas from us may confidently rely upon

The company have selected to meet the wants of Clubs.

The Company have selected to following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

### PRICE LIST :

PRICE LIST:

YOUNG HYSON (Green), &Cc., 90c., \$1, \$1 10, hest \$1 25 ?? (b. GREEN TEAS, 80c., 90c., \$1, \$1 10, hest \$1 25 ?? (b. MIXED, 70c., 80c., 90c., hest \$1 ?? (b. MIXED, 70c., 80c., 90c., hest \$1 ?? (b. OLONG (Black), 70c., 80c., 90c., hest \$1 ?? (b. MPERIAL (Green), hest \$1 25 ?? (b. MPERIAL (Green), hest \$1 25 ?? (b. MPERIAL (Green), hest \$1 25 ?? (b. MPERIAL (Green), \$1 25 ?? (b. MPERIAL (Green), \$1 25, hest, \$1 50.

These Teas are ebosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drinking them.

mind nearth, econolay, and a high degree of pressure in other ing them.

Our Blacks and Green Mixed Teas will give universal satis-faction, and suit all tastes, being composed of the hest Foo-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, nithough it is the finest imported. Customers cau save from 50c. to \$1 per lb hy purchasing their

THE GREAT AMERICAN TEA CO.,

# NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City.

COFFEES ROASTED AND GROUND DAILY.

GROUND COFFER, 20c., 25c., 30c., 35c., hest 40c. per pound. Hotels, Saloons, Boarding-house keepers, and families who use large quantities of Coffee, can economize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 20c. per pound, and warraut to give perfect satisfaction.

### Club Orders.

TERMS OF ADVERTISING.

A limited number of advertisements will be published in the FARMAND FIRESIDE. Price, fifteen cents a line each inserdion. Advertisements are set up in a uniform style.

To the Great American Ten Company, Nos. 10. 1868.

Gents: I forward you my fourth order and could have doubled it if I forward you my fourth or

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	2	1b		25	2.5
. :	2	Iti	Young HysonGeorge Murphyat	25	2 5
"	1	th	Young HysonE. Dyeat	25	1 2
	2	th	Young HysonSamuel Deckerat	25	25
	ī	th	Young HysonSamuel Amonat		1 2
	î	16	Young Hyson Harm Til and	25	1 2
	77	110	Young Hysonllenry Wheatley at	25	0.5
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	8	16	Young HysonMiss Stuartat 1	25	10 0
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	9	16	Young HysonEdward Murphyat I	25	25
	6	10	Young Hyson Mrs Murphy at 1		
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a	5	Ib	Ground Coffee Separate package at	25	1 7
. :					

We call special notice to the fact ls at Nos. 31 and 33 Vesey-st., corner DOUBLE STORE.



A-KING ARRESTED.—King Henry VIII. used to walk his rounds by night in and about the city of London. One night on going his rounds with his large walking-staff, to see that the constables did their duty, he was stopped by one of them near London-bridge, who demanded what he did with such a weapon at that time of the night, upon which the King struck him; but the constable, calling the watchman to his assistance, his Majesty was apprehended, and carried to the Poultry Compter. He lay confined till morning, without either fire or eandle; but when his rank was made known to the constable, he came trembling with fear, expecting nothing less than to be hanged, but the King applauded him for doing his duty, and made him a handsome present.





# The Apiary.

#### HOW DO BEES TRACK HONEY?

In the second edition of "The Bee Flora of Germany and Switzerland," its author, Dr. Alefield, undertakes to show, by very plansible reasoning, that bees, when in quest of honey or pasturage, are gnided, not by the sense of smell, but by that of sight.

Little as might be objected to this theory so long as it regards only individual bees in search of honey, there still remains the query, how do other bees become apprised of the discovery, and by what means are they guided to the spot where the blossoming field, or the accssible honey-pot is found? In my view, Dr. Alefield should have answered this query; and as he has not done so, I submit the following

Every observant bee-keeper is aware that the returning honey-laden bee is bee-sniffed as she drops on the alighting-board, or passes through the crowd at the entrance of her hive, and is at times even very officiously overhauled and pertinacionsly detained by the vigilant guards there stationed. Whether or not she gives up to them any portion of her gleanings, matters not. She is examined and diligently watched, and when she re-issnes, after storing away her contributions to the common fund, the guards, now on the "qui vive," eagerly brush the dnst from their eyes with their front feet, and keenly scrutinize the direction of her flight. Before losing sight of her, one of the guards follows in hot haste; a second pursnes in the same airy path, and is rapidly succeeded by a third and fourth; and thus, in due order and snecession, they arrive at the place where the first prospecting explorer accidentally discovered the coveted nectar or exposed honey-

This view is sustained by the facts-

- 1. That the bees of one colony in an apiary will sometimes long frequent a spot, or even rob a hive, before those of a neighboring colony will seem to be conscious of the game, or participate in the spoil. There must consequently be some mode by which the bees of the same colony are conducted to the place frequented. And the explanation I have given seems to be the most simple and natural.
- 2. That during the gathering season, the bees do not leave their hives in masses in the morning, but separately, one after another, in Indian file, passing on in a sort of "goose march" in the air to their journey's end; and the time of march being once established, bees of other colonies, not yet conversant of the way, may join in the procession to the quarry, and become partakers of the common spoil.-American Bee Journal.

BEES ROBBING PASTURE.—A dairyman once remarked that he did not like the community for dairying, on account of the bees which were pastured, the country keeping bees largely. This was a new thought, and opened the eyes of the by-standers, but it is true nevertheless. The saccharrine principle is an important element in herbage. The white clover, which is one of the main reliances of the dairyman, is seriously robbed of its treasure by these roving thickes, at the expense of the sweetness of the milk, and the sugar generally necessary to a cow's benefit. It is a small matter, and overlooked, but has its force. - Cor. Rural World.

PROFITABLE BEES.—A writer in the Rural New Yorker, who had seven swarms of bees last Spring, foots up his profits thus: 9 new swarms at \$5, \$45; 150 pounds white clover honey at 30 cents, \$45; 50 pounds buckwheat houey at 25 ceuts, \$12,50; total, \$102,50 or nearly \$15 per swarm.

An Ohio farmer says that King birds when they capture a bee, first catch him between the feathers on the top of the head, retain the bee for a short time, and then free him, aud the second capture is in the bill and then swallowed. While the bee remains in captivity on the top of the head, it stings into the thick tuft or sealp, thereby losing the sting.

BEES LOST IN SPRING.—Mr. Quimby, in his FARMERS work on bees, says that to prevent bees leaving the hive in such numbers in the Spring, "a wide board should be set up before it, at least as high as the entrance in the side, to protect it from the sun. But if it grows so warm that the bees leave the hive when thus shaded, it is fair evidence that it will do to let them sally out freely, except in case of a new snow, when they should be confined to the live.

The hive may be let down on the floor-board, the passage in the side covered with wire cloth, and made dark; raising at night again, a little, for ventilation.

It has been recommended to enclose the whole hive by a large box set over it, and made perfectly dark; with means for ventilation, &c. For large families this would do well enough, as would also some other methods. But I would rather take the chances of letting them all stand in the sun, and issue at pleasure, thap to have the warmth of the sun entirely excluded from the medinm sized families."

Now offer at the LOWEST CASH PRICES,

2000 Sacks Prime Red Top.

Seed Barley.

Seed Barley.

Spring Ryc.

Spring Ryc.

Seed Barley.

Spring Ryc.

Seed Pasa.

Late White Peach Blows.

"Harrison Potatoes.

Seed Peas.

100

"Harrison Potatoes.

Seed Peas.

100

"Harrison Potatoes.

Seed Peas.

Late White Peach Blows.

"Seed Peas.

Late White Peach Blows.

"Harrison Potatoes.

Seed Peas.

Millet and Hungarian.

White Dutc Clover, Orcbard Grass, Onlon Sets, and a complete assortment of GARNEN SEEDS, It has been recommended to enclose the

THE EGYPTIAN BEE.—The American Bee Journal says that through the agency of the "Society of Acclimation," at Berlin in Prussia, the variety of the honey bee prevalent in Egypt, has been imported and introduced in Germany. Mr. Vogel of Custrin, in whose charge the imported colony was placed by the Society, has been successful in multiplying stock, and preserving its purity, and several young queens have been sent to England. It is stated that arrangements have been made to bring this variety to this country at an early day. It differs from both the common and the Italian bee in size and making, and is stated to be quite as gentle in temperament as the latter, while the breed is more easily kept pure.

MANURING TREES.-Too many, in applying manure to their fruit trees, forget the position of the roots, and apply within a foot or so of the body. If they were to carefully remove the soil, they would find that trees of vigorous growth, and from seven to ten feet high, have roots, that are really the main sources of nourishment, varying from six to ten feet from the body. The application of manure, therefore, to give the best results, should be distributed around the tree at a distance of from five to eight feet from the trunk. In positions where the tnrf is desired to be maintained, cut and roll it back, put on the mannre, fork it in very lightly, and then replace the turf. -Horticulturist.

MASSACHUSETTS' AGRICULTURAL COLLEGE. Work on this institution, which is located at Amherst, was resumed last week.

# Advertising Mepartment.

### Rhode Island.

W. E. BARRETT & CO.,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS, SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS. GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINGED HARROWS, CULTIVATORS,

ROAD SORAPERS, OX YOKES, AND PLOW CASTINGS; And Wholesale Dealers in

Hoes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Shellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES,

Whitcomb's Patent Horse Rake, and the hest Hay Tedder in the market. Prices low and Terms Cash.

OFFICE, 32 CANAL STREET, PROVIDENCE, R. I. we-tf

March 23, 1867.

W. E. BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Sbares' Patent Horse Hoes, Chase's Two Horse Potato fliggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

A GRICULTURAL IMPLEMENTS.—A. S. ALMOLD, dealer A in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Woonsocket, R. I.

SUBSTITUTE FOR PERUVIAN GUANO.

BAUGH'S RAW BONE SUPER PHOSPHATE OF LIME.

the BEST and OHEAPEST Manufactured Fertilizer in the United States, for Wheat, Rye, Barley, Oats, Corn, Potatoes, Buck-wheat, Tobacco, Hops, Turnips, and all Garden Vegetables, Small Fruits, and every Crop and Plant. Particularly recommended to Cultivators of Strawberries, Raspberries, Blackherries, and all small Fruits, as far superior to any other Fertilizer in market.

Also, LODI MANUFACTURING CO.'S POURRETTF.

Pamphlet of 90 pages, "How to Maintain the Fertility of American Farms," giving full information in regard to the use of Manures, &c., sent free, on application to JOSEPH HONGES & CO., Agents, J. HODGES, March 30, 1867.

March 30, 1867.

3w-we-12

W. E. BARRETT & CO., PROVIDENCE, R.I.

Now offer at the LOWEST CASH PRICES,

Raised for us with great care. 200 Barrels dry ground Bone for Manure, together with all kinds of Farm Implements and Mac hinery. Send for Circular of Mead's Conical Plows and Sbare's Horse Hoes—and don't forget the number,

32 CANAL STREET, 32.

PEOVIDENCE. we-tf

H UBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRET' & CO., 32 Canal Street, Providence, R. I

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

BARRETT'S EXTRA EARLY CABBAGE,—The hest and largest in the market. Price, 25 cents a paper, Raised and sold by W. E. BARRETT & CO. Providence, Feh. 23, 1867.

ROAN SCRAPERS, made of old Car Wheels, for sale by
W. E. BARRETT & CO.,
32 Canal Street, Providence, R. I

 $E^{\rm XTRA~HEAVY~PLOWS,~for~road~work~and~for~hreaking}_{\rm up~new~land,~made~by} \begin{array}{c} W.~E.~BARRETT~\&~CO.,\\ 32~{\rm Canal~Street,~Providence,~R.~L.} \end{array}$ 

### Massachusetts.

FRUIT TREES,

GRAPES, SMALL FRUITS, ORNAMENTALS, &o.

WE have imported from foreign growers, and personally se lected at the largest New England and New York Nur sery Establishments, the choicest stock which we could find this season, and now offer to purchasers a general assortment of

NURSERY STOCK, first class in quality, complete in variety, and extensive in quantity, at very low rates. A descriptive catalogue of 40 pages mailed to applicants. Sample of the collection may been at our salesroom, basement of 28 & 30 Water street, Boston. Orders faithfully executed.

BENJ. T. WELLS & CO.

Importers & Nursery Agents,-Office, 7, Water St., Bos

SOUTH DOWN CO.'S PATENT

# SheepWashTobacco

THE BEST KNOWN REMEDY FOR

TICKS, SCAB, VERMIN AND FOOT ROT should be used by all Farmers on

ANIMALS AND PLANTS

This pure preparation has been successfully used for ears, and never fails to produce the desired effect when used secording to directions.

It will not injure the most delicate animsl. It will improve the Quality and Quantity of Wool. It kills TICKS on Sheep.

It cures SCAB on Sheep. It cures all SKIN DISEASES on Animals.
It kills all VERMIN that infest Animals, Trees, Plants and

Vlnes.

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Msssachusetts.

For ssle by KENDALL & WHITNEY, Portland, Me.: N. S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866. 4m-we-9

CARROT AND MANGOLN WURTZEL SEEN. I raised the past season a fine lot of Long Red, Yellow Globe, and White Mangold Wurtzel Seed, and will send either variety, post-pald, to any address, for \$1.00 \( \frac{1}{2} \) Miso. Long Orange Carrot Seed, of my own growing, for \$1.25 \( \frac{1}{2} \) Die There ofter an opportunity for all to procure Seed DIEKOLLY FROM THE OROWER.

JAMES J. H. GREGORY, Marhlehead, Mass. 5w-ee-I2 March 30, 1867.

BY MAIL, PREPAID.

CHOICE FLOWER AND GARDEN SEEDS,

NEW STEAWBERRIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percba silk, so as to reach any part of the Union iu perfect safety, a complete as sortment of the finest.

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS, GOOSEBERRIES, BLACKBERRIES, ROSES,

#### FLOWERING PLANTS,

Bulbs, Lilles, &c., &c. Fruit and Ornamental Trees and Sbruhs, Evergreens, Hedge Plants, &c., will he sent by freight paid to Boston. Also, the True Cape Cod Cranberry, for cultivation in wet land, or in upland and Gardens, where it produces at the rate of 400 husbels to the acre; with directions for cultivation. Priced Hescriptive Catalogues will be sent to any address. Now is the host time for Planting. The best way to obtain good Fruits and Flowers, and Seeds, is to send direct to the Grower. Send for a Catalogue. Wholesale Catalogues to the trade. Agents wanted. the trade. Agents wanted. Plymouth, Mass., March 30, 1867.

Collins, Bliss & Co.,

PRODUCE AND COMMISSION MERCHANTS OASH ADVANCES MADE ON CONSIGNMENTS.

233 State Street, and 130 Central Street, Boston New England Agents for the

NONPARIEL FRENCH GUANO. It is claimed that this Fertillzer 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, witbout burn-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRICE \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

# Pennsylvania.

MENNENHALL'S IMPROVED SELF-ACTING

In these days of SHODDY, and high priced goods, every famly in the country should bave one.

HALF THE COST

of clothing a family can be saved by its use. It is simple and durable, easily understood, and easy to operate. No skill is re-quired to weave with it beyond the simple turning of an easy FROM 15 TO 35 YARDS OAN BE WOVEN ON IT IN A

FARMERS1 don't sell your wool and buy SHODDY, when with one of these Looms in your house the GIBLS can make all the clothing for the family, and much better quality, at ball price.

By late improvements, RAG CAEPETS can be woven with the FLY SHUTTLE.

For circulars, price list, and samples of cloth woven on the Loom, address with stamp,

A. B. GATES & CO.,

333 Chestnut St., Philadelphia.

Also, Bealers in Cotton Warp, Wool and Flax Filling Yarns, Reeds, Harness and Loom findings generally.

March 2, 1867.

p&w-tf

RHODES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIO ACID. VALUABLE FOR EVERY DESCRIPTION OF CROPS.

dent of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say more than that it is

FULLY UP TO THE STANDARD, IN QUALITY,

and is in fine condition for drilling.

Farmers, when purchasing, would do woll to get the RHODES' SUPER PHOSPHATE.

YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Delawsre.

418 South Wharves, PHILANELPHIA. March 23, 1867.

### New York,

J. HICKLING & CO.S

GREAT SALE OF WATCHES.

| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

5,000 Silver Hunting Duplexes. 75 to 250 5,000 Gold Ladies: Watches. 50 to 250 10,000 Gold Hunting Lepines. 50 to 75 10,000 Miscellaneous Silver Watches. 50 to 75 10,000 Miscellaneous Silver Watches. 50 to 76 10,000 Miscellaneous Silver Watches. 25 to 50 30,000 Assorted Watches, all kinds. 10 to 75 Every patron obtains a Watch by this arrangement, costing but \$10, while it may he worth \$750. No partiality shown. Messrs J. Hickling & Co.'s Great American Watch Co., New York City, wish to immediately dispose of the above magnificent Stock. Certificates, naming articles, are placed in sealed envelopes. Holders are entitled to the articles named on their certificates, upon payment of Ten Hollars, whether it he a Watch worth \$750 or one worth less. The return of any of our ment, irrespective of its worth, and as no article valued less this is no lottery, but a straight-forward, legitimate transsction, which may he participated in even by the most fastidious!

A single Certificate will he sent hy mail, post paid, upon receipt of 25 cents, five for \$1, eleven for \$2, thirty-three and elegant premium for \$5, sixty-six and more valuable premium for \$10, one bundred and most superb Watch for \$15. To Agents, or those wishing employment, this is a rare opportunity. It is a legitimately conducted husiness, duly authorized by the Government, and open to the most careful scrutiny. Try us!

Address, 14 Horder Address, 14 Horder Pool. 149 Broadway—Near P.O.

149 Broadway—Near P.O.

WHITE FRENCH TURNIP, of the purest kind, raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.



THE FARM AND FIRESTIRE 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 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 offensive 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 advance. Single copy 5 cents.



ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE OF THE DISTRICT COURT FOR RHODE ISLAND.

S. S. FOSS, PUBLISHER, MAIN STREET.

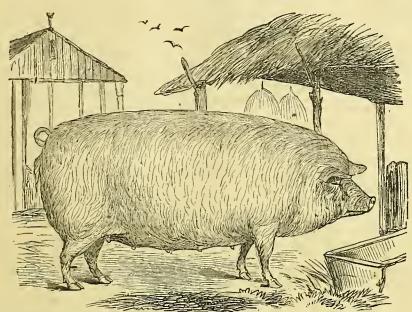
TWO DOLLARS PER ANNUM, IN ADVANCE.

SINGLE COPY, FIYE CENTS.

VOL. 1.

# WOONSOCKET, R. I., SATURDAY, APRIL 20, 1867.

NO. 15.



#### THE WHITE CHESTER BREED OF SWINE.

THE White Chester Breed of Swine is not an original, hut a "made-up" breed, being a cross between the best native stock of Chester county, Pennsylvania, and a Bedfordshire hoar, imported by Captain James Jeffries more than forty years ago. They are "easy feeders," and return a greater weight and value for the food consumed, than any breed known .known to gain a pound per day until they were to six hundred pounds is very common. The stock is well distributed over the country, beas the "Chester County Whites."

The most approved and desirable points of the White Chester breed of swine, are leugth and depth of carcass, breadth of back, small boue, very small head in comparison with the size of careass, full ham, shoulders full and well pushed towards the head, leaving little or no neck, heavy jowl, disbed face, thin skin, straight hair and straight back. "I have always found," says Pasehall Morris, "that a to he put. Neither nature nor art, or both hog with a dish face, short nose, small head, combined, have been able to unite in one aniand breadth between the eyes, is right nearly everywhere else, and is an easy aud quiet feed- beef; oue or the other of these qualities will er. On the other hand, a long nose, and a preponderate, and it is this fact, that makes it a hard and uneasy feeder and a great consumer."

that like will always beget like, there is yet, taking the best samples, so full a development of nearly perfect figure, quiet habits, and fattening tendencies, as to make a capital groundwork, which some energetic farmer may use and Webb did with sheep, and bring up the White Chesters to a still higher standard and a ling, keep up a fine race of animals, as is conmore determined type. The hog is often the poor man's main reliance, and if his weight at a given age can be doubled on the same red on the economic interests of the masses, and a large addition to the aggregate wealth of

#### ABOUT BUYING COWS.

Written for the Farm and Fireside, BY CRAIG BINDLE, ESQ., PHILADELPHIA.

The most essential thing for a purchaser to know, is what it is that he wants to huy. This may seem a very commonplace observation, but more than half the disappointments in purchasing arise from an ignorance of that When properly cared for, they have been fact. A person wishes to buy a horse, or a eow, or a country place: he goes into the gentleman than the farmer. two years old. They have attained a weight market for it, without having for a moment of over uine hundred pounds, and five hundred considered, what sort of a horse, or cow, or country place he requires. If he is fortunate enough to fall in with honest people, he may ing most familiarly known in some localities buy a good article; but teu to one, it is not the them, in the Farm and Fireside, I will do so in ou the plains: the deserted pasturage is artiele he wants. Experience teaches us more to decide between the good and bad, than between what we want, and what we don't want. Every child knows good cake from bad cake; but very few, what sort of cake is good for them. It is that which experience teaches.

> In speaking of eows, it is not possible to say what is the hest eow, unless we know for what purpose she is wanted, and where she is mal the highest excellence for cream, milk and for what particular purpose we desire a cow. degree.

its peculiarity. You can by judicious crossstantly doue hy skillful Euglish breeders; hut stantly meet with "common cows" having five plougbs, and three hundred and twenty the barn at \$20 in mid-winter.

qualities.

Of the three Islands, I prefer the "Geurnsey farm. Cattle." They are not so deer like, in appearanee, but they are larger cattle, with larger The Jerseys generally are smaller, more delicate, and are more attractive to the eye of the

These cattle are beginning to be pretty well in our agricultural Journals. If I can add a future number.

April. 1867.

[Note,-We shall be happy to publish anywrite on improved breeds of cattle.—Editors of the Farm and Fireside.]

#### A ROMAN FARM—THE FARM OF CAMPO MORTO.

Written for the Farm and Fireside, NY HON. JAMES W. WALL, NEW JERSEY.

THE great farm of Campo Morto, covers the very ground in the territory of Coriolanus and long and large head, indicate, in a general way, necessary that we should decide in advance, of Autium where the world renowned Coriolanus gained by his sword his glorious sur-While it must be admitted that the good If we do not desire any one of these qualities name. This farm consists of seventeen thoupoints and properties of the Chester county in excess, we can then, of course, select an sand acres; four thousand of which is arable Early Prolifie, which originated in W hreed are not so confirmed and established, animal that combines them all in the greatest land; a little over five thousand, permanent pastures and meadows, and the balance forest. A breed of cattle, is one that propagates its The arable laud is divided into four lots, which like. A good, common cow is not so likely to are subject each to a different rotation of crops trausmit her good qualities as one which is re- and fallows, according to the nature of the cognised to belong to a distinct breed. It is soil. One wheat erop is succeeded by two or as a starting point, as Bakewell, and Ellman, this power of trausmission, which constitutes three years' fallows, or the wheat erop is followed by oats and beans; or lastly, after the oats harvest in the second year, the ground is sown with Indian corn or heans, after which you cannot create a breed. The animals, like it is left fallow for one year, and then sown the mulatto, will either die out, or return to with wheat again. The wheat crop, in geuamount of food, a vast benefit will be confer- one or the other of the original types. In our eral, returns, as I was informed, uiue for one; country, where all emigrants who brought cat- the other grains and heans, about fifteen. The cent. of its weight. It is, therefore, better to tle at all, of course brought their best, we con- cultivation of the farm requires about sixty- sell hay in the field at \$15 a ton, thau from

the highest degree of excellence. This arises, ; oxen; two hundred and fifty bulloeks are probably, from a judicious, but accidental kept fattening for the market, besides above eross. If we could rely on perpetuating this leight hundred cows and calves, and about one stock, it would be all that could be desired; hundred buffaloes. One hundred horses are but here, as we have said, the difficulty hegins. Frequired for the cattle drivers and servants of The offspring is much less likely to take after the farm, who are always mounted, as well as the mother, than in a stock or breed of fixed the carts &c., and two hundred and fifty mares opinions, of eourse, vary very much as to saud sheep graze on the farm. The agents the value of different breeds. Our own object and servants permanently employed amount to has been to obtain the best quality of milk, ione hundred and eighty. About four hundred eombined with a reasonable quantity. For laborers are engaged from October to June, this, in our opiniou, uo animal equals the and about eight hundred in harvest time. The Alderney cow. The cattle bearing this name former are paid from twenty to thirty cents a came from the Islands of Alderuey, Jersey day; the latter, about forty. They come and Guernsey; and are more properly called down chiefly from the mountains of the "Chanuel Island cattle." They, however, Ahrazzi aud Sabina. The rent paid to the pass generally in England, under the name of Chapter of St. Peters, who are the proprietors, Alderneys. They are ealled generally "Jersey amounts to about six thousand a year in our eattle" in New England, the importations be- mouey. The whole produce of the farm is ing mainly from that Island. This chauge of valued at about seventeen thousand dollars. name does not recommend itself to us, as our But the expenses attending this great establishproximity to the State of New Jersey, called ment swallow up so much of this sum, that ordinarily "Jersey," ereates a misunderstand- the real profits of the farmer consist in his ing when speaking of the Island of that commercial and hanking speculations, which he carries on by means of the produce of the

Harvest commences about the fifteenth of June, and thresbing, which immediately folteats, and more easily milked, and when dried lows, is terminated by the tenth of July. off can be made to weigh a very fair weight. From the speed with which the laborers work, one might suppose they were making an assault; and iudeed no assault can be more formidable; for those poor workmen, who are accustomed to the pure air of the mounknown, and are the subject of frequeut articles tains, iustead of the malaria, to which numhers become victims every year. After the anything to what has been said already about ifirst of July, nature seems in a state of deeay seorched up, and the roots alone of some ligneous plants are the only remains of extinguished vegetation. The trees appear to thing from a gentleman so well qualified to have undergone the action of fire; the earth hecomes dust, and rises in continual whirlwinds; not a living creature is to be seen; no hird interrupts the silence of the fields; the sky is clear and strangely azured; but the distant view of the horizon presents that exquisite harmouy of color, which great painters have been able to represent.

April, 1867.

NEW TOMATOES. - Hovey's Magazine names eight new varieties of the tomato, all brought to notice within the past year or two, several of which possess many excellencies. Keyes' Mass., seems to stand foremost on the list. The plant is dwarf in its habit and can be planted uear together. The fruit is of medium size, round, quite smooth, and free from ribs, and of a very hrilliant color. The flesh is solid, of the color of a blood orange, and of a brisk flavor, inclining to sweetness. Seeds not half the size of the Tilden, and few in number.

It has been ascertained that well cured hay, weighed in the field, July 20, and then stored iu the barn until Fehruary 20, had lost 27½ per



BEET SUGAR.—A company is about being organized in New York, with a large capital, for the purpose of establishing a beet sugar manufactory at the West, where beets are cheaply raised. Such an establishment has just been started at Chatsworth, Illinois. The Prairie Farmer says ninety barrels of sugar were received from this factory, at Springfield, ou the 26th of March. It is estimated that by proper attention to this matter, eighty millions of dollars which we annually send away for sugar, might be saved, employment given to thousands of persons, and the national debt earlier cancelled.—
If this estimate is correct, the matter is wortby of serious consideration.





## The Field.

## SPRING SEEDING.

WE believe it is coneeded 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 is to be, the great regenerator of our soil. As a forage crop, it is unrivalled by any 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 pasture; no kind of bay better for eows and borses than elover, properly eured, and no 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 havnow and sow lots of red clover.

There are a variety of opinions about the crop; but many farmers will continue to eultivate oats, and the grain of oats will very properly continue to be a staple feed for borses and sheep, wherever it can be had. The best time to put in oats is as early in the Spring as the ground is fit to be worked, and earlier in the mud, if the mud is of a kind that will not turn to brick by the operatiou.

Now is the time for sowing the seed of Kentucky blue grass in open fields. For a permauent pasture, no grass is more generally stand by, like the Kentucky Blue grass. Iu Northern Ohio this grass never shows the luxuriance which it attaius in its best state, in the latitude of Southern Ohio and Kentucky, wealth of the farmer. - Ohio Farmer.

### STARTING SWEET POTATO PLANTS.

J. W. C., Lower Pennsneek, Salem county, N. J., who last year grew 170,000 hills of sweet potatoes, gives the readers of the Agrieulturist his metbod of raising the plants for

Select a high piece of ground, sheltered from cold winds by a fence or bushes, and dig a pit fifteen inches deep, five feet wide, and rendered to science and to art. two feet in length for each bushel of tubersten bushels requiring a trench five feet wide and twenty feet long. Upon the margins of the pit, set on edge boards, six inches wide, and hold them in place by driving stakes iuside of the pit, and banking earth against ready to receive the seed potatoes.

now eover the whole with hay, allow it to be be left off entirely in the middle of the day, as out West for flour. The consequence was that box.

the plants will need airing, and to be covered the price of wool went down, and many farmthe covering is left off entirely. Iu this neigh- and mortgages on their farms. borhood we make the beds from the first to the middle of April.

#### ACTION OF LIME ON SOILS.

just read before the French Academy of Sciences, a paper on the employment of lime in agriculture. It has not yet been published, but M. Barrai gives the following as the substance of it, which we translate from the Journal d'Agriculture Practique:

Lime introduced into an arable soil sets at liberty a certain quantity of azote iu the state of ammonia; the azote elements were before united in insoluble combinations not assimilable to plants; the action of the lime sets them ing land suitable for this crop, to pitch right in free, and permits a part of the capital buried in the soil to be utilized for the next crop. If N. Y. Picayune, this was the wbole effect of lime, of which the propriety of raising oats as a general farm experiments of Boussingault afford evidence, small doses of it at once ought to be eounseled, because the quantity of ammouia produced does not increase in proportion to the quantity of lime used. But as heavy limings produce iucontestible effects in certain cases, it must consequently be admitted that lime exerts an than farmers generally think best to work land aetiou of some other kind upon the elements for other Summer erops. Oats may be sown for the mold. Boussingault thinks that certain minerals, such as potash and silica may be liberated in the soil by the lime; that other substances injurious to plauts are destroyed or modified by the same agent, and that to these effects is added, moreover, a physical action, esteemed and no cultivated grass that will changing the constitution of the land. The action of lime is thus excessively complex, aud its good effects can only be explained by studying attentively the special eireumstauces under which they are produced. The grand where it is truly the glory of the field and the faet proven by the present researches of this agricultural savan is, that there exists in this mold, as well as in the form of organic matters, a host of substances completely mert for vegetation until the moment when some proper agent renders them assimilable by plants. The eontinuance of experiments upon the method devised by Boussingault can alone clear up these excessively complex facts, and point out to our agriculturists the most effective process. The discovery of methods which couduct to truth is often the greatest service that can be

#### CULTIVATION OF SMALL FARMS THE MOST PROFITABLE.

THE Vermont Farmer gives a very interesting report of a discussion by the members of them on the outside. Fill the pit twelve the Farmers' Club beld at Brandon, on the inches deep with coarse hay or cornstalks, or comparative merits of farming on large and other litter, and dampen it by the use of one small farms. Judge June elaimed that labor pail of water to every three feet in length of on a farm should be concentrated upou a small the bed. Upon the litter place four inches of piece of land, and not spread over a large good horse manure, level off well and then tract; to work a little here and a little there, put on four inebes of light sand soil, and it is was not profitable. The work was diluted, became weak, and but little was accomplished. We differ here in one practice. As to time Witness the result of concentrated labor near of planting, some plant immediately, and Bostou and New York, where every foot is others wait for the heat to rise in the bed. I made to produce a large erop. The farmers of preser to plant the day the hed is made, as Englaud, by concentrating all their labor upon there is no delay uor loss of heat in ease a a small piece of land, produce immeuse crops. eold storm should come. Lay in the whole It is better for a man to bestow all his labor on potatces as close as may be, without their two acres than to put the same labor on ten touching one another, and cover them with acres. The product of a well cultivated field is light soil about two inches deep. When this worth more by the bushel than a poor eropis done, the bed will be filled within two weighs more and has more heart. He said the inebes of the top of the slats on the edges; old proverb that that "which was worth doing at all was worth doing well," was true of one foot bigh on the edges, and four feet high ing. Stephen Girard was a far seeing man, in the center. After the bed has been pre- and by watching the operations of government pared thus it may be left to itself for a few was enabled to so shape bis business as to days, but in three or five days it must be take advantage of the high tide every time, examined; make a hole in the hay and thrust and amassed an immense fortune. So should in your arm; if the temperature is more than our farmers watch the movements of governblood heat, leave holes open here and there in ment and the markets, and so shape their stock show a desire to incubate, and if early chickens France. A French chemist estimates that a the hay. If the beat increases, turn the hay and erops as to have their dishes right side up over and air it; and if this does not moderate every time. Among other things, study to be the beat sufficiently, remove the hay alto- ready to supply the wants of the community. gether. If the sun sbines hot after the hay Every State should raise its own breadstuffs, bas been removed, we put rails across the bed and thereby in a great measure prevent the and throw on a little bay, to prevent damage hard pressure in the money market. At one from too great an increase of heat. In eight time it was all wool, wool, and everybody date, twenty-oue days in advance, should be

up at night. When the nights become warm, ers went down too, with wool on their hands

SUGAR CULTURE IN LOUISIANA.-We copy from the Price Current a list of the sugar plautations of Louisiana, and the products thereof the last year. It has been compiled by our The distinguished chemist Boussingault has friend, Mr. Young, with his usual eare and aceuraey, and is believed to be very nearly complete. The estimates for the entire crop range from 40,000 to 42,000 hogsbeads. Of the number of acres planted this year, we have no positive information, but it is known to be much greater than last year, and the coming 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 parties wishing to resume the business of sugarmaking. The Price Current's estimate of last year's product of molasses is 65,000 barrels.-

> ROTATION OF CROPS.—Never plant twice successively on the same ground. Chauge your seed every year, and if possible get them from another section of the country.

# The Paultry-Yard.

### · FEEDING POULTRY.

Onions are said to be an admirable food for fowls, or rather an adjunct food. If giveu regularly, it is said that they will prevent the attack of the more ordinary diseases of poultry. Meat is said by some to be an essential food for poultry, especially in winter, when eabiu insures him an egg even in the most uuthey cannot get the worms they pick up in genial season. Summer. Others, again, maiutain that the habit of giving meat to poultry is productive of grave evils-the eause of many of the worst forms of disease which affect them. By these authorities it is ealled unuatural food, inasmuch as the digestive organs of the birds are tions and conveniences, it is found more not fitted to assimilate it. There must, we lecrtain thau those hatched iu June. Many think, be some mistake in all this; for we know of a surety that fowls devour, when it little attention to them at this season of the they ean get it, and entirely of their own aeeord, an enormous quantity of animal food; here it is not eooked; the game found in nature's garden is raw. If meat is an unnatural graph says that when he finds a hen on the food for poultry, they certaiuty have a most uuuatural appetite for it. Throw in one lump of meat among a lot of fowls; if not literally rooster in with her. There is no setting doue 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 much food in a soon go to laying again. short space of time to poultry is a bad one. If you notice their habit you will perceive that the process of picking up their food under ordinary, or what we may eall the natural eonditiou, is a very slow oue. Grain by grain does the meal get takeu, and with the aggregate no small amount of sand, small pebbles, erop, assist digestion greatly. But in the hen's wife " mode of feeding poultry, a great heap is thrown down, and the birds allowed to 'peg away" at such a rate that their crops are filled too rapidly, and the process of assimilatiou is slow, painful and incomplete. No wouder that so many eases of choked eraw are met with uuder this treatment.-Mark Lane Express.

as those of one or two years. Much, how- dries up and decays. ever, is depending on the breed kept, so far as good layers are concerned

Some of the early-laying hens will hegin to and let them sit. See that they have selected the general fund. Eleven to thirteeu eggs, as making light of death. fresh as possible, should be given her, and a or ten days after the heat starts, the hay may went to raising wool, and sending their money marked in a conspicuous place on the nest-15,000 to 20,000 hogsheads larger than last

THE unuatural practice of fattening poultry by eramming is very eommon iu France, aud is described as follows: The fowls are elosely eoufined 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 resting them on his knees, forces paste pellets down their throats every twenty-four hours. The fluer specimens of poulardes (hens) attain a weight of upwards of eight pounds, the eocks, thirteeu pounds; and these weights are sometimes exceeded. Another mode of artificial feeding termed entonnage, is by eausing the fowls to swallow, by means of a funnel iuserted into the mouth, farinaeeous substances in a liquid state. In some instances, "vermmieres" are established in France for the purpose of breeding maggots from putrid flesh to feed poultry on. It might not be wise for epicures to enquire too particularly iuto the origin of some of their favorite viands.

MARTIN DOYLE, the cottage economist of Ireland, in his "Hints to Small Holders," observes that a few eocks and hens, if they be prevented from scratching in the garden, are useful and appropriate stock for a cottage, the warmth of which eauses hens to lay cggs in Winter-no trifling advantage to children when milk is searce. The French, who are extremely fond of eggs, aud contrive to have them in great abundance, keep their hens so warm that they have fresh eggs even in Winter. Now, 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

It has generally been supposed that there would be a great difficulty in rearing chickens hatched in February and March, on account of the cold; but, with proper accommodapersons fail in raising chickens for want of a

A correspondent of the Germantown Telenest that he does not want to set, be puts her in a large eoop where it is light, and puts a in that eoop in the day time, and in two or three days the hen may be let out, and will

# Miscellany.

THE VIBRATIONS OF SOUND AND COLOR. The deepest note which the human ear pereeives as a continuous sound, it is said, is proand the like, all of which, passing into the duced by sixteen vibrations a second; the most acute by forty-eight thousand vibratious. The extremes of color, it is said, are red and violet, the former being given by 458,000,000,-000 vibrations of light per second, and the latter by 727,000,000,000 vibratious.

TRANSPLANTING TREES.—Mark the North 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, To have the poultry-yard profitable, the iu its natural position. Ignoring this law of fowls should not be kept until they are old. Insture is the eause of so many transplanted There is no objection to preserving a favorite trees dying. If the North side is exposed to eoek, so loug as is it active and lively, but hens the South, the heat of the sun is too great for after three years will not produce as many eggs that side of the tree to bear, and therefore it

A New Gas Light. - Au ingenious, but eertainly not very inviting mode, of procuring gas for illuminating purposes has been proposed in are desired, it is best to humor this propensity human corpse of ordinary dimensions, by a process of combustion in retorts, may be made a safe warm place, where they will not be dis- to yield 7500 cubic feet of illuminating gas, at turbed by other hens depositing their eggs to a eost of about \$1,60. This process is certailly

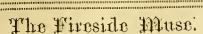
The sugar erop of Cuba is estimated at from



Combustible Paper.—It is stated by a London newspaper that there is a common reddish-yellow paper which, iu some circumstances, is as dangerous as gunpowder. It takes fire by the smallest spark, and burns like tinder. When once lighted, if left alone, it is sure to be consumed completely. All the yellow and buff paper out of which envelopes are made, partakes more or less of the same character. A spark of fire, or the stump of a lighted eigar, falling in a waste basket containing yellow envelopes, with other kinds of paper, would have a good chance of setting the whole on fire, causing a general conflagration. If this is true, people should be cautious and not allow this kind of paper to accumulate in or around their premises.







#### ROBIN'S RETURN.

There's not a green hlade yet
Whereupon a breeze could play;
The bare brown earth is wet
With the rain of yesterday;
But out on the apple bough
A sound more sweet than rain!
Hark to the overflow.—
Pally's copy, again, Robin's come again.

Snow on the mountain side, Never a leaf on the tree, Never a spray to hide A nook where a nest may be; Only a hint, 'tls true, That hope is not in valn, A sky more soft and blue, Robin's come again.

O. Robln, he can sing Where not a flower can thrive Musician of the Spring, The blithest thing alive; The March winds softlier blow Over the dreary plain, A sunnier day or so,— Robiu's come again.

The while he caroleth, Our hearts are lighter grown We almost feel the breath Of violets new-blown; He sings the songs we knew, The earliest, gladdest strain; Oh, old friends are the true,— Robin's come again,

# The Stock-Ward.

### A ONE THOUSAND DOLLAR COW.

A Correspondent in a late number of the Cultivator and Country Gentlemen, gives an account of a remarkable cow owned by Mr. Seammon of Stratham, N. H. If the statement given of her be true, her aunual product of milk and hutter is one of the largest, if not the largest, on record.

Most of our readers will remember the cclebrated Oaks cow-one of the so-ealled native breed, and bought out of a drove in Massachnsetts for a merc trifle. It is stated, on the authority of the Massachusetts Agricultural Society, that this cow, in the first year after being honght, and with ordinary keep, made 180 pounds of butter. The next year she had pounds. The next year she had a hushel a week, and all her own milk skimmed, and she then gave from the 5th of April to the 25th 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 of the Ayrshire breed, of a pale yellow color, and was raised by Mr. S. When she was six years old, an account of the butter made from her was kept. The number of pounds realized was 610, and her milk 14,540 poundsbeing almost 40 pounds per day through the year, and nearly 12 pounds of hutter per day through the year.

This is really a most remarkable yield, and will require strong proof to be generally believed. Making the liberal allowance of ten of this cow for the year would he 1,454 pounds of cheese, and ahout three times as much as the average of first class dairies in Oncida or as the average of the hest.

Estimating that cheese is worth 18 cents per pound, this cow would give her owner the sning little sum of \$261,72 in cheese per an- feed to keep them all right." num, to say nothing of whey for feeding swine, or if the butter he put at 50 cents per pound, we would have her annual product ent in the Country Gentleman says: 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 four quarts of meal per day until July, then decreases to two quarts, and after having turns her ont to grass, and gives no more meal. Green stalks are fed in season. The cow goes dry one month hefore calving. The mcal is given to keep the cow in flesh rather than for that the meal increases the milk hnt little, scratches in a horse: Take sulphate of zinc, though it adds to its richness. The price put one drachin, glycerine two onnces; apply upon this cow is \$1000, though, from the no- every morning.

tice, we do not understand that she is offered by her owner for sale.

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 could hope to get a line of dairy stock that would command the admiration of the world, and fill the owner's pockets with a good supply of greenhacks.—Utica Herald.

RULES FOR COW MANAGEMENT. - COWS should run dry six weeks before calving; if milked closely towards calving, the calves will

A cow newly come in should not drink cold water in cold weather, but moderately warm slop. Calves, intended for raising, should be taken from the cow within a few days, and they will be less liable to suck when they are old. Feed them first on new milk for awhile, then skim milk, taking care that all the change are gradual, 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 rnn dry about the same time in after years-therefore, he careful to milk closely the first year, until about six weeks before calv-

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 caked hag and milk fever.

DISEASED POTATOES-EFFECT ON CATTLE. John Haynes, Londonderry, N. H., writes N. H. Mirror and Farmer concerning the had effect produced on cattle by feeding them with rotten or partially decayed potatoes. An acquaintance of his fed his cows with them and lost three of the number in a short time. Varions 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 mortem examination found the first and second stomachs in a healthy condition, but the stomach of the third was discovered to be distended, twelve bushels of corn meal, and then gave and one-half or more of its contents perfectly 300 pounds of hutter. The next year she had dry and adhering to its walls, the result of inthirty-five bushels, and gave more than 400 flammation and the cause of death. Suhsequently 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 antidotes for poison were administered with success. There can be no doubt that, in both cases, the effects produced were the direct results of feeding diseased potatoes to the cattle. Owners of stock would do well to make a note of this.

> Beans for Sheep.—In a late number of the Country Gentleman, Mr. J. Winne, in giving his experience in feeding sheep with beans

says:
"They are a feed, however, that must be fed very carefully at hcginning, and until the sheep become accustomed to them. An over feed of beans at any time will cloy them pounds of milk for one of cheese the product sooner than any grain I have ever fed; I always mix them when I commence feeding, with oats, buckwheat or shorts for the first three or four weeks, and gradually lessening Herkimer counties, and at least twice as much the light feed; and although I have been feeding my sheep (the most of them) this Winter over four weeks, and have 1,700 hushels of beans, I am still obliged to mix in some light

POINTS IN A GOOD MILKER. - A correspond-

broad, not hanging down like a sack; and hard and shiny, nearly destitute of hair, and what there is should he fine, short and hright. After milking, the udder should be soft, and apparently a skin bag. If, after milking, the udder is hard and full, it shows that it is flesh, not milk, that distends it."

increasing the quantity of milk. Mr. S. states the Times recommends the following for tree within several miles.—A. B. Barton.

# Various Matters.

#### RUSSIAN-AMERICA.

The following is the substance of informaion in regard to Russian-America, derived from Professor Baird of the Smithsonian In-

MEANS OF INFORMATION. - Has had two explorers in that field between one and two years, who returned last Autumn, hringing a collection of specimens of natural history, extending from the British possessions to the shores of the polar sea.

CLIMATE, 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, chiefly hard pinc forests; small trees up to the very shores. Some of the islands heavily timbered with pine uxuriant growth.

The soil on the west coast produces excellent barley and roots, such as radishes, turnips and esculents, such as lettuce, cabbage, &c.

Animals.—Furred animals, such as sea ofter, river otter, sable, furred seal, mink, foxes, hlack, silver, red, &c., in great numbers. Red deer in the south, reindeer in the north.

abound in exhanstless numbers. Behriug's sea and northward, great whales are very numer-

MINERALS.—Surface washings of gold have heen discovered on head-waters of streams, on east side of coast range of mountains. Geological developments the same on west slopes.

Native copper has been discovered in various places ou the coast, and in the vicinity of Copper river.

Irou ore of excellent quality, and believed o exist in exhaustless quantity, now heing smelted and worked by Russian artisans in repairing ships, &c. Coal is found in large quantities, used by the Russians for naval purto Comberland coal. Recent discoveries have been made of what is believed to be a better quality of coal, not yet tested.

Inhabitants.—Five or six thousand Ruson the Northern Sea, arc industrions, peaceable, and tractable, and live by hunting and fishing. The Indians inhabit the interior, are peaceable, and live by hunting, fishing and

The Woodpecker's Foresight.—The woodpeeker in California is a storer of acorns. The tree he selects is invariably of the pine trihe. He bores several holes differing in size, at the Fall of the year, and then flies away, in many instances to a long distance, and returns with an acorn, which he immediately sets about adjusting to one of the holes prepared for its reception, which will hold it tightly in its position. But he does not eat the acorn; for, as a rule, he is not a vegetarian. His object in termined to let them grow, and they soon storing away the acorn exhibits acute forc- formed a flourishing grove. As soon as they sight, and knowledge of results more akin to reason than to instinct. The succeeding Winter the acorn remains intact, but becoming ahundant water in the longest drought. For saturated with rain, is predisposed to decay, forty or fifty years this spring was considered when it is attacked by maggots, who seem to the hest in Clos-dn-Donbs. A few years since, delight in this special food; it is then that the woodpecker reaps the harvest his wisdom has again to a pasture. The spring disappeared provided, at a time when, the ground being "In selecting a milker, look well to the covered with snow, he would experience a udder. Before milking it should be wide and difficulty, otherwise, in obtaining snitable or palatable food. It is a subject of speculation why the red-wood cedar or the sugar-pine is invariably selected; it is not prohable that the insect, the most dainty to the woodpecker's taste, frequents only the outside of wet trees; but so it is, that in Calaveras, Mariposa, and other districts of California, trees of this kind may be frequently seen covered all over their The veterinary editor of Wilke's Spirit of trunks with acorns when there is not an oak-

The crops in Texas are looking remarkably

#### A GARDEN OF ACCLIMATION.

A CORRESPONDENT of the Agricultural Report, for February, writes from Little Valley, New York, as follows:-

"I notice in your annual report of 1865 that you recommend the establishment of a government garden of acclimation, from whence the lama, eashmere goat, and improved breeds of domestic fowls might be distributed to different parts of the country. I highly approve this suggestion, and would name several native animal which I think should be among the first to claim attention, viz: the American elk or great wapili deer, the heaver, the Hudson Bay sable, the mink, and otter. For fifteen years I have been experimenting to ascertain if some of our native wild animals could not be domesticated and become valuable additions to the wealth of the country. I commenced with the ell, and, although attended with some difficulty, for the want of experience in the commencement, the result has been a success, having bred and forests and dense underbrush; some of them raised forty elk on my farm. Four years destitute of timber, and covered with grass of since I commenced experimenting with the mink, and, as with the clk, I found that it required some experience or skill to manage the wild ones taken from the woods until they should rear their first young, but with the second generation the difficulties were overcome, and it proves comparatively easy to raise them in large numbers. The great demand for these furs has nearly annihilated the Fish.-Herring, salmon, halibut and codfish race. My success with the mink, and the information obtained in relation to the beaver. Hudson Bay sahle, and otter, give me great confidence in the ultimate success with these fur bearing animals."

#### TIMBER AND RAINFALL.

According to Rentesell, a German anthority, the proportion of forest or woodland required for an agricultural country, in order to secure it a regular and sufficient rainfall without violent storms, is twenty-three per cent. in interior regions, and twenty per cent. near the eoast. This estimate relates to Germany. The same writer estimates that five per cent. poses, similar to New Brunswick coal, not equal of timber is sufficient for England. An English anthority, Sir Henry James, regards this last estimate too high for England, deeming 2.5 per cent. of timber sufficient. It is probable that the percentage of nimber required in sians, and fifty or sixty thousand Indians and Germany is less than would be necessary in Esquimaux. The Esquimanx inhabit the coast the level regions of our own section, as mountains exert an important influence upon the amount of rainfall.

The following interesting account of the influence of timber upon rainfall and springs is taken from Boussingault's Rural Economy

"The Wolf-spring in the Commune of Sonbey, France, furnishes a remarkable instance of the influence of woods upon fountains. A few years ago this spring did not exist. At the place where it now rises, a small thread of water was observed, after very long rains, but the stream disappeared with the rain. The spot is in the middle of a very steep pasture, inclining to the South. Eighty years ago the owner of the land perceiving that some firs were shooting up in the upper part of it, dewere well grown, a fine spring appeared in place of the oecasional rill, and furnished the grove was felled, and the ground turned with the wood, and is uow as dry as it was ninety years ago.'

The fireside is a school of importance; it is important hecause it is universal, and because the education it bestows, being woven in the woof of childhood, gives form and color to the whole texture of life.

Scratcu the green rind of a sapling, or wantonly twist it in the soil, and a scarred or erooked oak will tell of the act for years to come. How forcibly does this figure show the necessity of giving right tendencies to the minds and hearts of the young.



DURATION OF AND TIME FOR SLEEP .- Mothers and nurses should endeavor to accustom infants from the time of their birth to sleep in the night preferable to the day, and for this purpose they onglit to remove all external impressions that may disturb their rest, such as noise, light, ctc., hit especially they should not oney every call for taking them up and giving them food at improper times. After the second year of their age, they will not instinctively require to sleep in the forenoon, though after dinner it may be continued till the third 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 ought to be shortened for the space of one hour with every succeeding year.





# Grape Eulture.

#### ABOUT THE GRAPE VINE.

Written for the Farm and Fireside. BY J. STAUFFER, LANCASTER, PA.

In your issue of March 30th, headed "Neeessity of Observation," you remark, among other things, that your object is to induce your readers to acquire habits of constant and eareful ohservation-to give the results, and contribute to the fund of truthful knowledge. It occurred to me to give you a few facts respecting the grape vine, that seem to me uot generally understood, or by no means satisfactorily explained. I will give the facts first, then the inferences.

A neglected viue, prostrate among the grass, slightly supported by branches trimmed from an adjoining apple tree, was found in September to have some fine, large bunehes of grapes of a delicious flavor. Personally interested in the matter, I considered this grape too valuable to suffer to remain in such a condition. Late in the season, with the aid of an experienced vine dresser, I had the vine carefully takeu up and transplanted to a good loeation near the dwelling, hoth for shade and eonvemenee. Here it grew profusely, making rather more new wood than to me seemed necessary; but as a grateful shade over the cistern, I suffered it to spread. It flowered profusely, but not a solitary fruit was developed that season, nor ever after, to my knowledge. Some of my knowing friends, to whom I showed the vine in full bloom, declared it to he a male or stammate plant. How came it so? Previous to transplanting it yielded ahuudant fruit for some years, as the former owner of the premises deelared to me, and my own observation and enjoyment of its fruit confirmed. Stating this circumstance to Mr. Abel Keise, of Manor township, Lancaster co., Pa., he informed me that he experienced precisely the same result, having found a vine 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 his dwelling, where it flourished, flowered, but remained barren, a male vine ever sinee? Why?

I have a vine now, raised from a raisin seed, that flowers annually, hut uever 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 counter 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 fine 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 it. This latter ease (since I cannot doubt the veracity 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 hearing vines and

The grape vine is somewhat peculiar, as it yields often on the same vine perfect flowers, that is, having 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 diœcious. This diversity, I 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 subjected each kind to a close inspection uuder the microscope, to see whether I could detect any change of condition in the tissues or woody fihres. I came to the conclusion that those branches which hore perfect flowers had both a healthy pith and medullary sheath. The stammate only showed a defective pith or central axis, discolored or rather yellowish. In those that were pistillate only, awarding the first prize to the Concord Grapc, the medullary sheath seemed discolored; and is approved by the Iowa Horticultural Society.

branehes that bear no flower stalk may be defeetive hoth in the pith and medullary sheath, and such I am inclined to believe is the case.

I will not attempt a discourse on structural botany and the seienee respecting the floral organs modified or metaniorphosed, or the alternation of the floral organs, as comporting with the seience of Phyllotaxis, wheu the leaves are opposite or verticillated and alternate, on the assumption that the arrangement of the leaves show a spiral formation or diseursating in vertieals, &c. Nevertheless, it may be interesting to some of your readers to of men of high repute, as regards the pith of plants and its functions. The medullary sheath, surrounding the pith, has rays which seem to serve to keep up the communication betweeu the pith and the hark, which, single or comhined, may bear a certain relation to the scieuce of Phyllotaxis, as well as to the suppression or ehange in the floral organs, as intimated.

The pith seems only a modification of the original pulp, and the same hypothesis that aecounts for the formation of the one, will apply to the other, hut the pith and pulp, or parenehyma, are ultimately converted iuto organs essentially distinct from one another, though phytologists have been much puzzled to assign to each its respective functions. A vulgar error prevailed at one time, that the function of fruit, and that a tree deprived of its pith would produce fruit without a stone. This goes quite too far, hut nevertheless has a significance that is worthy of further investigation. The pith may be considered analogous to the heart and hrain of animals, as advocated by Malpighi, who believed it to be a kind of viscera iu which the plant, and for the protrusion of future buds. fruit, hut not the wood. Du Hamel regarded saune Autumnal warmth for the perfect mait merely as an extension of the pulp or cellular tissue, without being destined to form auy important function in the process of vegetation. Linnæus was of opinion that it produced even the wood, regarding it not only as the 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 life. Thus eminent physiologists disagree. Mr. Lindsay of Jamaica, suggested a new opinion on the subject, regarding it as the seat of the irritability of the leaves of the Mimosa; aud Sir J. E. Smith says he can see nothing to becca. invalidate the arguments on which this opiniou

of perspiration. I refer briefly to these remarks to show that the peculiar function of the pith is not satisfactorily ascertained. It may safely be affirmed that the pith is essential to vegetation in all its stages, and may he considered to be au organ of elahoratiou, hoth as respects the sap and fluctification, and that the medullary sheath, surrounding the pith as the stamens do the germ, is intimately connected with the functions of the pith, as it is with that of the bark and pyllotaxis.

is founded. Plenck and Knight regard it as

to supply the leaves when exhausted hy excess

If my observations will prove to be universally 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 only, 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 object heing rather to call the atten- grapes was exhibited than had ever before gladtion of grape growers to the subject of male and female grape vines, than to give a dissertation on the physiology of the grape vine. My object is to collect facts, from which legitimate deductions may be drawn, and hope to hear from others on the subject.

April, 1867.

THE decision of the "Greeley Committee,"

# THE FOREIGN AND NATIVE VINE COM-

Written for the Farm and Fireside, BY J. S. LIPPENCOTT, HADDONFIELD, N. J.

In a former paper we endeavored to show that the native grape viue, in the open air, and the foreign vine under glass, were placed nuder diverse conditions; and that these arose simply from their atmospheric surroundings; differing widely in the proportions of watery vapor held therein.

It is well known to intelligent growers of know some of the expressions and opinions the European vine, that it is not the eold of our Winters, nor the heat of our Summers, iu the middle latitudes, at least, of the United States, that offer the greatest impediment to the growth of the Black Hamburg, Chasselas, &e., out of doors in the open horder. In seasons in whieb the due proportion of moisture is present, good erops of these fine varieties have been grown in the open air; but if the next season has been dry, the leaves have fallen; the fruit has shrivelled; and frequently the year following has found the plants injured heyond recovery. Even the most he ascertained. We can tell not only wbother favored aspects in the city of Philadelphia, will not permit the continued growth of the foreign vine out of doors, as we have learned by personal experiment, in several instances.

Most of our native varieties, when grown in the pith was that of generating the stone of the vineyard, exposed to drying winds of our Summers, or to the sudden cold of our varying June, July and August nights, suffer in the same manner as does the foreign vine, as we have observed by comparison of effects upon both, under the same influences, side by side. The constitutions of the European and American grape vines have much in common. They the sap was elaborated for the nourishment of open their huds under the same temperature in Spring, require the same increments of Magnol thought that it produced the flower and Summer heats for their healthy growth, the turation. They also demand the presence of greater or less proportions of moisture around them at critical periods, and a considerable quantity at all times; though, in these respeets, the foreign vine is not disposed to endure extremes so well as does its less refined brother of the West; and the less refined, the more enduring among our natives, as is shown hy the comparatively healthy growth of the Concord and Clinton, aud the pre-eminent sensibility to atmospheric changes exhibited by the Catawha, the Delaware and the Re-

In Europe, the vine has been known for ages to have been peculiarly the growth of destined by nature to be a reservoir of moisture idefinite climatic conditions, and its zones have been pretty accurately defined.\* The same appears to he the ease with American native vines, and its zones, † if successful culture could he as clearly defined, were the conditions of moisture in the air the same as those of Western Europe, or as constant in their proportious, and the climate as equable, or as free from extremes here as in the Westeru States of Europe. Even in the "Land of the Vine," all seasons are not alike propitious, and are extensive districts where the vine may he 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 succeeded by a season of extraordinary yield, repairing the loss of former years. But here the loss of the crop is accompanied by loss of the leaf, and consequent enfeebling of the plant, so that it seldom bears again.

> The season of 1863 was very propitious to the vine in many parts of the United States, and held out promises of success in the growth of many new varieties of grapes. The vines were young, had grown admirahly even, in consequence of a combination of circumstances dened our eyes, or filled us "with visions of the to he." The three following years told auother tale over a large part of the interior of the Northern States. The favoring circumstances did not attend at our bidding; the viues having grown well the preceding season, did their hest in 1864; they observed the call of temperature to the degree pre-arranged for their awakening; they spread their leaves and opened their bloom at the appointed time and

\*See Agricultural Department Report for 1863, pp. 490-491.

promised still better than in the past; and that promise would have been fulfilled had there uot eome on the wings of the Westerly wind a blast which struck the tender leaves, shrunk up their expanding growths, lapped up with its thirsty 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 thin, 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; except the Concord and Clinton, which we eonsider scarcely worth retaining in our grounds.

It may he asked "how do you know that the air was thus dry, in each of these seasons, and that this dryness was the teuding or predisposing cause of our failure?" We answer that the dryness or moisture of the air, can be as readily determined as can its temperature 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 that 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 extreme, 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 in the interior districts, we would not have so much cause to deplore them; hut unfortunately, these extremes of dryness and consequeut sudden reduction of temperature, this aecompaniment, is no new thing over a greater part of the Northern States, East of the Rocky Mountains. This periodical dryuess of the air appears to be the rule; is the difficulty we labor under in our climate as respects the cultivation of the grape in the vineyard. It uo doubt serves mauy useful purposes. It may enable the farmer to grow a erop of Indian corn in much higher latitudes than he could otherwise perfect it, as it is an accompaniment also of high heat. It may enable him to bring to perfection many other semi-tropical plants in districts where they could not he grown, such as the sweet potato, sorghum, &c., but it renders our climate one of extremes, and unfits it, when these extremes most prevail, for the profitable culture of the vine, either foreign or native.

In another paper we may exhibit an array of facts and experiences showing that there cultivated with promise of success; and that it may not there be considered a failure, though I apprehend that the interior districts, removed from the influeuces which temper their extremes, will never prove worthy of being classed among the wine regions of America.

April, 1867.

COLD GRAPERY. - April is usually the month for uncovering and putting up the vines. In order to insure an even hreaking of the buds along the whole length of the vine, it is not highly favorable; a greater product of superior 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 long, the vine may be put in place. Fork over the iuside borders, and syringe the house thoroughly. If any injury has happened to the vines in winter, the vine must be cut back, and a strong lower shoot selected to be trained in place of the vine cut away.—Agriculturist



NEVER IDLE.—The good farmer canuot be a loafer, and thrive. Pruning, draining, killing weeds, making walls, getting out muck, preparing the manure heap, cutting bushes and cleaning up around the walls; battening up the cracks of the old barn to keep the cattle and horses from freezing; giving the swine a warm pen; allowing no leaks, if a shingle can he found, and no hroken panes for the ornamental work of old hats and rags, if a square of glass can be obtained, are a few of the fair weather jobs which claim his attention during the recess of the harvest seasons. The foul weather jobs are nearly as numerous, and their claims nearly as urgent on the attention of every tidy, thriving farmer.







# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, APRIL 20, 1867.

AGEIOULTURE feeds us; to a great exlent il clothes us; with out it we could not have manufactures, and should not have com-merce. These all stand together like pillurs in a cluster—the largest in the center, and that largest is Agriculture.—DANIER WEBSTER.

#### RICE GROWING ON THE PACIFIC.

No State bas made greater progress in agriculture within the past ten years than California. Her grain fields are a marvel even to her own citizens, and her wheat crop promises to be more valuable than her gold productions. 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. This fact is rather flattering to the pioneer farmers on the Pacific, and alike complimentary to American agriculture.

But the Californians are not satisfied with raising the best wheat in the world, and are now turning their attention to the cultivation of rice. The "Farmer," published at San Francisco, says a species of "high land rice" (probably a Japan variety), has been grown at Antioch, and other parts of the State, and urges the importance 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 favorable soil, they bave a Chinese population familiar with the culture of rice; a class that 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 flood the crop at certain stages of growth; and so they would have to do in California if they cultivated the same variety. Small crops can be grown any where south of the 35th parallel, provided it is properly irrigated. "Highland Rice," like "Upland Cranberries," we suspect, are profitable crops 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 once more with the diversities of our country; of the varieties of its soil; of its multitudinous geological formations; of its different 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 than they are East of the Rocky Mountains. While we have frost, snow and almost Arctic winds, our neighbors on the Pacific have days of genial sunshine, pattering showers and garden luxuries. Again, while we are making onrselves comfortable around anthracite and wood fires, our friends on the Gulf of Mexico are luxuriating on tropical fruits; are sporting snn-shades and palm-leaf hats, and are grateful for the shadow of a building or the shade of the forests. No nation has greater diversity of climate or of productions. In the language of flowery oratory, "God's great ploughshare is running all the year round in these United States-subsoiling and ameliorating our fields and covering them with golden harvests."

The Curculio.—It seems to be the belief of Dr. Trimble, Dr. Asa Fitch, Mr. Walsh, and others familiar with the babits of insects infesting our fruit trees, that the chrenlio breeds in the cherry, and the great bulk of the eggs so deposited will come to matnrity unless artificially destroyed. For this reason cherry trees, standing alone in ont-of-the-way places, should be cut down, and all punctured frnit should be destroyed.

CLUBBING WITH THE FARM AND FIRESIDE. -Iu reply to the numerous inquiries from our with the volume.

#### SEASONABLE HINTS.

Plant a few rows of peas at intervals of ten days apart throughout the month. You can thus continue the supply for family use or for the market far into the Summer. Sow radish seed weekly, so that you may have them crisp. If you have eelery plants grown, and of suflicient size, set them out. Trim off the old wood from gooseberries and currants; dig in around the bulbs some well-rotted manure.-If you desire to form new beds, insert your cuttings ten or twelve inches apart, in rows two feet apart. The Cherry and White Grape Currants are the best. The Houghton and American Scedling Gooseberries never mildew.

Finish up all the preparatory work in the flower garden. Have plenty of roses, especplanting. The China sorts bloom all Summer. Fransplaut hardy annuals, but if the nights are still cool, keep the tender ones under glass .-Set out bulbs of Gladiolus and Japan Lilies .-If the soil of the borders is poor, fork in some rich compost.

If you have not pruned your garden fruit rees, and if they really need pruning, attend to it at once. If your trees received from the nursery are shrivelled, bury them, root and branch, until the bark becomes plump. If any have started in the package, cut them back senot started. Grafting may be done as soon as the buds begin to swell. Root grafts can now be planted in nursery rows. Old orchards can be rejuvenated by generous cultivation and manuring.

Feed your horses regularly, and work them regularly, allowing them long "noons." Bed eows that are near calving, freely; give roomy stalls; a good sunning daily, and some roots if possible. Encourage milk secretion in new milch heifers by milking thrice a day. Give ewes at yeaning time warm sheds and sunny yards. Be on the look out for chilled or feeble

THE ROBIN IN JUDGMENT.—In nursery legends the absorbing question used to be, "who killed Coek Robin?" The question at present, with us, is whether the robiu is more "ornamental than useful"-wbether "his room is to be preferred to his company." Mr. J. N. Martin, of Barrington, R. I., writes to us that he agrees with Mr. J. W. Mathewson in considering the robin a nuisance and a pest. Other contributors range themselves pro and con in the issue. Mr. Elisha Slade, of Somerset, Mass., says, in the Agricultural Reports for 1865: "I know that the robin (Turdus Migratorius) devours innumerable quantities of flies and their maggots." Our contributor S. S. R., of Lancaster, Pa., has lately turned bis attention to insectiverous birds. Can we not engage him, in this trial, as an attorney in behalf of master Robin?

LANGUISHING EVERGREENS.-No body likes to see the evergreens around their dwellings languishing. In such eases it will be found, upon examination, that the ground is too dry aud gravelly. Evergreens thrive best in moist, loamy soil, such as is natural to the mountains where they grow. The evil can be obviated by trenching, and working in peat or muck. The American Agriculturist says that the soil should be kept cultivated around all hedges and evergreens for several years after planting, and when well established, should be well enriched with manure.

LARGE SALE OF SHORT-HORNED CATTLE.-James O. Sheldon, of Geneva, N. Y., recently purchased of Samuel Thorne, Duchess county, N. Y., forty bead of Short-Horned cattle, for forty thousand dollars. This is the largest single sale of this breed of cattle that was ever made in this country.

EMPIRE SHEEP FAIR .- The Third Annual Fair of the "New York State Sheep Breeders and Wool Growers' Association," is to be held friends of the Press, we state that we will club at Auburn, May 8th and 10th. Premiums are onr journal with theirs, at one dollar and fifty offered on fine Delaine wool lambs; also on prizes range from three to forty dollars.

#### PEACH PROSPECTS.

Information from Delaware leads us to believe that peach buds, in Kent county, have been partially destroyed. From New Castle county, we have more favorable reports; also from the Eastern shore of Maryland, We know that it is eustomary for similar reports to originate with unprincipled growers of the peach, about this season of the year. But the above information can be relied upon.

Coleman's Rural World, published at St. Louis, Missouri, tells a gloomy tale of peach prospects in that State; but speaks favorably of the coming crop in Southern Illinois. The following extract is from the above named Journal, April 1st.

The peach buds North of the latitude of St. ially the ever-blooming sort; cut back well at 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 vicinity of St. Louis are quite seriously damaged, and will probably produce no perfect fruit, as the Curculio will take what the frost has left. The buds are more than half killed in Southern Illinois.

On the morning of the 14th of Mareb, at our residence, five miles west of St. Louis, verely. Cions may be cut if the buds have the thermometer stood 4° below zero. This degree of cold would not have affected the buds-but for several days of warm weather, about ten days before, which had so expanded the most forward buds, as to render them an easy prey to the frost.

> COTTON CROP FOR 1867.—A gentleman of intelligence and observation, recently returned from a tour through South Carolina, Georgia, Alabama and 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 thousands of planters who were discouraged by the abolition of Slavery, and thought cotton planting destroyed by freeing the bondmen, have materially changed their views, and have extended their operations in cotton. Iustead of freedom injuring the productive industry of the South, the agriculturists there will find it will promote their prosperity, and add immensely to the aggregate wealth and prosperity of the nation.

> PREVENTION OF CRUELTY TO ANIMALS, -The Pennsylvania Legislature has incorporated a society to prevent eruelty to animals. This is a cheerful item to the bumane and merciful. Similar societies exist in various States, their object being to enlist the sympathies of people who are cognizant of cruelty to dumb beastsover-driven horses, over-worked and abused animals of all kinds. Let the wicked and unmerciful owners and workers of borses, mules, cattle, &c., be severely pnnished. No poor, sorrowful, abused borse will say neigh to this

SALE OF A FAMOUS SHORT HORN.—George P. Plunkett, of Hinsdale, Mass., has purchased of Samuel Thorn of Duchess county, N. Y., the 6th Duke of Thorndale," for \$5000. This bull stood at the head of a herd of forty which has just been sold at an average price of over \$1000 per auimal, and is considered the best Short Horn ever bred in the United States.

In Blossom.—Peach and Apricot trees were on the 12th of April. The Spring has been rather backward, but the fruit prospect is good.

Three villages in Maine have this Spring purchased from one nursery firm in that State, three thousand dollars worth of fruit trees. A commendable interest in fruit tree planting is being developed all over the country.

Wash for Trees.—The Horticulturist says that "one pound of potash to six gallons of the center is approximated. The starch, near water is a good wash to apply to trees on the surface, contains the nutriment-which is whose bodies or limbs are insects, moss, etc."

The California Farmer says that nursery cents per annum. Subscriptions to commence long-wooled and middle-wooled sheep. The lone are doing a good business in that State, as there is a general desire to improve everywhere. Ithat State was never more promising.

PENNSYLVANIA HORTICULTURAL SOCIETY .-The new hall of this society will be completed by the middle of May. It is a magnificent structure, located on South Broad street, Philadelphia, adjoining the Academy of Music. The building is 75 feet wide, and 200 feet in depth. The hall will be one of the finest in the country-well adapted to horticultural displays, also for concerts, particular attention having been given to ventilation and acoustic effect.

The dedication of this building will be in May; and on the 29th of that month, a grand Horticultural Bazaar will be opened for the sale of plants, fruist, flowers and vegetables. This affair will be under the especial eare and influence of the ladies of the society, who are earnestly at work to render this one of the most extensive and magnificent Horticultural Fairs ever held in this country. Aid and contributions are solicited from all our floral friends and vegetable producers.

FRUITS OF SECESSION.—In Georgia, in 1866, the value of land was estimated at \$103,112,-624, and the total value of all property, real and personal, at \$222,183,787, a decrease since 1860, of \$148,444,135, without taking into consideration the value of the slaves who were emancipated. In 1860 the total value of property, in Georgia, including the slaves, was \$1,-008,485,165.

Twenty-five farms have been sold in one section of Alabama, for the low price of \$1 per acre. A failure of crops caused creditors to force sales. One of the sales thus made was a plantation of 600 acres for \$600. Before the war its owner possessed three hundred and fifty slaves and forty horses.

DELAWARE AGRICULTURAL COLLEGE, -The State of Delaware, with commendable energy, is placing her Agricultural College in a right position. The board of Trustees of the State College, at Newark, have proposed to convey to the State an interest in the buildings, grounds, library etc., on condition that the 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 anticipate a reorganization of the college, and progress thereafter.

Work on the farm, when rightly directed, is full of interest, and produces satisfactory results. The farmer is not only a consumer, but he is also a producer, and therefore a benefactor of the human race. The prosperity of this country greatly depends on the development of agriculture. Paralyze this arm and what would be the result? The wheels of the manufacturer would stop, the merchants' doors would be closed, the sails that whiten every avenue of commerce would be furled, and prosperity would be at an end, not to be revived until the revival of that power which creates the wealth of the world, viz., agriculture.

THE QUINCE ON THE THORN.—A correspondent of one of our exchanges describes a specimen of quinee grafted on the Thorn as being 12 or 15 feet high, and 6 or 8 inches through the stem, the quinces being at the top and centre of the tree, protected from marauders by their position and the thorny defences of in full blossom in the vicinity of Philadelphia, their adopted parent. It is said the Thorn is never attacked by the borer, that dreaded enemy of the fruit grower.

> Paring Potatoes.—Many persons, in preparing potatoes for cooking, pare off a thick slice from the surface, instead of digging out the eyes. Prof. Blot, in his lectures on the potato, says this skinning process is all wrotig, as the strength of the vegetable lies near the snrface—the starch growing less abundant as not more than seven or eight per cent.-the balance being mainly water.

GEORGIA papers say that the wheat crop in



Move Towards a Better Life.—Do not keep your boys corn shelling all the long winter evenings. Make your farm a place that your sons and daughters cannot help loving. Cultivate the trees—they are God's messengers. Don't say that you care nothing for looks. You do care, else why did you build that two-story white house, with blinds, and enpola into which you never go? Or why did you, years ago, carefully brush your coat and pluck up your shirt collar when you were starting, on a Sunday evening, to visit that good woman who now shares your home? It will canse your wife to be more contented, your children to remain more in the house, and contribute immeasurably to your own bappiness. Such is the experience in homes of this character.







# The Fireside Muse.

#### SABBATH IN THE COUNTRY.

The creaking wagon's in the shed, The busy flail is heard no more; The horse is littered down and fed, The harness hangs above his head, The whip hehind the door.

His leathern gloves and hooked hill The blacksmith's fiery forge is still, The wooden wheel of the old mill Sleeps on the mill-dam wide.

The miller's hoat is anchored where Far out the water lillies sleep; You see their shadows mirrored there The broad white flowers reflected clear, Within the mill pond deep.

The harrow's in the garden shed, Hoe, rake, and spade are put away; Unweeded stands the onion bed, The gardener from his work hath fled; 'Tis holy Sahhath day.

Upon the wall the white cat sleeps, By which the churn and milk-pans lie; A drowsy watch the house dog keeps And scarcely from his dull eye peeps Upon the passer-hy.

And sweetly over hill and dale,

The silver-sounding church-bells ring; Across the moor and down the dale They come and go, and on the gale Their Sahbath tidings fling.

From where the white-washed "Sunday school Peeps out between the poplars dim, Which ever throw their shadows cool Far out upon the rushy pool, You hear the Sabbath hymn

# Fireside Tale.

#### HOE OUT YOUR ROW.

BY MRS. N. M'OONAUGHY.

THE youngest son stood with his rair bride upon 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 nsefnlness in the world. Perhaps there was a little dimness in the old man's eye, and may be a little tremor in the old man's voice, as he spoke the farewell words. But he took from the old side cup-hoard his parting gift-a hright, new hoe-and as he placed it in the hand of the youth, the accompanying admonition sounded cheerily 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 hand of bis son, and stooped down to kiss the cheek of his fair, new danghter; while mother basied herself with the dozen "last things," which every oue but a mother forgets. The lingering farewells were all said at last, and the old coach rolled away with the two hopeful, snnny hearts entering bife's bright and beautiful Sum-

The old homestead seemed deserted and drear as a last year's nest. The aged pair sat down by their own hearthstone alone, as when in from their distant homes. they begnn life together. How these old walls had ruug to the sound of childhood's mirth, and childhood'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 all one bright future, with the rainbow of hope arching all their plans and projects.

Their Western home was an humble oue, content. and plenty of work for willing hands within it. The young farmer's chief capital was his strong arm and stout heart, and the sound upon her. "Grandma must not stir from her working-day principles he had been taught from childhood. Sometimes he grew dis- Indeed, it would be hard for her to accomplish couraged at the prospect of paying for the much with so many little rnn-aways under her land he worked-bnt he was sure to meet with hearty encouragement and words of mnst continually be observed and commented cheer from Ellen; a glance, too, at the part- on. ing gift of his father, as it stood on the mantle in the family room, was as good as a sermou fire was burning in the open fire-place, as all health are six: First, Keep warm. Second, any day. There it stood, ever ready to give were seated in the old home room. encouragement or admonition, as the case might be. Strangers might think it a curious ornament for a chimney-piece, hut it was soon haired father, said:

brightness.

"Ellen, it is no use trying," said George, one evening, quite despondingly, as he turned boe, with the injunction, "Hoe out your away from some figures he had been making on a scrap of paper, "I can't make out the rections and the lessons of industry, perseverpayment this week, and I may as well give it ance, Christian iutegrity and self-denial, you

up."
Ellen looked up cheerfully from her work, and nodded toward the mantle.

"I have hoed and hoed, but this row is too mncb for me. The wool will pay the next inthese fifty dollars are to come from, that I need him. 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 without for a time, dear. A home is a great deal more important to us now than any table luxury. Besides you shall not suffer. These little self-denials, you know, are almost unavoidable, if we would fairly hoe out our

George, like a sensible man, took bis wife's advice, and the satisfaction he felt, as he paid down the money promptly and took his receipt, far exceeded that which any table enjoyment could afford him.

Ellen ransacked ber memory for economical Debby's golden butter and yellow cream; 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

Steadily onward he hoed bis row until the place was all bis own. The old home had put on a new face ont-doors and in. There were little ones tramp off to bed." 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 agricultural papers on the broad shelf of the little library, and a choice selection of miscellaneons boeks ahove them. There were little tasteful appointments here and there, about the chcerful sittingroom, but the bright boe was never displaced by any gem or crystal. The pretty shell-frame pictures might look down npon it, if they chose; it could not be looked out of coun-

George was respected and known by all bis neighbors, and the stranger who shared but for a night the generous hospitality of his broad bearthstone, went away to speak, years after, of the pleasant bours he spent there; and the 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 household, and it is that alone "wbich maketh rich, and He addeth no sorrow with it.'

Years sped apace, when one ruddy October, a circular antograph letter went round the circle of brothers, bidding them all come to the golden wedding. And the call gathered them

There was a racket of merry, youthful voices, as the grandchildren romped through the old halls; hut grandfather's face was brimfnl of smiles; and grandma's pet and namesake, gentle, dignified Grace, took the reins of government into her hands, so all moved on most barmoulonsly, relieving mother of all care, and leaving them to chat to their heart's

Carrie was the daughter-in-law who lived nearest home, so the care of the feast fell rocking-chair" until all was upon the table. feet all the time, whose manifold perfections

The evening lamp was lighted, and a little

William, the eldest born, stepped forth from the little group, and, advancing to his grey-

regarded as one of the housebold treasures. I "It is twenty-two years since the first of us Hall.

Dust or rnst were never suffered to mar its went forth from this roof to make his way in the world. As each, in turn, took his departure, you presented to him a bright, new row." How well we have followed your dihave always taught, by your words and by your life, it remains for you to jndge. As a token that we have not forgotten your teachings, in the name of my brothers and myself, I present this hoe to you," and with a how he stallment, and the crops the next; but where laid it down upon the little ronnd stand before

The old man dropped his head, and the tbin hairs fell about his temples as he simply said, with choking voice:

"God bless the boys!"

"Mother," said Ralph, advancing to her side, "we all know that you would not desire any gifts of jewels and golden ornaments, such as arc common on these occasions. But we thought the contents of this little box might add some comforts to your life, which we should delight to bestow, if we were not so widely separated." He placed in her hand a beantiful gilt casket, containing four of the hroadest pieces the mint turns out, with a liberal sprinkling of smaller yellow coins from the little graudchildren.

"Now, father," said Dominie Ned, as he walked up to the stand, "I must give you my wedding present;" and he laid before him his sances and gravies, to take the place of old beantiful copy of the Testament and Psalms, printed in very large, clear type, so grateful to the failing sight of age. In hright, gilt letters on the side were stamped these words:

> "I love Thy commandments above gold yca, ahove fine gold."

"Now, perbaps we had better sing our evening hymn; and after worship, let the

The patriarcb knelt among his flock, and the prayer, from bis full heart, for God's blessa fine young orchard was blossoming on the ing 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 himself as a physician. But after due waiting, the "first patient" came at last, and the second, aud so on, nntil 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 he went along.

George and Ralph 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 you wish your boys and girls to grow up nseful, honorable and happy, teach them faithfully "to hoe out their row."—Peterson's Mag-

# Fireside Miscellany.

AT Indianapolis recently, an "intelligent" family, who were at an evening party, and innally, concluding that no one was at bome, he returned.

THE SECRETS OF HEALTH. -The secrets of Eat regularly and slow. Third, Maintain regular daily bodily habits. Fonrth, Take early and very light suppers. Fifth, Keep a clean skin. Sixth, Get plenty of sleep at night.-

#### THINGS WISE AND OTHERWISE

LEE, Beauregard, Johnston and Longstreet have a new mission—submission.

An exchange calls Russian America a ripe apple ready to fall into the hands of this country. A Seward cede-ling, we snppose.

The sweetest thing in the botanical line is the following definition of flowers: "Floral apostles, that in dewy splendor weep without woe, and blnsh without a tingle of shame."

A reporter at an agricultural meeting stated that glycerine had been recommended for the 'roofs of houses," to keep them from splitting in cold weather. He ought to have said "hoofs of horses.'

A Milwaukce paper tells of a hntcher in that city, who killed a cow a few days since, and found a live mud turtle in her stomach. The shell was much cateu by the acid of the stomach, and the turtle lived hnt a few honrs after its 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 forget it.

Artists have adopted different emblems of charity. We wonder none of them ever thought of a piece of Indian rabber, 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 usual in gentlemen's

Josh Billings has been paying some attention to agricultural 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 capable of making from one to three barrels of whisky per day, were made in Cincinnati last year, for the Sonth. "My country, I love the still." The revenue 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 combination—Dollars and sense.

An oil painting of Flora Temple, among the effects of Hiram Woodrnff, was sold at auction for \$305.

A Virginia paper publishes an obituary notice of a horse.

### MANNERS AND MORALS.

Manners easily and rapidly mature into morals. As childhood advances to manhood, the transitiou from bad manners to bad morals is almost imperceptible. Vnlgar and obscene forms of speech keep vulgar and obscene objects before the mind, engender impure images in the imagination and make nnlawful desires prurient. 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, is 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 then language, imagination, desire, and habit bind their victim in the prison-bouse of sin. In this way contraband was told by his employer to take profane language wears away the reverence the carriage and call for the young ladies of the for things sacred and holy; and a child who bas heen allowed to follow, and mock, and structed him to go to the door, ring the bell and hoot at an intemperate man in the streets, is inquire for them. Ahont midnight be returned far more likely to become intemperate himself alone, and on inquiry it was ascertained that than if he had been accustomed to regard him be had taken the dining room bell, and, driving with pity, as a fallen brother, and with sacred to a strange honse, sat in the carriage and rang abhorrence as one self-brutified or demonized. his bell, as he had seen the milkmen do. Fi- So, on the other hand, purity and chasteness of language tend to preserve purity and chasteness of thought and of taste; they repel licentious imaginings; they delight in the unsnllied and the untainted, and all their tendencies and aptitudes are on the side of virtue .-Horace Mann.

> Longfellow says that "Sunday is the golden clasp that binds together the volume of the week.'



A Long Will.—A gentleman in Western Virginia, not largely blessed with this world's goods, recently dictated his will, dividing the articles he possessed among his friends, giving to one his coat, another his shoes, another his hat, &c. The will covered over two sheets of foolscap paper, and the total value of the articles bequeathed did not exceed fifty dollars. The Justice of the Peace was occupied for nearly four hours in drawing up the "last will and testament," and when he had completed the task the dying man thanked him kindly, and assured him he would have paid him for his trouble and labor bad not all that he owned been given away by the article just drawn np.







# General Miscellany.

#### AGRICULTURAL ITEMS.

MAPLE oreliards are of great value to farmers. More attention should be paid to growing young maples by nursery culture or otherwise. They readily start from the seed.

The Boston Post says Vermont farmers waste manure enough every year to pay for the breadstuffs that the State gets from the West.

A farmer in Vermont thinks milkweed may be made useful for soiling cows. He says the eows eat them eagerly, and he is of the opinion that they increase the milk.

Upwards of 30,000 barrels of flour are shipped from California monthly—paying the Pacific Mail Steamship Company for freight,

A gentleman, residing near Rochester, N. Y. raised carrots 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 throughout the

It is estimated that there are thirty-two and

Mr. Sullivan Fisk, of Compton, C. E., last potatoes from one aere of ground. Thirty loads of manure were spread on oat stubble in land was again plowed, harrowed, aud furrowed about three inches deep, and three and in a hill, the hills being fifteen inches apart. They were hoed twice in a thorough manner.

Vermont sent 22,968 cattle, 167,013 sheep, and 3360 swine to the Boston markets last year. The Rutland Herald says that Boston gets more for her meat markets from Vermont than from all the other States combined, excepting the Western States.

The Pittsburg Commercial, speaking of the backwardness of the season in that sectiou, 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 received \$7 per quart.

Potatoes were selling in Skowhegau, Me., for 85 eents per bushel on Thursday last, for Western markets. In Eastport they were selling for 60 eeuts last week.

The orange trees of Louisiana are hauging full of blossoms; every branch and twig is crowded to its utmost capacity. If no accident happens by way of frost or drought, the orange trees next Fall will groan under the weight of their golden fruit.

The riehest sugar regions in Louisiana have been ruined by the recent floods.

Wheat sold in Cleveland, Ohio, on Wednesday and Thursday, at \$3,50 per bushel, the highest price ever obtained in that city. At the same time corn was held at \$1,06 per bushel, and oats at 64 eents.

### GRINDING TOOLS.

lack of proper knowledge and practice in pagne, he thought the quantity too small to grinding. All steel, however highly refined, present to his friends, and therefore reserved is composed of individual fibres laid length- the delicious neetar for a private use. Some wise in the bar, held firmly together by eo- time after, when a party was dining with him, hesion, and in almost all farm implements of he longed for a glass of his choice champagne, he cutting kind, the steel portion which forms but could not easily think of a device for leavthe edge, is from a section of a bar, laid in ling the company. On a sudden he assumed a it is the side of the bundle of fibres, ham- with his finger, exclaimed, "I have got one tool square across the stone, the direction of followed Handel to an adjoining room, saw is almost exhaust

the fibres will be changed, so as to present the him enter a closet, embrace his beloved chameuds instead of the side as a cutting edge, pague, and swallow repeated doses. The dis-By grinding in this manner, a finer, smoother eovery communicated infinite mirth to the edge is set, the tool is ground in less time, company, and Handel's toughts became proholds an edge a great deal longer, and is far verbial. less liable to "niek out" and break. Farmers will do well to bear these hints in miud, and aet accordingly always in grinding seythes, eutlery, and knives of reapers and fodder-

#### FLOWERS.

In your flower-beds, if the plants sickened last year, change the soil. Renovated earth is reuewed health to consumptive flowers. Sow annuals as soon as the ground is warm. Too early sowing and deep covering rots seed very often. This is frequently the cause of one's seed being "bad," Prepare flowers in their Winter quarters for the Summer campaign, by inuring to the air before setting out finally. Set out when all danger of frost is over. Dou't set out a plant with a dry ball; but water well in the pot au hour or so before.

Arraugiug flower beds affords room for a display of taste. Narrow thin beds as a rule, have better effects than thick or heavy ones. one-half millions of sheep in the twenty loyal Edgings to beds are common. The evergreen States and two territories. It is supposed that Ivy is good-so is Periwinkle. The varigated, the annual number of lambs will be over twenty large-leaved Periwinkle is a treasure. Dapline encorum is also good-for large beds, Shrubland Pet Rose Geranium is very effective. season raised 525 bushels of Davis Seedling The old tribe Scarlet Geraulums make splendid American bedders, Lord Palmerstou and Stella are two of the best, but yet scarce and high the Fall, and plowed iu. In the Spring, the priced. Lanata, Rosamond, Christine, "Really good," Chance and Lallah, are six of the best bedders. The old Harkaway is an enormous a half feet apart. Large potatoes were cut bloomer, though for the single flower poor into three pieces each, and one piece dropped enough; it is one of the best bedders.—Gardener's Monthly.

> A BEAUTIFUL SENTIMENT.—Shortly before the departure of the lamented Heber for India, he preached a sermon which contained this beautiful illustratiou:

> "Life bears us on like the stream of a mighty river. Our boat at first glides down the mighty ehannel-through the playful murmurings of the little brook and the windings of its grassy borders. The trees shed their blossoms over our young heads; the flowers seem to offer themselves to the young hands; we are happy in hope, and grasp eagerly at the beauties around us, but the stream hurries on, and still our hands are empty. Our course in youth and manhood is along a deeper and wider flood, among objects more striking and magnificent. 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 joys and our griefs are alike left behind us. We 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 ears, and the tossing of the waves is beneath our feet, and the floods are lifted up around us, and we take our leave of earth and its inhabitants, until of our future voyage there is no witness save the Infinite and Eternal."

ANECDOTE OF HANDEL.-Handel, whose divine compositions seem to have proceeded from a heart glowing with the fire of a scraph, was, notwithstanding, what some would call rather a gross mortal, siuce he placed no small More than half the wear and tear, break- happiness in eating and drinking. Having rege, and bother of dull tools, comes from a feeived a present of a dozen of superior cham- WEEKLY REVIEW OF THE NEW YORK and welded to the iron longitudinally; so that musing attitude, and, striking his forehead mered and ground down, that forms the edge. | tought! I have got one tought!" meaning Hence, by holding on the grindstone all edge- "thought." The company, imagining that he tools, as axes, drawing-knives, knives of reap- had gone to commit to paper some divine ers, seythes, knives of straw-cutters, &c., in idea, saw him depart with silent admiration. such a manner that the action of the stone is He turned to his friends, and very soon had a at right angles with the plane of the edge, or, seeond, third, and fourth tought. A wag, susin plainer words, by holding the edge of the peeting the frequency of his St. Ceeilia's visits,

#### Marriages.

In Woonsocket, April 13th, by Rev. Robert Murray, Mr. Jinnes D. Juckson to Miss Elizabeth A. Loomis, both of Blackstone: April 15th, by the snue, Mr. Tbonns J. Dobson to Miss Elizabeth E. French, both of Blackstone.
In Providence, 10th inst., by Rev. Hemnin Lincoln, Mr. Geo. S. Vilbert to Miss Jennie White, all of Providence.
In Pravtucket, 10th Inst., Mr. Albert LeFevre of Providence, Ill., to Miss Harrlet Ruchel Whiting of Reboboth, Mass.; 4th Inst., Mr. Walter S. Gardner to Miss Mary E. Kohinson, both of Pravtucket.

inst., Mr. Walter S. Gardner to Miss Mary E. Rohinson, both of Pawticket,
At Anderson Court House, S. C., 31st ult., Mr. Thomas R. Harking, formerly of Pawticket, to Annie, daughter of Governor Orr of South Carolina.
In Webster, Mass. April 3d, by Rev. Mr. Kendall, Mr. William H. Fisk of North Schuate, R. I., to Miss Mary E. Paulk of Dudley; March 23, Alpril 2th, Erancis Edmunds to Miss Anha Barnes, april 11th, Francis Edmunds to Miss Anna Barnes, In Milbury, 1th Inst., Mr. E. W. Trusk of Leicester, to Miss In Putnam, Conn., April 6th, Mr. Erastus N. Perrin to Mrs. Corlella A. Follensber; Mr. James W. Burton to Miss Sarah Harrey, both of Putnam.

#### Deaths.

In Woonsucket, 11th Instant, John Bartlett, aged 68 years, 17th Instant, Horace D. only son of Dnniel N. and Electa B. Paine, aged 28 years. [Funeral this day at half past one o'clock, P. M., in the Congregational church, Globe side. Relatives and frienda are invited to intend. 11th Instant, David, only son of Mr. S. A. Aldirich, aged — years.

In Sauthineld, 13th Instant, Mrs. Dianna Brown, aged 49 years.

In Etna, Minnesota, Mirch 31st, Ansel P., son of Dea. Hird Holman, of Forestade, R. I., in the 21st year of his age.

In Burrillville, the 16th Instant, Mrs. Martba Cook, widow of the late Nathan Cook, aged 65 years, Il months, and 24 days.

[Funeral Friday at 11 o'clock, trom Union Church, Mobegan, Relatives and triends are invited to attend. New York papers plense copy.

Relatives and triends are invited to attend. New York papers pelense copy.

In Lonsdale, on the 14th Instant, Onslow Earle, youngest son of Jeremiah and Mary A. Robbins, aged 1 year, 2 weeks and 4 days Falls, 7th instant, Miss Evelina Cook, in the 77th year of her age.

In Pawtucket, 16th instant, Mrs. Vienna Keene, in the 73d year of her age.

On the 23th ultimo, Philander Baker, in the 59th year of his age. On the 28th ultimo, Miss Lucy Steele, daughter of Henry and Sarah Cook, aged 26 years. 15th inst. Stephen R. Clark, aged 67 years.

In Providence, 14th Instant, Marietta, wife of Dr. Peleg Clarke, formerly of Coventry, in the 79th year of her age. 11th instant, Dr. John Tripp, aged 50 years. 15th bistaut, Emma Torrey, daughter of Kev. D. H. and Loulsa B. Ela, aged 10 months. 16th instant, Isaac H. Cady, aged 67 years.

In East Douglas, April 11th, Charles Hutchins, Esq., in his 554 year.

In Killingly, Conn., March 26th, Eleazer Moffitt, aged 71 years.

In East Dougias, April 11th, Charles Hutchins, Esq., in nis 554 year.

In Killingly, Conn., March 26th, Eleazer Mohltt, aged 71 years. March 19th, Miss Susannah Carpenter, aged 26 years.

In Putnam, Conn., March 25th, Carrie Hazzard, daughter of Joseph and Alice Hazzard, aged 21 years. March 20th, wife of Daniel Whitmore, aged 45 years.

In Lisbon, Ct., 29th ultimo, Silas Reade, aged 83 years. He was the fifth generation that has lived and died out the same farm—the first settler, Josiab Reade, baving purchased the land of Owaneco, the brother of Uncas, in 1895.

In Bucksport, Me., 31st ult., Mr. James Buck, father of Rev. E. A. Buck, of Slatersville, aged 79 years, 6 months.

# The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending April 19, 1867.] FARM PRODUCTS, FUEL, &c.

Hay ₩ ton\$38	Wood 29 cord\$6a9 50			
Straw 2 ton	Beans #8 quart			
Straw 3 ton\$20 Coal 3 ton\$10 50a12 50	Potatoes			
Oats hush85a90c	Onlone			
Ours & masu	Ontons			
GROCER	ies, &c.			
Flour\$11a17 00	Raisins			
Corn Meal	Molasses & gal			
Rye \$1 50	Y. H. Tea\$1 20			
Saleratus	Black Tea			
Kerosepe Oil	Oll # gal \$1 00			
Cbeese ₩ tb	Fluid Waal \$1 (6			
Butter # 1b40, 42a45c	Candlug 2J lb 95050			
Codtisb8c	Fage B. doz 20			
Java Coffee # 1b25a50c	Lagge 10 dozini i i i i i i i i i i i i i i i i i i			
Maglacust many	Lard & III			
Mackerel, new10a12c	Sugar to			
· MEAT	s, &c.			
Beef Steak	Hams			
Beef, corned12s16c	Poultry offang			
Tongues, clear25c	Shoulders 156			
Mutton12a16c	Saucarag			
Veal16a20c	Tring 10			
Pork, fresh	Powls only			
1014, 110011	1016, SAIL			
_				

### BRIGHTON CATTLE MARKET.

April 17, 1867.

At market for the current week: Cattle, 1413; Sheep and Lambs 3000. Swine, 800. PRIOES. Eeef Cattle—Extra, \$13, \$13@\$14.50; first quality, \$12.00@\$13.50; second quality, \$11.75@\$12.00; third quality, \$10.50@\$11.75 \$100 ibs (the total weight of hides, tallow and

dressed beef.) Country Hides.9년@9c 및 lb. Country Tallow 6년@7c 및 lb. Brighton Hides.9년@10c. 및 lb: Brighton Tallow, 7년@9c 된 lb.

Brighton Hides, \$26,000. G ib. Brighton Added to \$20. \$20. \$200. \$

ement in flour has continued, and there has been a vance of fifty ceuts ton dollar n barrel. The ad-ses have checked consumption. The stock has heen need, and with the moderate arrivals in prospect the upward at the close. A good business has been ffornla and Oregon flour, which is becoming popular ade. Rye flour has been in brisk demand at a mate-te, and is now largely taken as a substitute for wheat a procel has raised outs but the same is limited. argely taken as a substitute for whe

i meal has ruled quiet, but the supply is mustewed substanced.

s thicknated somewhat, although prices are higher particularly for white wheat, which has been taken notice large sales of California and Oregon at \$5,-closing at the extreme rates. The stock here is result one million bushels sound wheat. There is also the interior spring here which is unsafable: Rye has been, with a large business, and closes strong. The need to \$29,000 bushels, which is large for the senson. Barley has been in fair demand, and sold at ir. sees. Bonded has improved, while free has declined, a reduced to less than 600,000 bushels.

nushels. Freely, fluctuated rapidly, and has de-n the demand bas been quite spirited, ss. Beef has advauced, and the stock

# Hew York.

# Great American Tea Company.

# THE IMMENSE PROFITS

#### TRADE. TEA

THE PROPERLYORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were raying too many and too consumers of the and collee were raying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COMPANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our renders an idea of the profits which have been made in the Tea trade, we will start with the American houses,

eaving out of the account entirely the profits of the Chinese

lst. The American House in China or Japan makes large profits on their safes or shipments—and some of the richest retried merchants in this country have made their immense fortunes through their houses in China.

26. The Banker makes large profits apon the foreign exhange used in the purchase of Teas.

36. The Importer makes a profit of 30 to 50 per cent in many asses.

30. The Importer makes a profit of 30 to 50 per cent In ronny cases.

4th. On its arrival it is sold by the enrgo, and the Purchase sells to the Speculator in involces of 1,000 to 2,000 packages, at an average profit of about 10 per cent, bth. The Speculator sells to the Wholesale Tea Dealer In lines at a profit of 10 to 15 per cent, bth. The Wholesale Tea Dealer sells it to the Wholesale Grocer In lots to suit the trade, at a profit of about 10 per cent, 7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent, at the The Retailer sells it to the Consumer for all the profit he can get.

When you have added to these EIGHT profits as many brokerges, cartages, storages, coopernges, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show wby we can sell so very much lower than small dealers.

We propose to do away with all these various profits and brokerages, curtages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our

orrespondents in China and Japan, one cartage, and a small rofit to ourselves—which, on our large sales, will amply pny us. Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Ware-

uses in this city. lub. The answer is simply this: Let each person wishing to oin in a club say how much ten or coffee he wnnts, and select the kind and price from our Price List, as rublished in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods In separate packages, and mark the name upon them, with the cost, so there need be

no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount order-ed exceeds thirty dollars, we will, if desired, send the goods by

Express, to "collect on deflivery."

Hereafter we will send a complimentary package to the party getting up the club. Cur profits are small, but we will be as liberal as we can afford. We send no complimentary package for Clubs less than \$30.

l'arties getting their Teas from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their tock, which they recommend to meet the wants of Clubs. they are sold at Cargo Frices, the same as the Company sell hem in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

# PRICE LIST :

YOUNG HYSON (Green), \$0c., \$0c., \$1, \$1 10, best \$1 25 \$7 lb.

GREEN TEAS. \$0c., \$0c., \$1, \$1 10, best \$1 25 \$7 lb.

MINED, 70c., \$1c., \$0c., best \$1 \$7 lb.

JAPAN, \$1, \$1 10, hast \$1 25 \$7 lb.

OOLONG (Black), 70c., \$1c., \$0c., best \$1 \$7 lb.

INFERIAL (Green), best \$1 5 7 lb.

ENGLISH BREAKFAST (Black), \$0c., \$0c., \$1, \$1 10, best, \$1 29 lb. GUNIOWDER (Green), \$1 25, best, \$1 50.

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of rleasure in drink-

ing them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, being composed of the best Foo-Chow Blacks and Mayune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, although it is the finest imported.

Customers can save from 50c. to \$1 per lb by purchasing their

## THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST,, corner of CHURCH. Pest-Office Box No. 5.643 New-York City.

COFFEES BOASTED AND GROUND DAILY.

GROUND COFFER, 20c., 20c., 20c., 20c., best 40c. per pound, dotels, Salcons, Boarding-house keepers, and families who used arge quantities of Colley, can econômize in that article by using our French Breakfast and Dinner Colley, which we sell at he low price of 20c. par pound, and warrant to give perfect autsfaction.

### Club Orders.

WASHINGTON, Pa., Nov. 10, 1866.
To the Great American Tea Company,
See, 31 and 33 Vesey-st., New-York.
Gents: 1 forward you my fourth order and could have doubled it if 1 had collected any, as your Teas take the lead in the market, we feel it a saving of \$1 per pound. Please accept my thanks for the complimentary package. Address by Ex-

. :	press, Martin Luther, Washington, Pa.	
	MARTIN	LUTHER.
1	10 to Young Hyson, in pound packagesat \$1	25\$12.50
	5 b Young Hyson Dallas Jackson at 1	25 6 50
		25 2 50
		25, 2 50-
	I th Young HysonE. Dycat 1	25 1 25
١.	2 th Young HysonSamuel Deckerat 1	25 2 50
1	1 th Young HysonSamuel Amonat 1	25 1 25
		25 1 25
		25 5 75
1		25 200
		25 5 11
,		
		25 120 00
		000 00
ı		25 256
		2 00
. :	2 fb Young HysonJ. Richlelnat J	25 2.50
		25 2 50
. :	2 lb Young HysonEdward Murpbyat 1	25 2 50
i	2 lb Young HysonMrs Murphyat 1	25 2 50
		60 5 00
1	2 fb Oolong, best Separate package at 1	00 2 00

\$84 00



Snort Dresses.—The new short dress is thoroughly feminine. It frees women from all the obstacles to walking and out-door exercise without offending their taste or their seruples. It is simple, compact, requires but little material, few skirts, and those small and narrow, relieves the body of all superfluous weight, and in conjunction with the admirable thick soled walking boots now in vogue, furnishes a costume for the street as uearly perfect as one can expect to get. A generation of short dresses would enable our American women to grow, and nurse their own children, and prove a great step towards a universal millenium.



# Fertilizers.

#### ANIMAL MANURES.

Written for the Farm and Fireside. BY ALEXANDER HYDE, LEE, MASS.

and saved; the former arc as generally underto think he has done his whole duty to the 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 aniearth, to be the prey of dogs and carrion birds, and to pollute the air. We have seen many a dead lamb hung up in the eroteh of a tree, a speaking advertisement of the thriftlessness of the shepherd; for the lamb 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 fractions:

Varson
Hydrogen 8.
Nitrogen
Oxygen21.
Ashes4
Total,100.
2

of dry horseflesh we lose fifteeu pounds of nitrogen, the most valuable ingredient in barn yard manure, of which the flesh contains about seven times as much as the manure. Both lose in drying about 75 per cent. of their weight. Johnston estimates that fourteen pounds of flesh are equal to one hundred 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 much nitrogen as eommon mauurc. The bones, also, are execedingly rich in organic matter, and are readily sold to the manufacturers of bone dust and phosphates at \$20 per ton, aud when properly manipulated and adulterated are resold for 200 per cent. advance.

The loss we are sustaining from the single article of dead horses, to say nothing of other animals and the refuse of our slaughter houses and abattoirs, may be approximately calculated from the following facts. It is estimated that we have in the United States ten millions of horses, and that their average age is ten years. Consequently about one million die each year, and as we do not, like the Parisians, cat horse flesh, these are mostly buried, or worse still, left to "waste their fragrance" in the open air. It is a moderate estimate that each dead horse tion is correct, we lose annually, by burying ing. our dead horses, ten millions of dollars. By neither burying nor composting we lose an incomputed and an incomputable number of valuable lives, victims to the miasma which arises from the decaying carcasses.

The ficsh of animals, as we have seen, is a valuable manure in itself, too rich, indeed, for NEW a direct application to the soil. Hence the a direct application to the soft. Hence the necessity of composting it with muck, charcoal dust, soda, ctc. By its rapid decay it has the valuable property of hastening fermentation in every thing with which it comes in contact that is capable of deorganization. This singular effect, which the chemists call catalysis, renders flesh a most valuable ingredient in the compost heap. The best mode of preparing the compost is to spread two or three loads of

dry muck on the ground, covering a space ten W. E. BARRETT & CO., PROVIDENCE, R.I., feet square. Ou this spread the dead horse, eut up into pieces of ten or a dozeu pounds each. Over the whole spread three or four loads more of muek. In six weeks of warm weather the pile will be ready for shoveling over, and if the ammonia exhales too rankly, WE use the term animal manure in a respread a barrel of gypsum on the heap as it is stricted sense, as including flesh, fish, skin, worked over. The plaster is a great addition hair; in short, every thing that exists in a state to the value of the compost, whether the flesh of animal organization, but excluding animal is completely decayed or not. After shoveling, droppings. The latter are very generally prized a renewed fermentation will take place, and in valued and neglected. If an animal dies on for use, and will be found to make roots, grasses the farm, the first question in the majority of and grains grow with wonderful luxuriance. cases is, not how shall we make the most of If labor is too expensive for taking so much the carcass, but where shall we bury it past pains with the compost heap, the dead horses resurrection? By burying, the owner seems may be thrown directly upon the ground, in some bye place, and covered thoroughly with beastly remains, and forgets that by so doing muck or sods, and thus left for a year, and he has robbed his farm. The farm has sup- then shoveled over. In either case, some vigiported the animal, furnished the carbon and lanee must be exercised to keep the dogs from nitrogen for its flesh and the phosphate of lime 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 placed in a hogshead mals, but leave them on the surface of the and covered with wood ashes, which, being wet oecasionally, will reduce them to a pulpy state, fit for the compost heap.

We speak after much experience with this kind of manure, and know whereof we affirm. For many years our farm has been the recipient of most of the dead horses of the neighboring village, which the owners were glad to give to us for the hauling, and in some eases did their own hauling. Each 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 distance. Sods from the road-side will answer nearly as well as muck, and leaf mold from the forest is better than either. All erops are benefitted by the application of such a compost, but as it is particularly rich in nitrogen, the grasses and grains derive special advantage from it. Meadows, eovered with a top dressing of it in the Fall, will show a deep green early in the Spring, and in June or July will roll out a swath of Thus we see that with every hundred pounds grass, so thick bottomed that it reminds one of a fleece of wool. .

If dead horses can be transmuted into grains and grasses, why have not our farmers a power more valuable than the fabled philosopher's store?

The subject of animal manures requires our serious attentiou; it is an exhibition of earelessness to allow such valuable fertilizers to go to waste.

A CLERGYMAN was lately depicting before a deeply interested audience the alarming inerease of intemperance, when he astonished his hearers by exclaiming: "A young woman in my neighborhood died very suddenly last Sabbath, while I was preaching the gospel in a state of intoxication!'

By warmth and judicious 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, that a fowl fatted at two years old; is much more tender and palatable, than one that is

The English papers are warning the public properly composted, will make five loads of against counterfeit sovereigns. The countermanure, worth \$2 per load. If this computa- feit sovereign in Mexico has already had warn-

# Advertising Bepartment.

# Rhode Island.

SEEDLING COOKE'S RATTLER,

Now offer at the LOWEST CASH PRICES.

AOW OHER AT THE LOWEST CASH PEROES,

2000 Sacks Prime Red Top.

500 Bags Prime Herds Grass.

500 "Western and Northern Clover.

1500 Bushel Prime R. I. Bent, for Pastures.

300 "Seed Barley.

100 "Sering Rye.

300 "Bedford Seed Oats.

100 "Early Goodrich Potatoes.

200 "Seed Parley.

100 "Seed Potatoes.

200 "Sebec Potatoes.

100 "Harrison Potatoes.

100 "Harrison Potatoes.

100 "R. I. White Cap Corn.

100 "R. I. White Cap Corn.

100 "R. I. Whote Cap Corn.

100 "Buckwheat.

100 "Buckwheat.

100 "Buckwheat.

100 "Buckwheat.

100 "Buckwheat.

200 Buckwheat.
200 Millet and Hungarian.
White Intch Clover, Orchard Grass, Onlon Sets, and a complete assortment of

GARDEN SEEDS. Rajsed for us with great care. 200 Barrels dry ground Bone for Mannre, together with all kinds of Farm Implements and Machinery. Send for Circular of Mead's Conical Plows and Share's Horse Hoes—and don't forget the number,

32 CANAL STREET, 32.

March 23, 1867.

PROVIDENCE. we-tf

W. E. BARRETT & CO.,

Manufacturers of MEAD'S PATENT CONICAL PLOWS.

SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS, GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINGED HARROWS, CULTIVATORS, ROAD SORAPERS, OX YOKES, AND PLOW CASTINGS; And Wholesale Bealers in

Hoes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for KNIFFEN'S, UNION AND PERRY'S

MOWING MACHINES,

Whitcomh's Patent Horse Rake, and the hest Hay Tedder in the market. Prices low and Terms Cash.

. Office, 32 CANAL STREET,

March 23, 1867.

PEOVIDENCE, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEER can be had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

BARRETT'S EXTRA EARLY CABBAGE,—The best and largest in the market. Price, 25 cents a paper. Ralsed and sold by W. E. BARRETT & CO. nd sold hy Providence, Feh. 23, 1867.

ROAN SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., .32 Canal Street, Providence, R. I

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

WHITE FRENCH TURNIP, of the purest kind, raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

W E. BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Shares' Patent Horse Hoes, Chase's Two Horse Potato Diggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

### massachusetts.

L ANIES, ATTENTION!—A SILK BRESS PATTERN, or a SEWING MAOHINE, sent free, for one or two days' service, in any town or village. Also, a gift sent free, by addressing with stamp, W. FISK & CO., 17 State Street, BOSTON, Mass. 4w-we-14

FRUIT TREES, GRAPES, SMALL FRUITS, ORNAMENTALS, &c.

WE have imported from foreign growers, and personally se lected at the largest New England and New York New sery Establishments, the choicest stock which we could fin this season, and now offer to purchasers a general assortment o

NURSERY STOCK,

first class in quality, complete in variety, and extensive in quantity, at very low rates. A descriptive catalogue of 4 pages mailed to applicants. Sample of the collection may hear at our salesroom, hasement of 28 & 30 Water street, Boston. Orders faithfully executed.

BENJ. T. WELLS & CO.

BENJ. T. WELLS & CO. April 7, 1867.

CHOICE FLOWER AND GARDEN SEEDS,

NEW STRAWBERRIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Union in perfect safety, a complete assortment of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS, GOOSEBERRIES, BLACKBERRIES, ROSES,

FLOWERING PLANTS,

he trade. Agents wanted. Plymouth, Mass., March 30, 1867.

SOUTH DOWN CO.'S PATENT

# SheenWashTobacco

THE BEST KNOWN BEMEDY FOR

TICKS, SCAB, VERMIN AND FOOT ROT

should be used by all Farmers on SHEEP, ANIMALS AND PLANTS.

This pure preparation has been successfully used for ears, and never fails to produce the desired effect when used according to directions.

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sheep.

It cures SCAB on Sheep It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers. Sold by all Bruggists and Country and Agricultural Stores.

JAMES F. LEVIN.

23 Central Wharf, Boston, Massachusetts.

For sale by KENDALL & WHITNEY, Portland, Me.; N.S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS

OASH ADVANCES MADE ON CONSIGNMENTS. 233 State Street, and 130 Central Street, Boston New England Agents for the

NONPARIEL FRENCH GUANO.

It is claimed that this Fertilizer is superior to any in the mar-ket, its virtues and merits over others heing to prevent all in-sects and worms from destroying crops of plants, without hurn-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRIOR \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

CARROT AND MANGOLD WURTZEL SEED.

I raised the past season a fine lot of Long Red, Yellow Glohe, and White Mangold Wurzel Seed, and will send either variety, post-paid, to any address, for \$1.00 \( \frac{1}{2} \) to.

Also, Long Orange Carrot Seed, of my own growing, for \$1.25 \( \frac{1}{2} \) th. I here offer an opportunity for all to procure Seed DIEEOTLY FROM THE GROWER.

JAMES J. H. GREGORY,

Marhlehead, Mass.

5w-ee-12

# Pennsylvania.

RHONES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIO AOID. VALUABLE FOR EVERY DESCRIPTION OF CROPS.

Manufactured by

POTTS & KLETT,.....Camden, N. J.

Endorsed and recommended by Dr. EVAN PUGH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say

FULLY UP TO THE STANDARD, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHONES' SUPER PHOSPHATE.

YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Delaware.

418 South Wharves, PHILADELPHIA.

### New York.

HICKLING & CO. S

GREAT SALE OF WATCHES.

On the popular one price plan, giving every patron a handsome and reliable watch for the low price of Ten Hollars! Without regard to value, and not to be paid for unless perfectly satis

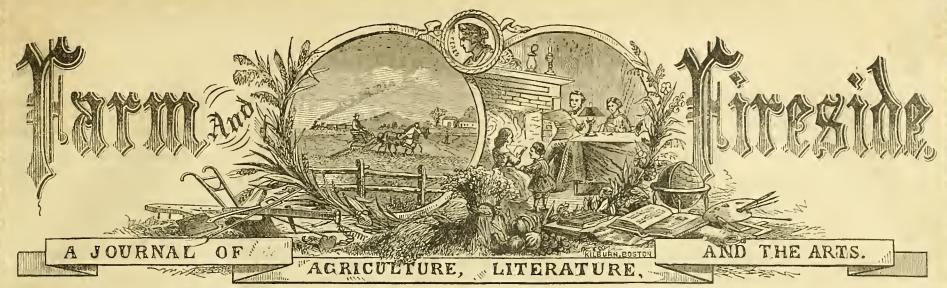
and reliable watch for the low price of Ten Hollars! Without regard to value, and not to be paid for unless perfectly satisfactory!

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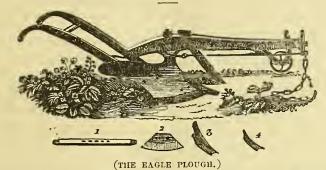
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VOL. 1.

# WOONSOCKET, R. I., SATURDAY, APRIL 27, 1867.

NO. 16.

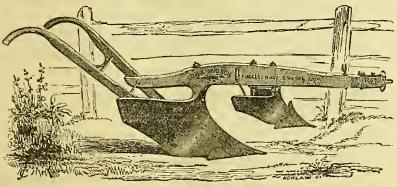
[Written for the Farm and Fireside.]
FARM IMPLEMENTS. — ARTICLE FIRST.



In no direction bas inventive genius unade more rapid strides thau in the production of improved agricultural implements. In no other branch of mechanism has common sense so fully fraternized with philosophy, or science seconded so ahly the suggestious of practical utility. To such as are living witnesses of agricultural progress, permitted the privilege of being reviewers, looking hack over a period of forty years, the march of improvement in all manner of farming implements seems rather the art of some invisible magician, than the bona-fide handiwork of human genius.

There are still among us many thousands who have to-day, vividly in memory, the old awkward wooden "glut," arbitrarily called a plougb; having its origin in pre-historic times; little improved during all the ages in which tillers of the soil were obliged to accept it as a necessity, because there was "under the whole heavens" nothing better. Not entirely out of sight in the past are the ancient "reaping hooks"—sickles, for some reason never known, we called them; clumsy cradles, to be lahoriously swung by stalwart arms; huge iron hoes, having awful eyes; two sticks tied together with eel-skin thongs, or hempen strings, we called flails, for thresbing grain; seythes, hand-rakes, and primitive pitchforks, constituted our best hay making paraphernalia. No horse-power mowers, reapers, rakes, seed drills, subsoilers; but planting potatoes in hills, covering and cultivating with hand-boes; old, antiquated harrows with ponderous frames, like the hroadside of a modern util-flume; no horse hoes, cultivators, planters, and potato-diggers, but all main strength and manual labor; horses, the country gentlemen; men and hoys the agricultural drudges. What a reversion of lahor! what a rapid revolution in agricultural economy!

Could there be gathered together all our ancient agricultural implements, outre and unique in their old fashioned simplicity, each one duplicated by its modern substitute, and all placed side by side on public exhibitiou, the "show" would be worth a pilgrimage of the width of the continent, to all practical farmers of modern times. Contrasting the awkward old wooden wedge of forty years ago, permit us to place on exhibition two ploughs of modern invention and improved pattern, both of which, if not the best, are foremost among the very best of the hundred improved ploughs manufactured and competing for public favor. For all



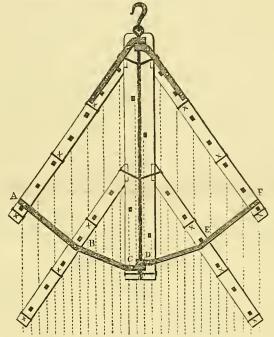
(MICHIGAN SOD AND SUB-SOIL PLOUGH.)

ordinary work, where two horses are required, the Eagle Plouon ought to be among all farmers' first favorites. It is strong, simple, and scientific in principle; durable, not liable to breakage or disarrangement, and of unusual easy draught. There are several sizes of this superior plough manufactured, all of which are eminently self-sharpeners, being provided with a detached steel point, twenty inches in length, secured by running up into the interior of the plough, fastened by a single set-bolt, adjustible in length, and reversible by changing sides and ends, as required by the wear of the parts in use. The size represented in the engraving, is the one most proper for all two-horse service.

As a companion plough to the "Eagle," but peculiarly adapted to duties beyond the capacity of this lighter implement, we present to the consideration of the agricultural public, the Michioan Sod and Sub-soil Plough. The very name of this admirable implement indicates its capacity to perform a double service, and its actual performance clearly establishes its claim to all its titles. The cut so fairty represents the meritorious points of the "Michigander," that few words in the way of explanation are necessary. We may, however, observe

that the object of the implement is the performance of heavy work, and making at one motion, a deep, disintegrated soil. The sub-share, securely attached to the heam, first turns over a sod furrow from five to six inches deep; the main plough following, going down six to eight inches deeper, looses, lightens, and lifts the sub-soil, turning a portion of it over the surface left by the lesser plough. Though of comparatively light draught, the weight of work performed by the "sod and sub-soil plough," makes a strong force a necessity.

Passing from the plough to its popular companion implement, we shall say that of all the modern modifications of the old-fashioued toothed harrows, we like the Geddes' Folding Harrows better than any other. Its construction combines convenience, lightness, strength and durahility. They are made of several sizes, adapted to various requirements, all hinged in the center, so that either side can be folded over upon the other, the draught central and the number of teeth varying from fourteen to thirty.



(GEDNES' FOLDING HARROW.)

Although the universal use of the harrow is "aucient and honorable," having the sauction of the majority of agriculturists in all civilized countries, there are many who do not believe that its use is altogether warranted by sound philosophy, or productive of a condition of the soil most conducive to fertility. Certainly the harrow levels surfaces and breaks up sods, hut does it disjutegrate, loosen, separate particles, acreate, in the sense supposed generally, and which is an actual necessity of quickening sown seed, and insuring the most vigorous growth of plants? Let us see if we can see about that something that is sensible.

An indispensible element of fertility in most soils is clay. Very well; then by compressing in the hand and manipulating a small quantity of elay soil, containing sufficient humidity to insure the growth of plants, or by stirring it round and round with a stick, as we do mush, we unite instead of separating particles, forming a plastic mass, inimical to fertility. That in degree is precisely what dragging the twenty or thirty teeth of an ordinary harrow back and forth through the surface soil, does ou some soils. But as the covering of seeds sown by band, and hreaking into a finer condition of comminution clods left by the plough, by some means, is a necessity, the use of the inevitable barrow, until some better implement to supply its place shall become so popular as to be hrought into universal use, must be resorted to. The operation, however, ought to terminate in most cases, with once going over and through the ground.

For this service, because of its convenience, we prefer the "Geddes' Folding Harrow."—But in another paper upon implements, intended to follow this, there will be presented a cut and description of a new novelty, that ought to, and one of these days will very likely, supersede entirely the use of all the old-fashioned toothed harrows. We shall describe this, and other improved farm implements, in a course of articles extending through the planting, haying and harvesting seasons.

The Musoat Hamburg Grape.—We have noticed for a few years past, that this grape was attracting mo re and more attention as an indoor variety, and we now find that it has the endorsement of some of our most experienced growers. Robert Buist, Esq., of Philadelphia, who is so well-known as one of our pioneer nurserymen and fruit-growers, speaks of it in the highest terms. He says it is equally well adapted to a cold or forcing grapery; its fruit is the color of the Black Hamburg, oval in form, and bunches frequently twelve inches by nine. In Muscat flavor it is equal to the Muscat of Alexandria, and is two weeks earlier than the Hamburg. This is surely giving it a character that cannot be overlooked, and must soon hring it into general cultivation.—Germantown Telegraph.



IN ONE'S Place.—If there he one man before me, who honestly and contentedly believes that, on the whole, he is doing that work to which his powers are best adapted, I wish to congratulate him. My friend, I care not whether your hand be hard or soft; I care not whether you are from the office or the sbop; I care not whether you preach the everlasting gospel from the pulpit, or swing the hammer over the blacksmith's anvil; I care not whether you have seen the inside of the college or the outside—whether your work he that of the head or that of the hand—whether the world account you noble or ignoble; if you have found your place, you are a bappy man. Let no ambition ever tempt you away from it by so much as a questioning thought.—Dr. Holland.





# Original Papers.

#### HIGHWAYS.

Written for the Farm and Fireside,

BY ALEX. HYDE, LEE, MASSACHUSETTS.

Good roads are a good thing for all, but especially for farmers, and are a pretty correct index of the thrift of a community. New England farmers, with markets close at their doors, or good roads to transport their produce can poorly appreciate the drawhack which long transportatiou, over corduroy roads, makes upon the profits of Western farming. We once visited some friends in Wisconsin, and had to travel some fifteen miles from the and direction we wished to go, we were coolly informed that one horse was not sufficient to carry one person through the sloughs we should be compelled to traverse. We accordingly hired two horses to transport one hundred and sixty pounds fifteen miles, aud before in April), concluded our two-horse power was the logs that there was no danger of their sinking out of sight. Our friends we found, with plenty of good land about them, and hay and hominy in abundance, but with little ready cash. They complained that although the crops were good, the transportation was so expensive 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 nearest R. R. station, and the cost of transportation per bushel; and the reply was, "eorn is selling at fifteen eents, and it eosts vised 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 countries 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 every raiu. Horses as well as men protest 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 hog pen or barn yard. We have much to learn as a community, 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 experience 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 afterwards, as population, wealth and intelligence increases, locating them more conveniently, and building them more permanently. Some of our old roads arc so located 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 five pounds per acre; carrots, two pounds; words, that the bale of a kettle is longer lying ruta-haga, three-fourths to one pound; todown than standing up. We do not suspect haceo, two onnees; cotton, two to five hushthem of any such ignorance. They probably els; turnip, one to two pounds; onions, three huilt the steep hill roads to get a hard road to four pounds. bed and to avoid the wet low lands, and it was good policy, if they had not the means to

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 to be overcome than the gravity of the load.

If we do not wish to take lessons in road huilding from the Appian Way of Julius Cæsar, 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 the short distance requisite to find a market, rail roads; the three great objects aimed at by these engineers are, a direct course, a low grade, and a dry road bed. In securing the first, all ahrupt enryes are avoided. If necessary to change the course, the momentum of the train is not impeded by a short turn. In railroad station to reach them. On inquiring at the right angle forks of our common roads, the livery for a horse, and stating the distance the vehicle must in reality he stopped, and then started again in another direction, and made tame from the very start. thus much forec of motion lost. The advantages of a low grade are too obvious to need alluding to, but it would seem that the prophecy "the high places shall be brought low and the valleys exalted," is slow in its we arrived at the end of our journey, (it was fulfillment on our carriage roads. What we wish to call particular attention to is, the dry none too much. The sloughs, as they call hard road bed over which the wheels can roll them in Wisconsin, (in our vernacular, the with little friction. This can only be secured marshes), we found the surest part of the jour- by a well turnpiked road, allowing the water ney, for they were generally eorduroyed, and to run readily to cither side, and a good hard our horses and vehicle were so sustained by 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 something in their first adoption, but fully paying 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 ascending the hill and in descending, wrench a horse and vehicle greatly by the sudden stoppage. They are entirely unnecessary, if the road is properly eighteen to get it to market." The owner ad- 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 ing, patience, when we are in a hurry. agricultural community.

### The Field.

### QUANTITY OF SEED PER ACRE.

WE give the following for reference:

Grain Drilled.-Wheat, one and a half to wo 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; peas, two to three hushels; huckwheat, half to twothirds 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; beans, 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

easier for a horse to pull a load up an ascent the labor of about twenty-five hundred horses. I large colts, and hard to heat for weight.

# The Morse.

#### BREAKING HORSES.

Some may object to the term breaking as suggestive of the tragical and terrible. Well, that horses that are tied in stalls, try to find their is about what you want to describe when you speak of processes in vogue. Colts run wild ing as far as the halter will permit. In many till they have attained nearly their full strength stables the floors slant considerable so as to and have acquired very positive ideas ahout personal freedom and the rights of horses! Then all at once the man who has been passing 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, and sets himself at once vigorously to work to get it. I will draw a veil over what follows; it is always sad to see brutes contending. I beg leave to add-

First-That eolts should he handled and

Second-They should be accustomed to the harness and made to draw light loads when two or three years old, but never put to severe business till they are seven or cight.

Third-A broke horse should back as well as draw; should obey the rein promptly, and be made to avoid a slouehing gait; should always stop at the word, should be familiar with railroad 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" 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 even wink, when a blud-

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 a crude and undisciplined state. Horsehaek riding should be vastly more common than it is among men and women, boys and girls.

Fifth-Now is the time to break colts and steers, before the busy time comes; it is hard to practice the cardinal virtue in horse-break-

Sixth-Rarey was a saint, or something of that sort, -H. T. B. in Rural New Yorker.

BLOOD SPAVIN 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 turpentine, put together in a glass bottle; then take a lump of verdigris, as much as will dissolve in the liquor, and roll it up in a cahbage leaf and roast 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 eold water, dip your hands into it, and ruh tne spavin thoroughly hefore using it; then apply the medicine. Put it on once in two days, until you have applied it four or five cured, go through the same process agaiu. If after applying it.—Rural American.

LARGE COLTS.—George Foster, of the town of Weare, N. H., has a colt 11 months old that crease five for the first three thousand feet, weighs 610 pounds. The colt was sired by the seven more for the next one thousand five hun-Abdallah horse of Wilton. Arctas Blood, Esq., dred feet, eight for the next one thousand five of the city of Manchester, in the same State, England has about four hundred steam has one hy the same horse, coming two this hundred feet of ascent after that. This is an MeAdamize the marshy places; for it is much ploughs and cultivators in operation, saving Spring, which weighs 900 pounds. These are average increase of one beat for each one hun-

BACKING IN THE STABLES.—A celebrated 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 his legs will explain to him the reason why own level by standing across the stalls, or backthrow off the nrine, 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 until a cure is effected, which will be speedy.'

L. P. W., Troy, Pa., says, "take four quarts of mandrake roots, boil them in water to get a strong decoctiou, then add one pint of hogs' lard and simmer 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.

# Miscellany.

#### STRENGTH OF THE BEETLE.

This insect has just astonished me hy its vast strength of body. Every one who has taken the common heetle in his hand knows that his limbs, 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 brought to me, having no box immediately at hand, I was at a loss where geon was swung furiously within two inches to put it till I could kill it; hut a quart bottle full of milk heing on the table, I placed the beetle for the present under that, the hollow at the bottom allowing him room to stand upright. Presently, to my surprise the bottle began to move slowly and glide along the smooth table, propelled by the musenlar power of the imprisoned insect and continued for 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 notion 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 a smooth pavement by pushing within. -Prof.

> Mr. J. CLAY, of Buxton, Me., who recently visited the West, makes the following estimate for 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, making 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

A DECOCTION of the leaves of common times; then dress it once in two days with the chamomile will destroy every species of infollowing oils, and heat them in the same seet, and nothing contributes so much to the eugth of time each time: Two ounces oil of health of a garden as a number of chamomile spike, one ounce oil of turpentine, one ounce plants dispersed through it. No green-honse oil of amber, half an ounce oil of origanum, or hot-house should ever he without it, in a mix together; then wait a few days and if not green or dried state; either the stalks or flowers will answer. It is a singular fact, that if a there is any fever it may take off the hair; if plant is drooping and apparently dying, in nine so, apply a little soft grease or oil the next day cases out of ten it will recover if you plant chamomile near it.

> In ascending into the air the heart-heats inhundred, and five for each one thousand five dred vards of ascent.



Prices.—A comparison of present prices with those of the heginning of last year, shows that breadstuffs have advanced on an average about thirtyfive per cent., while dairy products and heef and pork have declined twenty per cent., and groceries about ten per cent. A comparison of the prices of March, 1866, with those of March, 1865—when the war terminated—exhibited no material change. The manner in which prices have thus kept up, strongly contrasts with the rapid decline which followed the termination of the war of 1812. On Saturday, the day on which peace was announced, sugar sold at \$29 per hundred weight; on the following Monday it was freely offered at \$12.50 per hundred weight. Tea fell from \$2.25 to \$1 per pound. Tin declined from \$80 to \$25 a box. On that day specie sold at 22 per ct. premium; on the next Monday at 2 per cent.—Boston Commercial.







# The Farm and Fireside.

# The Fireside Muse.

#### THERE'S WORK ENOUGH TO DO.

The blackbird early leaves its nest, To meet the smiling morn, And gathering fragments for its nest From upland, wood, and lawn; The busy hee that wings its way 'Mid sweets of varied hue, At every flower would seem to say-" There's work enough to do."

The cowslip and the spreading vine, The dalsy in the grass,
The snow-drop and the eglantine, Preach sermons as we pass; The ant within its cavern deep, Would hid us labor too. And smiles upon its tiny heap "There's work enough to do."

To have a heart for those who weep, The sottish drunkard win; To rescue all the children, deep In ignorance and sin;
To help the poor, the haugry feed, To give him coat and shoe To see that all can write and read, "There's work enough to do."

The time is short—the world is wide And much has to he done This wond'rous earth, and all its pride, Will vanish with the sun! The moments fly on lightning wings, And life's uncertain too; We've none to waste on foolish things-"There's work enough to do."

The planets to their Maker's will, Nove onward in their ears, For nature's wheel is never still-The leaves that flutter in the air, The Summer hreezes too, One solenin truth to man declare-"There's work enough to do.

Who then can sleep when all around Is active, fresh, and free? Shall man-creation's lord he found Less busy than the hee? Our courts and alleys are the field, If men would search them through, The best the sweets of labor yield, And "work enough to do."

# General Miscellany.

Written for the Farm and Fireside.

### FARMERS' GRINDSTONES.

THERE is no tool so essential to the farmer as a good griudstone; and a very correct idea may be formed of the management of the farm, by the appearance of this homely but useful article. If the neighboring saw or edge tool factory, has furnished one of its cast shaft, and suspended in the crotch of a tree, or in a fence corner, you may rest assured that such a farm will not produce four hundred bushels of potatoes, or forty bushels of wheat to the aere. But such cases are rare, now-adays, as this article has kept pace with the wonderful improvements in mowing machines and farming implements generally. The old fashioned, unfinished stoue, with square hole and uucertain grit, has been superceded by the finished stone, with self-adjusting shaft, friction rollers and treddle; so that one person can turn the stone, and grind any ordinary tool without assistance.

In olden times, the only grindstones in use eame from New Castle, in England, and although very good for some purposes, they were not suitable for farmers' use, the grit being too coarse. The Nova Scotia stones were next introduced, and found to be a great improvement on the New Castle. The Ohio ing, according to Dancel, from between eleven grindstones are very largely used by the far- and eighteen quarts per day, or even less, to mers and others throughout the West; al- twenty-seven, thirty-six, or forty-five quarts or though our Pennsylvania farmers prefer a good, blue, Nova Scotia stone; but recently a most excellent article has reached us from the shores of Lake Huron, having a fine, sharp grit, leaving a fine edge, and eutting pretty fast.

Hopiug these remarks may induce our farmers to give this important tool the attention different kinds of fodder, and of determining it deserves, a few hints how to put it in order may not be out of place.

First.-Always keep your grindstone under cover, as exposure to the sun's rays hardens the grit and injures the frame.

Second.—Don't let the stone run in water, or soft places where none exist; but allow the adulteration. If the accuracy of the proposi- "" chalet" and witness the morning and eve- he gains a better.

lead keg will answer), fixed above the stone, and stop it off when not grinding.

Third.—Clean off all greasy or musty tools before sharpening; as grease or rust chokes up the grit; and always keep the stone perfeetly round by razeeing it off when necessary; and finally, every farmer should have a good grindstone of his own, always ready for use, and no one should be so improvident as to waste the cost of a stone by running to his neighbors to grind his tools.

Germantown, Pa., April, 1867.

#### INFLUENCE OF WATER ON THE PRODUC-TION OF MILK.

In a communication to the French Academy of Sciences, Mr. Dancel discusses the influence of liquid food and water upon the quantity of milk secreted by herbivorous animals. It is found that by inciting cows to drink large quantities of water, the quantity of milk yielded by them can be increased several quarts per day, without materially injuring its quality; the amount of milk obtained is approximately proportional to the quantity of water drank. Cows which, when staii-fed with dry fodder, gave only from nine to twelve quarts of milk per day, at onec produced from twelve to fourteen quarts daily, when their food was moistened by mixing with it from eighteen to twenty-three quarts of water per day. Besides this water taken with the food, the animals were allowed to drink at the same intervals as before, and their thirst was excited by adding to the fodder a small quantity of salt. The milk produced nuder the water regimen, after having been carefully analyzed and examined as to its chemical and physical properties, was adjudged to be of good quality; excellent butter was obtained from it.

The precise proportion of water which can thus be given to cows with advantage, is a point not readily determinable, since the appetite for drink differs very considerably in different individuals. But by observing the degree of the appetite for drink, in a number of cows, by taking note of the quantity of water habitually consumed by each of the animals in the course of twenty-four honrs, and contrasting 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, off "hubs," which is huug on a wooden moreover, in as many words, that a cow which does not habitually drink as much as twenty: seven quarts of water per day, and he has met with such, is actually and necessarily a poor milker; she will give only from five and a half to seven quarts of milk per day. But all the cows he has seen which drank as much as fifty quarts of water daily, were excellent milkers, yielding from nineteen to twenty-three quarts or more of milk. In his opinion the quantity of drink consumed by a cow is a valuable test of her worth as a milk producer.

> In the main, these experiments do but illustrate with greater precision, facts which have long been familiar to practical men. The nurse, when suckling the human infant, does not naturally cousume much more solid food than before, but of liquids she drinks much larger quantities. After a cow has begun to give milk, she drinks far more water than before; the quantity of water consumed increasat least for the breed of cattle upon which he has experimented.

As Dancel justly urges, however, the principle here laid down has hitherto not heen sufficiently recognized by men of science, in many of the experiments which have been undertaken for the purpose of comparing the value of the influences which they severally exert upon and used for various purposes. the production of milk.

Though presented as a physiological disquisition, and by no means without value from the will be more likely to attract genera attention for all their increase or product. Once each stand in water when not used, as this causes from its hearing upon the vexed subject of month the different owners make a visit to the

drink every day twenty odd quarts of water amount. Cheese is made at these "chalcts" more than her accustomed ration, several ad- twice a day and the accumulated amount is ditional quarts of milk can be obtained from weekly sent to the valley below. The lile her, and if the practicability of the operation led by these "vachers" is an exceedingly be accepted or proved, then the question at pleasant one, provided they happen to be on a once arises as to whether or no the method favorable "alp," but in the majority of eases now under discussion will be in any way pre- the life is one of considerable danger. ferable to the time honored custom of adding a certain amount of water to the milk after it has left the cow. The eustomary method, at first sight certainly seems to be simpler than the plan now hinted at, of pouring six times the needful quantity of water down the cow's throat: but it is well-uigh certain that the milk the cow. Not only will analysis be likely to position of ordinary normal milk, in the former ease than in the latter, but we may be sure that milk diluted within the animal, will reecive a certain share, at least, of that elaboration and commingling of its ingredients which is as yet inimitable by man, and which so widely distinguishes organized matter from that which is unorganized. The milk of the water-soaked cows must still be regarded as milk-not as adulterated milk. Milk of quality somewhat inferior to the ordinary it may be, in spite of M. Dancel's opinion of the contrary, 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 some system of just adaptation of price to quality; just as in the Russian markets one may choose between first, second, and third quality eggs, according to the leugth of his purse and the delicacy of his taste.

### CATTLE RAISING IN SWITZERLAND.

LAND for cattle raising in Switzerland is not sold by measurement, but at a value corresponding to the number of cattle it will maintain. Much of the grazing or pasture land in Switzerlaud is found on the summits of the iuferior Alps. In fact, the word "alps" means flat table lands almost always found ou the top of these mountains. By long usage, the word has come to be considered as applying to the whole elevation—particularly by foreigners. The Swiss customs regarding the pasturing of cattle npon these "alps" are novel, and may be interesting to our readers.

The cattle are pastured upon the lower pasture until about the first day of June in each year. The "alps" are then ready to receive them, and on a certain day, determined beforehand, and announced through each Canton (or county) they are driven in a body to the different higher pastures. This is always made a time of rejoicing, and the day set apart for a grand fete. As a general thing, the different "alps" are owned by different villages as cor- table. porations, and not by individuals. Many of them are walled in by a rude stone fence, though many are left in a perfectly natural state. The number of cattle that each "alp" cau maintain varies from fifty to a hundred, perhaps fifty is nearer the average.

On the summits of these alps are buildings in which the "vachers" or cattle-keepers live. These are called "chalets," and are long, tow and picturesque in their appearance. roof is loaded with heavy stones-a very uecessary precaution at elevations more than mile high—and, besides, is often bound down to the rocks by eables. There are, usually, three rooms-one long and narrow, with a either side, into which the eattle are driven at known to O'Counell, and in requital for his where the cheese is made, and the third, small, valuable secret. "If your honor wants to

"alp." They remain with the cattle during get a good one. The weakly ones, yer honor, the whole season-June to October-have the always shelter under the hedge if the weather physislogist's point of view, Daneel's paper exclusive charge of them, and are accountable is had."

water to drip from a water pot (an old white tion be admitted, that by inducing a cow to uing milking of their cows and note the

The storms that rage about the summits of these high mountains are often terrific. The mountains are often euveloped by dense clouds charged with electricity and accompanied by terrible winds. During these storms the cattle arc sometimes lost and the "vachers" must look them up at great peril to their lives, when thus indirectly "extended," a la Dancel, will as is often the case with the sheep and goats, be superior in quality to milk watered to the they have fallen down some precipice and same extent after the milk has been taken from lodged upon some projecting crag. Many of these "alps" are like the roof of a house and exhibit a far closer approximation to the com- can only be tenanted by goats. In these cases boys are hired to watch them, at the ridiculously small sum of two dollars for the season. They literally live with their herds sleeping with them and having no shelter save what they can find under some kindly projecting

The tetal product of these cattle is immeuse. In the one item of cheese alone the annual export amounts to many hundred thousand dollars, and this after Switzerland has been supplied. The amount of cheese consumed by the Swiss is very great, it being a staple article of diet, even to the extent of being to them what the potato is to an Irishman. The export of cattle is also quite large, often reaching 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 Catholic church, and is illustrative of the hold the priests still have on the people. Once every season the priests go from alp to alp and "bless" the "vachers" and their herds; ou the day that ceremony is performed the milk is made into one large cheese, and is most religiously set aside for the church. Ou a given day the "vachers" descend with this enormous cheese and meeting at some designated spot, march with them on their shoulders to the church where they deposit them before the altar, receive again the priest's blessing, and then return, assured that they and their flocks are safe from harm.

The Swiss make a kind of cheese from goat's milk which is used in the place of butter and is most delicious. Another kind with a name as unpronounceable as its smell is uubearable, is a great favorite with the common people and is really good when once fairly past one's

Very little butter is made in Switzerlandnot enough even for domestic use. A small amount is annually imported. What is made is never salted, and that which is imported in a salted condition is not considered fit for the

The Swiss have another domestic animal which always seemed to me to be a cross between a calf and a grey-hound. This they facetiously call a pig, but one must have au organ of faith fully developed to believe them. On meeting in the woods one with his long legs and long red hair, one looks instinctively for some friendly tree that he may secure safety from the unknown animal, which however, like the ass in the lion's skin, soon betrays his genus by his voice.

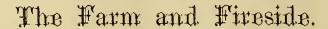
A Good Cow .- Daniel O'Connell once saved a cow thief from hanging, though the fellow was condemned to transportation. He afterpassage-way through the middle, with stalls on wards returned to Ireland, and made himself night, or during stormy weather-another services as counsel, he said he would impart a steal a cow go ou a dark, rainy night, and take There are usually four "vachers" ou each a cow that stands out in the field, and sure ye'll

For every friend a man loses for truth's sake



Immigration.—It is a suggestive fact that the immigration of millions of foreigners has not, as native laborers once feared, proved a serious competition, reducing the rate of wages. On the contrary, it has advanced great public works which have opened new and wider fields of industry and has pushed the native laborer into the artisan ranks and the sphere of skilled labor, with higher wages, more exercise of mind, and less of muscle than before. When 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-seventh of the population, and a still larger proportion of the actual labor of the country, this result must be acknowledged to be convincing evidence of the great resonrees and vast power of labor asorption possessed by the United States.







# Sketches of Travel.

A VISIT TO THE VALLEY OF CHAMOUNI, IN THE SUMMER OF 1854.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

The valley of Chamonni is the area provided by nature for the perfect exhibition of Mont Blanc. Its space, except where occupied by roads, by its two soapy colored rivers, and by the 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 hy alder busbes and the dazzling gleam of the scarlet 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 rough a jonrney as that from Geneva to Chamouni. The next morning, looking directly up to the summit of the Monarch of Monntains, from my chamber windows, I could scarcely realize that it would require eighteen hours of steady climbing, with a night's rest between, to accomplish its ascent. At noon, while looking at some adventurers who had started the day before to reach the lofty summit, I began to have a more perfect realization of the immense height of the monntain. They had just reached the top, having started on their return; hut with a telescope of considerable power, you could only discern three dark spots about the size of moles, moving down the snow covered sides of the mountain. The second morning after onr arrival, we started for an excursion to the Men de Glace. It is attained by the ascent of some three thousand feet above the level of the valley, which some three hours' climbing on the part of your trusty mules, enables you to reach. It is exceedingly steep in some parts, but not in the least difficult. A gradual ascent, bordered on each side by masses of rock detached by some strong convolsion from the mountain sides, brings you to the Fountain of Claudine, where, in the opera of Lerida, the heroine has her first interviews with her lover. During our ascent we had, through the open places in the forest, most enchanting views of the valley with its different villages, surrounded by trees and cornfields stretching along the banks of the Arve. On arriving at Montauvert, the scene changes entirely. Instead of a fertile plain, you find yourself on the brink of a precipice, overhanging a scene worthy of the Arctic regions, a large valley of eternal ice and snow. The Mer de Glace is immediately helow yon, in shape almost a circular basin or ampitheatre, and seems, to my recollection, to he imbned with even more beauty than grandeur; for its floor is formed of sheets of waving ice, which, except that it is broken here and there by the glistening blne of a crevice, has all the freedom of actual motion. The 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 shedding its in-Alps.

snow the next Winter, and thus, by degrees, ings before it for miles. If the action of one See that the road-bed is evenly and slightly cakes.

have been formed.

We descended to the level of the glacier after a short rest in the Pavilion of the Montanvert. When you arrive upon it, the appearance is, for all the world, as if by some magic spell, a raging, roaring torrent, rushing headlong in its conrse, had been 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 continual motion, moving downward toward the valley into which it intrudes some considerable distance. It moves on with a steady flow, although no eye sees its motion; but from day to day, and year by year, the secret, silent canse, whatever it may be, produces the certain, snre effect. The avalanche feeds it, and swells its flowing tides; and at night, when the mountain life is almost still, when its came quite chilly. How striking, too, was the countless veins are frozen up, and the mnrinur of its thonsand rills is hushed to rest, the glaciers' great pulse alone beats heavily and slow. Nothing is more curions than the transportation of immense masses of rock into the valley hy this 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 rock that have been thus strangely transported into the valley by the unseen but never ceasing

Where the glacier presses its terrific plonghshare into the valley, it turns up the soil and wrinkles in advance the green sward of the meadows, brings among the fields the hlasts of Winter, overthrowing everything iu its tremendous progress. It would be impossible fully to describe the sublime wildness of the scenery surrounding the Mer de Glace. Beneath your feet, far up amid the eternal snows-below yon, where the heat of the valley has at last checked the progress of the glacier, rise the frozen waves, some as high as twenty or thirty feet. Around on all sides, ten and twelve thousand feet above the sea level, the needle shaped rocks that give such grand effect to the scenery of the valley, are piercing the skies. On the left you have the Aignille du Dru, behind it the Aignille Verte, on the right, the Aiguille du Moine and the Aiguille du Bochard, while around extends a rampart of colossal rocks, whose crumbling summits attest the influence of many thousand seasons, and whose sterile grandenr has an imposing effect upon the mind. Our descent from the Montanvert was much more rapid than our ascent, for in two hours we reached, without much fatigue, our hotel. That same evening we visited the sonrce of the Arve, a rapid torrent issuing from a vault of ice under the extremity of the Glacier des Bois, the lower part of the Mer de Glace. This remarkable fountain head of the valley stream, is one of the finest sights in Chamouni. We soon reached the moraines of rock and stone brought down from the from the conjoining arch. These are respect monntain in the course of ages by the action lively 14, 11 and 6 inches in diameter, and their 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 stillness of the evening, to the mighty straining and crushing noise that came from the buge mass above. The Arve here rushes from three low arches at the foot of a dark blne cliff of ice, turbid and feaming: and as the eye peers finences on all beneath it. The Mer de Glace, into the darksome vaults above, the imaginaor Ice Sea, is full fifty-four miles long, and in tion begins to picture the terrible aspect of the some places three miles wide. The thickness interior. We crept as near as the stream or depth of the glacier varies according to the would permit, and leaned over the rocky ramsurface; the average is from eighty to one parts to gaze and listen. The whole scene hundred feet; but in some places, owing to around was of the most impressive character. the hollows in the rocks beneath it, may he as The water here rushes swiftly, and with great much as four or five hundred. This great Sea noise from its source deep in the heart of the of Ice is formed from the two streams that glacier. At times the volume is largely inpour forth from different sources in the higher creased, and often the sudden checking of the stream has been the canse of terrible devasta-The origin of these glaciers is from the ac- tion. Some years ago, the arches at the foot comulation of snows in the upper valleys. In of the glacier being worn by the water, fell in, the Spring and Summer these masses become and the fragments becoming frozen, choked saturated during the day with rain water, or inp the glacier river. The waters thus imimbibe the moisture of their exterior, which peded accumulated rapidly, until at a point has been liquefied by the rays of the sun, many hundred feet above the former vent, they During night or on the approach of Winter, burst through in a tremendous cataract, and jure the road by passing under. Provide then, knowing this fact—which is really a chemical

in the long progress of ages, these glaciers glacier could produce such consequences, what rounded, so that the water can readily find its might not be the devastation, if the whole four a similar position. Taking the glaciers as from three to fifteen miles long on the average, one to three miles wide, and from one to nine hundred tbick, the calculation has heeu made, that about thirty millions of enbic fathoms of ice are transported down the monntain ravines every year.

Looking up at the huge arches, lumps of stone, large and small were continually falling, now plunging into the stream, now clattering into the hollows of the moraines, indicating the ceaseless movement of the mighty mass above. It was rather a warm evening; hnt the vicinity of this huge mass of ice produced a cool, descending current of air, and it becontrast in view-a cataract of ice barred apparently by a dam of rocks, a torrent rnshing from beneath, a waterfall tumbling in crowds of spray from above. Within a few feet of the frozen mass, grass was growing with fir trees bordering it, until lost behind the bend towards Montanvert. It was in trnth Winter frowning in the face of Summer to resent the intrusion into his territory, yet held in check by Summer's warm and glowing breath. Far in the distance, looking upward along the glacier, rose the tall Aiguilles, with their lofty pinnacles tipped with the rosy hues of the sunlight that had long left the valley. It was a scene of beanty, once seen, never to be erased from the tablets of the memory.

# Fireside Miscellany.

#### THE DOUBLE TREE AT CHESTER, MASS.

THE March number of the American Journal of Sciences and Arts contains an interesting account, written by Payson W. Lyman, an Amberst College senior, of the remarkable nnion of two elm trees. This double tree stands about a mile from the little village of North Chester, in a narrow ravine, near a branch of the Westfield river. Its two parts rise from the ground at a distance of about 30 feet, one of the trunks betng 21 feet in diameter, and nearly 100 feet high, and the other somewhat smaller. 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 the ground, where it is firmly united and joined in a living connection, through which the sap apparently circulates freely. Its appearance is as though, at some early day of their history, a branch of the larger tree was bent over and grafted into the smaller, and tradition confirms the supposition. More remarkable, if anything than the union of the trees, are the three separate, npright trunks which have grown up 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 includes 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.

ROAD-MAKING.—The following hints upon tion; and as in the Spring much time is de-built up a new mansion in his own way, using voted to repairing and making roads, we give his tail both as a trowel and hammer. them for the benefit of farmers and others:

"In road-making, one great requisite is the cannot be a good road where water stands by if water remains on the upper side, it will inthe remnant is frozen into a mass of porons with a deafening roar, tumbled headlong upon if possible, for the thorough drainage of your one-spoil this favorite food. Soap stone gridice, which is again covered by a coating of the valley, sweeping trees, fences and dwell-troads, either hy surface or covered ditches. dles require no grease, and never burn the

way to the drains. If the soil is clayey or hundred, large and small, should he placed in loamy, give it a few inches of gravel, or even coarse sand, and you 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 roads may be had over the 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 should have heen made before, as it will serve to give national reputation to a most nseful 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 through 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 Soil.—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 the 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 thoroughly incorporate manure with the soil, no observing farmer can doubt.

STARCH IN POTATOES. - Dr. Nessler, of the Duchy of Baden, has sbown by analysis that the nntritive value of potatoes varies with their size, and in favor of increased bulk. Potatoes about two inches in diameter contain 17-2 per cent, of starch, and those about the size of walnnts 14-6 per cent. We infer that full growth is necessary to full development of

The dry air of Minnesota produces some curions results. Not long ago, a gentleman now living in Minneapolis brought a piece of hlack walnut from the East which had been nsed 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 thoroughly seasoned; but in less than six months in the new atmosphere it had undergone a change which had shivered the glass to atoms.

THE INDUSTRIOUS BEAVER.—The Garden of Plants in Paris now possesses a beaver from Canada, to which comfortable quarters have been assigned on the banks of the rivnlet which intersects a part of the menagerie. Desirons of meeting the wishes of the new comer in every possible respect, the administration had provided a hnt for it; but the Canadian stranger, having inspected the premises, and not found them to his taste, has this subject we find worthy of considera- pulled them down, and with the materials

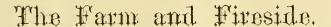
BUCKWHEAT CAKES, -- Hall's Jonrnal of ready and total removal of all water. There Health says buckwheat cakes, properly baked, are very healthy and nntritious. They should the side of it or on it. If the ditches have no be put on a soap stone griddle, over a good fire, ready outlet, the road bed will soak up the and turned once only, and the sooner they are moisture more or less by capillary attraction, eaten after baking the better and healthier they and thus remain rutted and muddy. It is vain are. When turned over more than once, like to think of having a good road on a subsoil wheat cakes, they are spoiled, and instead of filled with stagnant water. Even on side bills, heing the most nutritious of food, become the most indigestible. Some housewives, not

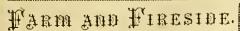


Beautiful Prayers.—The prayers are beautiful that reach the throne of God. The fervent prayer of the righteons man availeth much and is beautiful. The prayer of the widow and fatherless, who have no helper save He who heareth the orphan's cry, is indeed beautiful. The prayer of the infant who takes God's promise in his "most implicit grasp," as he does his mother's hand, is beautiful. The prayer of the lowly saint, unlettered and ungrammatical, is beautiful. The prayer of the poor man, when "God heard him and delivered him out of all his trouble," was beautiful. The prayer of the publican, who smote upon his breast, and said, "God be merciful to me, a sinner," was beautiful. The prayer of Stephen, when amid the storm of stones he cried, before he fell askeep, "Lay not this sin to their charge," was beautiful.









G. W. AND S. S. FOSS, EDITORS.

SATURDAY, APRIL 27, 1867

AGRICULTURE feeds us; to a great extent it clothes us; with-out it we could not have manufactures, and should not have com-ONLINGUE HERE I seds us; to a great extent it clothes us; with out it we could not have manufactures, and should not have commerce. These all stand together like pillurs in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### ORNAMENTAL TREES.

Norming improves the lawn, or the front yard to a house iu the country, more than a judicious selection of orunmental trees. They are not only an adornment, but a permanent improvement to the rural homestead. Even the eheap house, the plain eottage, rough, unpainted and constructed without architectural taste, are improved by contiguity of shade trees. The landscape is ideal and pieturesque only by fruit and forest trees; and the chief charm to country houses, in our estimation, is the ornamental trees which stand grandly organization as follows: around them.

Evergreens, among other varieties, should not be overlooked; and as they thrive in nearly all descriptions of soils, are not liable to failure. Among these we would recommend the Norway Spruce, Austrian Pine, White Pine and Hemlock Spruce. These are all beautiful trees. They grow large, eonsequently should not be planted nearer thau ten feet from the walk or road, else they will require trimming, which destroys their natural grace, fullness and heauty. Among dwarf evergreens, we like the Siberian Arhorbetæ, the English Yew, and the Irish Juniper. The best time for transplanting these trees is a mooted question. Some preter the Fall of the Meehau, in his hook on Ornamental Trees, says, "Autumn planting is preferable under most eircumstances; yet it ean be done in any season of the year." He adds:—"I have planted every month for experiment sake. The worst period is just after the tree has hurst forth its leaves in Spring." This is true; but there is little dauger to success if properly transplanted. We have set out evergreens in April, May, and even in June, and rarely lost a tree. In the Northern States June is regarded as a favorable time. Select smallish trees, plant on dry, or drained land, and with proper transplanting, they will generally live and grow vigorously.

# AGRICULTURAL FAIRS.

It is announced (not officially), that the Pennsylvauia State Fair will be held at Norristown, in September. The grounds have been used for the State Agricultural Society hefore, and are well adapted for the exhibition. As the selection is not a central location, we regret that the officers of the Society overlooked the elaims of Philadelphia. If the object is not to aecommodate contributors within the State, the next thing should have been to select a place that would net the largest revenue to the Society. Philadelphia has ample accommodations for an army of agriculturists; aud her resident eitizens and visitors would patronize the exhibition as liberally as any other section.

The New York State Fair will be held at Buffalo, from the 1st to the 4th of October. Buffalo is an out-side selection; and a great disadvantage is, that temporary buildings will weather, prevented winter-killing in a great have to be used. Western New York, however, has claims for the exhibition, as it has been several years since the State Fair was held at the point now selected. Besides, the Western portion of the Empire State elaims 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 holding the Ohio State Fair will he September 23d to the 26th. The place Dayton, the youngest and one of the most enterprising eities of the Buckeye State. All the to the Fair grounds are good. This eonsideration is an important one, and should be remembered by all executive agricultural committees.

# THE RHODE ISLAND SOCIETY FOR THE ENCOURAGEMENT OF DOMESTIC INDUSTRY.

The stated meeting of the standing committee on the 17th inst., was attended by seveuteen members.

The Treasurer made a report, showing a balance of \$62,30 in his hands.

The Secretary reported a list of articles reeeived at the rooms of the Society since the last stated meeting of the Board. Among these was a large number of the Annual Reyears 1864 and 1865, from the Hon. Thomas A. Jenekes. These are for distribution among persous engaged in agricultural and horticultural pursuits. The transactions of the New York State Agricultural Society in the year 1865, and the thirty-ninth Annual Report of the Ohio Mechanics Institute, 1867, received from those Societies, had been added to the

The stauding sub-committees reported their

On Mechanic Arts-Geo. F. Wilson, Chairman; William E. Barrett, Secretary.

On Fine Arts-Seth Padelford, Chairman; Joseph Hodges, Secretary.

On Zoology-George D. Wilcox, Chairmau; Charles N. Hoyt, Secretary.

On Miscellaneous Subjects-Henry Staples, Chairman; William Viall, Secretary.

The Executive Committee heretofore appointed for the Cattle Show and Industrial Exhibition, reported progress on the duties assigned them. It has been resolved to hold such an exhibition at Providence in the Autumn, in connexion with the New England Agricultural Society, the programme of which will be completed shortly. In view of this, year, while others select the Spring. Thomas the 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 subject proposed for discussion, was discussed at length by E. Dyer, E. A. Lawtou, C. Harris, G. F. Wilson, J. B. Francis, 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 entirely removed by the discussion. That diversity was mauifested by the remarks made, and apparently justified hy facts detailed. The general impression seemed to he, that if pursued beyond the second generation, "in-and-in breeding" was decidedly injurious; before that it would he less exceptionable, if accompanied with great eare in the selection of unimals to hreed from.

Twenty-two new members were added to the Society.

THE March Report of the Agricultural Department has been received. The stock tables are interesting, and show indications of increased attention to the breeding of farm animals. The fact is daily hecoming more appareut that stock-growing is a more profitable hrauch of agriculture than grain production, especially in localities distaut from market. The indications for a good wheat erop are generally favorable. The snows of the past Winter, and the general uniformity of eold

CHALLENGE ACCEPTED.—The challenge put forth by the owner of the great Kentucky mare, Lady Thorn, to trot four races at \$1000 a side each race, against any horse living, at mile heats and two mile heats, in harness, and eolleetion will tell whether it was so or uot. mile heats and two mile heats to wagon, has been taken by the owner of the renowned trotter Dexter.

The Ohio Wool Dealers' Association, which met at Cleveland, 18th inst., estimated principal railroads eenter at Dayton; eou- the elip of wool for 1866, at 75,000,000 of sequently the facilities for transporting stock pounds. That's "pulling the wool over our eyes," considerably.

> Many people who failed in mining in Nevada have made fortunes in farming.

honor and uphold such a man with all the energy in our power.

#### "BUCKS COUNTY FOWLS."

A DELAWARE correspondent, who is evidently well posted on domestic poaltry, says that "after a trial of four years, I have disearded the Bucks County fowls, as very unprofitable." As this correspondent fails to inform us why he bred this kind of fowl-whether for eggs, or for the table-we are not inclined to endorse his sweeping eouelusious that they are "very unprofitable,"

If we were to select a lot of poultry for ports of the Agricultural Department, for the good layers, it would not be the "Bucks County fowl," hut the Black Polands, Bolton Grays or the Dominique variety. To raise for market, the "Bueks County fowls" will bear reeommendation. They lay large, ciunamon colored eggs-from twelve to sixteen at a litterhut are rather poor sitters. Hence 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 not qualified to answer. Much generally depends on the feeding, the locality, and the attention given to young fowls.

> For eapons, we consider the "Bucks County fowls" very superior. Their great size, voracious appetite, fine flavor of their flesh, qualify them for this purpose. At maturity eapons of this hreed will weigh from seven to ten pounds each; and we once saw a pair that weighed over twenty-one pounds! In the Philadelphia markets they have a good reputation, and we have yet to hear of farm-yard fowls that exeel them for the table,

#### CLIMBING PLANTS.

No class of plants are more interesting and useful in the hauds of the tasteful gardener, than the elimbers, for eovering arhors or fences, shading windows, etc. First in importance among these is that old favorite, the Convol-VULUS MAJOR, or Morniug Glory, an aunual of easy culture, and consisting of many varieties, differing in color, as rose, purple, striped, etc. The seeds may be sown early in Spring, and support must be provided before the plants show a disposition to climb.

The COBEA SCANDENS is one of the most beautiful of the elimbers. If grown in a hotbed aud transplauted in May, it will make a growth of from twenty to forty feet, and afford a delightful shade. The flowers are hell-shaped, large and purple. The leaves are fine, and the tendrils, which are very delicate and threadlike, attach 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, making a most admirable Winter ornament. The Cohea should be planted in a warm situation, if possible.

The IPOMEA, or Cypress Vine, is another exeellent elimbing annual, that, like the preceding, needs a warm situation. The seed may be sown in the open ground during the latter part of May, but it is far hetter to grow plauts in a hot bed, and transplant about the first of June.

THE COMING WEATHER, -French seleutific meu prediet that the Summer of 1867 will be eold and wet like that of 1866, and they hase the prediction on the fact that immense masses of iec have broken or are about to break away from the extreme North, producing cold and vapor. These prognostications, however, are not much to he depended upou; for it will he recollected that last Fall, the absence of the usual quantity of small truits, uuts, &c., and various signs hesides, augured a very mild Winter, especially in the West. Everyhody's re-

The Executive committee of the New York State Agricultural Society have resolved to hold their next annual exhibition at Buffalo. The trial of implements is to take place at Utica in May.

The Farm and Fireside in Monthly Parts.

llereafter the FARM AND FIRESIDE can he had in Monthly Parts, in neat covers, at twenty-five cents each. Those for January, February, March and April are now ready. For sale hy all newsmen.

#### SOIL FOR THE FLOWER GARDEN.

The best soil for the garden is a mellow loam, but almost any fair soil ean he made suitable by draining, deep digging and enriching with good stable manure, or compost made of stable manure, leaves, sandy loam, etc. If the soil is heavy, sand and ashes may be applied with advautage. The compost or manure, if well mixed with the soil, will mellow it, and work a decided change in its texture in a few years. The thorough preparation of the soil is a very important matter, in faet, the foundation of all good culture, and must not he slighted. We would recommend that the ground should he dug and mellowed thoroughly eighteen inches deep. This may he eonsidered troublesome, but it must be remembered that in the garden everything must be grown in the highest perfection to afford pleasure. If we would obtain flowers such as are described in the journals that treat of gardening, and are figured in colored plates, we must give them the very best of fare. This is the reason why some are disappointed. They read descriptions of choice things, and purchase seeds at a high price, but at the time of flowering they find they are not what they anticipated. The description which induced them to buy was of flowers well grown; they have given theirs no more eare than they would a cabbage or a hill of corn; hence the difference.

#### A FRUIT EL DORADO.

It would seem that the soil and elimate of Florida is especially adapted to fruit eulture. Solon Rohinson says that a man would be pretty sure of a fortune from a nursery established immediately at St. Augustine, or rather preferably, at Jacksonville; for the country is rapidly settling with people who will want to plant a few oranges, lemous, limes, eitrons, shaddocks, guavas, banauas, peaches, and ornamental trees and shruhs, which no one knows, now, where to ohiain. Thousands of wild trees have been trausplanted from the woods to gardens the present year. In some places tracts of wild oranges have been hought, and the process of converting them into sweet fruit commenced. The common way of starting an orange orchard is to go to the woods and dig up some orauge trees, which are found abundant in some locallties, and cut off the entire top, and bring home the stump with a few roots to plant, The sprouts start directly, and when large euough ean he budded with any variety of the orange family, which is very numerous, iueluding all sorts of oranges, lemons, limes, shaddoeks, and citrons. There is no fruit so easy of propagation, for the seeds of each sort produce its like. The huds take readily, and produce fruit in four or five years-from the seed in eight or teu years.

GREAT SALE OF THOROUGH-BRED DEVON STOCK.-Mr. E. S. Penniman's sale of Thorough bred Devon Stock took place at his residence in Woodstoek, Coun., April 18, 1867, when he sold his entire herd of Thoroughhreds. The sale was well attended by gentlemen from different parts of New England, and the hidding spirited. Mr. John Dimon, of Pomfret, Conn., was the largest purchaser, he having purchased one half of all the Thoroughbred stock offered for sale, among which v some of the finest Devou Cattle in New England, several of which were "herd-book" premium animals,

THE AGRICULTURAL COMMISSIONER - The Senate spent two hours in discussing the no mination of H. L. Capron of Illinois as Commissioner of Agriculture, and postponed it until December next. The opinion was expressed in the debate that the agricultural soeieties throughout the country should unite on a good man for that place, and that the President should nominate the one agreed on.

MR. PARDEE of Illinois, has found that lime slaked in salt brine, sown broadcast, has kept insects from strawherries.



THE world is erazy for show. There is not one person in a thousand who dares fall hack on his real, simple self, for power to get through the world, and exact enjoyment as he goes along. There is too much living in the eyes of other people. There is no end to the aping, the mimiery, the false airs and the superficial airs. It requires rare courage, we admit, to live to one's enlightened convictions in these days. Unless you cousent to join in the general cheat, you are jostled out of reach, there is no room for you among the great 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 something fresh and invigorating in such an example, and we should have a man with all the energy in our power.







# The Fireside Muse.

#### TRAILING ARBUTUS.

Sweet surprise for April Met me on a day, My friend, smiling, laden With May flowers, ere the May Sweeter hlossoms never grew, May and morning, sun 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
I hold them, for these and thee.

# Fireside Tale.

#### AN ENGINEER'S STORY.

I AM an engineer. For since--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 same engine 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, running, 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 had a dollar or two put by for a rainy day. I was an odd kind of a man. Being shut up with the engine, watching with all your eyes aud heart aud soul, inside aud out, dou't make a man talkative.

My wife's name was Josephine, and I called her Jo. Some people called me unsociable and couldu't understand 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 many acquaintanees as most people, and did not care to have. The house that held my wife and and my resolution. baby was the dearest spot on earth to me, except the old house that held my mother, up at

I never helonged to a club, or mixed myself up with strangers in any way, and never should, if it hadn't been for Granby. You see Grauby was one of the shareholders, a handsome, showy fellow. I liked to talk with him aud we were friends. He often rode from Z to A, and back again, with me, and once he five minutes to reach the depot! said:

"You ought to belong to the Scientific Cluh, Gueldeu.'

"I uever heard of it," said I.

"I am a member," said he. "We meet rushed away. I was just in time. ouee a fortuight, and have a jolly good time. We want thinking men like you. We have some among us now. I'll propose you if you post I could hear the people talking-bidding

I was foud of such things, and I had ideas that I faucied might be worth something. But then an eugineer don't have nights or days to holders—he was bidding two timid girls adieu. himself, and the club would have one evening a fortuight from Jo. I said:

"I'll ask ber. If she likes it, yes."

"Ask whom?" said he.

"Jo." said I.

man's wife-would have said, 'Cau't spare you, the two together." dear, aud said Grauhy.

"I shall miss you, Ned; but you do love such things, and then if Granhy belougs, they the signal. We were off. 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, and Granby proposed me. Thursday fortnight I went with him to the rooms. The real business of the evening was the supper, and so it was every evening.

I'd always heen a temperate man. I ac- you are about.' tually did not know what effect wine would

found 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 to could not remember what I should do-was it Grauby:

"By George, that's a man worth knowing. I thought him dull at first." Yet I knew it was better to he quiet Ned Guelden, with his ten words an hour, thau the wine made wit I

I was sure of it, when three months after I stumbled up stairs to find Jo waiting for me there gazed at my work. with her bahy on her hreast.

"You've been deceiving me," said Jo. "I suspected it, but I wasn't sure. A scientific eluh eouldn't smell like a har-room."

"Which 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 herself and baby in the spare bed-

One cluh night, as I was dressed to go, Jo stood hefore me.

"Ned," said she, "do you think a thing so much like a bottled up and strapped down demon as steam is, is fit to put into the hands of 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 eugiueer 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 her.

"Don't be afraid, child. I'll never pain you

Aud I meant it; but at twelve o'elock that night I felt that I had forgotten my promise

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. A waiter stood ready to brush my eoat; I saw a grin on his face; my heart seemed ready to burst; my hand tremhled; I looked at my watch; I had only just

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

The San Fraucisco glittered in the morning The ears were filling rapidly. From my cach other good-bye, promising to write and come again. Amongst them was an old gentleman I knew by sight—one of the share-

"Good-bye, Kitty—good-bye Lue," I heard bim say: 'don't be nervous. The San Franciseo is the safest engine on the line, and Guelden the most careful engineer. I wouldn't be afraid to trust every mortal I love to their "If every man had asked his wife, every keeping. Nothing eould happen wrong with I had lived through it as though it were a re-

I said I'd get through it shall never talk to me again. After all, it was easy enough. I reeled as I spoke. I heard

Five hours from L to D; five hours back. Ou the last I should be myself again. I knew now, I saw a red flutter, and never gnessed what it was until we were past the down train at the wrong place. Two minutes more and we should have had a collision. Somebody told me. I laughed. I heard him say respectfully:

"Of course, Mr. Guelden, you know what

have on me; but coming to drink more of it should go faster or slower. I did something hand as absolutely everything.

than I ever had before at the elub table, 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 making? didn't know.

Rattle, rattle! I was trying now to slaeken the speed of the San Francisco, I this or that? Faster or slower? I was playing with the engine like a child,

Suddenly there was a horrible roar—a crash! I was fluug somewhere. I was in the water. By a miraele I was sohered, not hurt. I gained the shore. I stood upon the ground between the track and the river's edge, and

The engine was in fragments and the cars iu splinters; dead and dying, and wounded were strewn around-and meu, women aud ehildren-old age and tender youth. There were groans and shrieks of despair. The maimed eried out in paiu; the uniujured bewailed their dead; and a voice unheard by any other was whispering in my ear "Murder!"

The news had gone to A., and people came thronging down to find their friends. dead were stretched on the grass. I went with some of the distracted to find their lost ones. Searchiug for an old man's, I came to a place uuder the trees, and fouud 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 about? 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 me to atoms!

"His head is extremely hot," said some-

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 pieces," said I, "for

the train went over me; hut I feel no pain." "There he goes about that train again," said ny wife. "Wby, Ned!"

I tried to move—there was nothing the matter with me; I was in my own room, opposite chauting, never the same. me a crih in which my two children were asleep, heside me a tiny hald head. My wife and children were safe! Was I delirious, or what could it be?

"Jo," cried I, "tell me what has happened! "It's nine o'clock," said Jo. "You came home in such a dreadful state from the club 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 death

with a dreadful talk," And Jo began to cry.

It was a dream; only an awful dream. But

'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 verdict will not he, as it has so ofteu, "The engineer was

WHETHER your life is to be long or short, let it he a life in earnest—a life that shows re-Then I was alone and wondering whether I ligion, not as something among other things,

# Miscellany.

#### 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 county, twelve miles North of the Dubuque and Pacific railway, and about one hundred and fifty miles West of Dubuque city. The lake is from two to three feet higher than the earth's surface. In some places 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 construction; the whole of them varying in weight from three tons down to one hundred pounds. There is an abundance of stones in Weight county; hut surrounding the lake to the extent of five or ten miles there are noue.

No one can form an idea as to the means employed to bring them to the spot, or who constructed it. Around the entire lake is a belt of woodland, half a mile in width, composed of oak; with this exception the country is a rolling prairie. The trees must have heen planted there at the time of the building 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 twenty-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 where it goes, yet it is always clear and

THE MOST PERFECT BEAUTY.—That is not the most perfect heauty which, in public, would attract the greatest observation, nor even that which the statuary would admit to be a faultless piece of clay, kneaded up with blood. But that is true heauty, which has not only a substance, but a spirit—a beauty that we must intimately know, justly to appreciate; a heauty lighted up in couversatiou, where the mind shines, as it were, through its casket; where, in the language of the poet, "the eloquent hlood spoke in 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 which hespeak that their owner has a soul. This is that beauty which never eloys, possessing charms as resistless as the fascinating Egyptian, for which Autony paid the "hauble" of the world—a beauty like the rising of his own Italian suns, always en-

CLOVER.—Clover differs entirely from tbc cereal plants in this respect, that it sends its main roots perpendicularly downwards, when no ohstacles stand in the way, to a depth which the fine, fibrous roots of wheat and barley fail to reach; the principal roots of clover hranch off iuto ereeping shoots, which again send forth fresh roots downwards. Thus clover, like the pea plant, derives its principal food from layers helow the arable surface 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 a sufficiency of food in fields where peas will no longer tbrive. The uatural cousequence is, that the subsoil is left proportionably much poorer by clover than hy the pea. Clover seed, on account of its small size, can furnish from its own mass but few formative clements for the young plant, and requires a rich arable surface for its development; but the plant takes comparatively hut little food from the surface soil. When the roots have pierced through this, the upper parts are soon covered with a corky coating, and only the fine root fibres, ramifying through the subsoil, convey food to the plant.—Liebig.

Woman will be always pure if man will be always true.



WOMEN AS TEACHERS.—In an article on the success 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 theory of the majority of people that women, as teachers, are necessarily always inferior to men. If we are to judge by results—the sole popular test now-a-days—we flud that, at least in this instance, thoroughly educated and competent women have proved themselves perfectly successful instructors. As elements of success in the teaching of women, when compared with that of men, we think there may be taken into account their greater patience and attention to detail, and their smaller tendency to make favorites in teaching their own sex."







# Various Matters.

#### AGRICULTURAL ITEMS.

The cranberry vine on Cape Cod, Mass. so far as appearances indicate at this early date, are doing well. There are over a thousand acres set with vines on the Cape, and with a fair yield they would supply the market of the State, and already many have received fine returns for their labor and expense.

Capt. Robert Bayley of Newburyport, Mass. has a fusehia which has now five hundred and sixty flowers. It is but ten months old.

It is proposed to grow eorn instead of cotton in the Southern States this year, as the only means of self-rescue from famine.

Burnt clay and charcoal in equal proportions

The Agricultural Commissioner, in his March monthly report, just received, has "no doubt of the efficacy of copperas mixed with in a dry napkin, and place immediately on the trichina." This belief is based on his success with this treatment in destroying ordinary intestinal worms.

Should all animals except the eow die, the loss could be borne. Should she alone die, you would have mourning. She should be treated as tenderly as one's wife. Keep her clean, feed her well, and respect her. Think of a cow standing all night in a fence-corner, and her back covered with ice and snow.

The most extensive paper making establishments in the world are at Vienna, and the stock used is said to be wholly corn-stalks. A husking machine was lately exhibited in New York, which it is believed will enable American farmers to utilize this material to a greater degree than heretofore.

The Monthly Report of the Agricultural Department for February, gives a statement by which it appears that the aunual yield of milk in the famous dairies of Ayrshire, Scotlaud, is 425 gallons per cow. The Hon. Zadock Pratt, of New York, in a dairy of 80 cows, reports the yield at 584 gallons.

Last year California imported 52,000,000 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 well up the second crop should be planted; beets should be planted at different times, and swect corn every two weeks 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 hundred pounds each; twenty-four hours aflike sngar cane, once planted, always is 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 tobacco, the latter being very slow of the common practice of ordering large trees.

much easier than they can buy it, and there season.

GREAT SALE OF MULES. - We are informed that Mr. James Buckalew, of Jamesburg, N. J., recently sold a lot of five hundred mules to the Delaware and Raritan Canal Company for acres. - Country Gent.

How to have Mealy Potatoes.—It is difficult to get good potatoes, and harder still to get bed the other night about dark, when he obthem cooked so that they may come upon the jected to going so early. His mother told him table mealy and fit to cat. At this season of the year, particularly, and until the new crop comes, almost all potatoes when boiled are apt to be water soaked and soggy, and we are sure to bed first, and then coax the chickens to the lovers of this esculent will thank us for giving them a receipt for having mealy potatoes every day in the year, -not a faney one made to order for a cook-book, but one that has stood and will stand the test of constaut practice. It is very simple, and involves only a slight inerease of trouble and labor over the ordinary method of cooking. Pare the raw potatoes and let them stand an hour or so in a basiu of water iu which a pinch of salt has been added. Boil quickly, when done, drain off the water earefully, and replace the potatoes upon the make a sure remedy for seours in calves and stove, in the same vessel in which they were cooked, to dry for five or ten minutes. When ready to serve, take each potato and squeeze it gently,-but not enough to destroy the form,the salt given to hogs as a destroyer of table. The squeezing in the napkin takes out all the water and leaves the potatoes that were before wet and heavy, dry, mealy and delic-

The Farm and Fireside.

THE HEAD TURNED ROUND .- A crazy man was found at a grindstone sharpening a large hutcher knife, and every now aud then examiuing 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 sharpened?"

"Cut old Ben Browu's head off, to be sure."

"What! you won't kill him, will you?"

"Oh, no! I'll only cut his head off and stick it right on again kind-side before, just to let the old fellow look back upon his past life! It would take him all the rest of his life to re-

What a queer idea the lunatie had in his head! And what if it were so, that every man when he reached a certain age had his face turned 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 in Paris: A lady in the first soeiety was recently obliged to dismiss her nurse on account of an excess of firemen and private soldiers too often repeated. After chosing as a successor to this criminal a very pretty girl, the lady explaining why the first was sent | Veal. | 16a20c | Tripe. | 12c | 18c | 1 away, enjoined it on the second not to do likewise. She admitted that she shouldn't. "I can endure a great deal," said the lady, "but soldiers about my kitchen I won't endure.' After a week or eight days, the lady came one ter being cut it is laid out in long bands of morning into the kitchen, opened a cupboard, pure white floss, ready to spin. It is planted and discovered a youthful military character, "Oh, ma'm!" cried the girl, frightened, "I planted, grows twenty feet high, sells for twice give you my word I never saw that soldier before in all my life; he must have been one of the old ones left over by the other girl!"

Many trees will be purchased this month, and we would give a word of caution against A small, well grown tree with an abundance There is a general impression among New of small roots, is greatly preferred to a tall, England farmers that they can raise their wheat much branched one with its large roots chopped off in the digging. Some of the best will be a considerable breadth of it sown this Western orehardists prefer trees one year from the bud or graft, to any other. Heel-in at once, trees that arrive before you are ready to plant; bury their roots well in a sandy place, and they may remain for weeks without injury.

TWENTY-THREE WHEAT CROPS FROM THE ninety thousand dollars, and took a single Same Soil.—An English country gentleman check for the amount and put it in his pocket! has been experimenting for twenty-three suc-We oceasionally hear of arge sales of stock cessive years on the same land, in wheat culin the West, but if any of the great prairie ture. He has fertilized with farm-yard and farmers of that region can show us something with artificial manures, and the average yield equal to the above, we shall be glad to make per acre in bushels has been thirty-five for the a note of it. Mr. Buckalew is now finishing former, and thirty-nine for the latter. For off a cranberry bog of one hundred and fifty the last three years the yield of wheat has materially declined.

A LITTLE boy in Wiseonsin was being put to the chickens went to bed early, and he must do so too. The little fellow said he would, it his mother would do as the old hens did-go

#### THE FARM AND FIRESIDE AND THE PATRIOT FOR \$4.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we will send the FARM AND FIRESIDE and the WOONSOCKET PATRIOT for one year. The subscription price of the latter, alone, is \$2.50. The Patriot is an old established family newspaper, with the largest circulation of any country journal in New England.

S. S. FOSS, PUBLISHER,

Woonsocket, R. I.

### Marriages.

In Lonsdaie, 23d inst., in Christ Church, by Rev. W. W. Sever, William Wood to Sarah A., daughter of the late William Jordan. In Millville, April 20th, by Willard Wilson, Esq., Mr. Joseph Ottinger of Millville, to Miss Salena Brsy of Slatersville.

In North Scituate, 18th inst., by Rev. W. H. Bowen, George N. Steere, of Wickford, to Miss Annie E. Potter, of North Scituate.

In Medway, April 17th, by Rev. D. Sanford, Dea. Wm. L. Weeks, of Marlborough, to Miss Ellen F., daughter of Mr. Clark Walker of Medwny.

In Webster, Mass., April 13th, by Rev. C. W. Beding, Mr. Ilorace Gay to Miss Louisa M. Heath.

# Deaths.

In Gloucester 19th Inst., Nancy B., wife of Joshua Bowen, and daughter of the late Nicholas Bussey, aged 63 years. In Hopedale, April 4th, Mary J., wife of Pliny B. Southwick, 33 yrs. 9 nos.

In Grafton, Mass., 22d Inst., Percilla Goddard, wife of the late Perley Goddard, aged 95 years.

In Uxbridge, Mass., on the 22d lnst., Mr. Josiah Cummings, aged about 55 years. He was a man of kind heart and generous sympathies; a good neighbor and true friend. His funeral took place on Wednesday, with Masonic honors.

In 1'rovidence, 23d lust., Dexter Rundall, in the 80th year of als age.

In Franklin, April 13th, Miss Julia A. Dean, in the 59th year her age. In Holliston, April 13th, Mr. Duniel E. Wilber aged 54 years, tember of Co. B., Mass. Volunteers from that town. In Medway, Herhert Amsden, aged 20 years.

# The Markets.

# WOONSOCKET RETAIL MARKET.

Straw # ton£20	Beans 🕏 quart13c				
Coal # ton\$10 50a12 50	l'otatoes90c				
Oats # bush85a90c	Onions90c				
*					
GROCER					
Flour\$16, 18a19 20	Raisins22a25c				
Corn Meal	Molasses 📆 gal				
Rve\$1 50	Y. H. Tea				
Saleratus10n15c	Black Tea80ca 1 20				
Kerosene Oll	Oil 🔂 gal				
Cheese 🔁 tb24c	Fluld # gal\$1 00				
Butter & fb40, 42a45c	Caudles 7 lb25a50c				
Codlish8c	Eggs to doz30c				
Java Coffee ₩ tb25a50c	Lard # lb16ac18				
Mnckerel, new10a12c	Sugar # lb14a18c				
MEATS, &c.					
Beef Steak					
Beef, corned12a16c	Poultry20a25c				
Tongues, clenr25c	Shoulders15c				
Mutton	Sausages20c				
Veal 16020c	Trine 19e				

### BRIGHTON CATTLE MARKET.

April 24, 1867.

April 24, 1867.

At market for the current week: Cattle, 1282; Sheep and Lambs 4207. Swine, 1750.

PRIOTES Beef Cattle—Extra, \$15, (@ \$15.50; first quality, \$13.00(@\$14.75; second quality, \$13.75(@\$14.25; third quality, \$13.00(@\$14.50) \$\frac{1}{2}\$ 100 fits (the total weight of hides, tallow and dressed beef.)

Country Hides,8%@9c 岩 lb. Country Tallow 6%@7c 岩 lb. Brighton Hides, 9%@10c. 岩 lb; Brighton Tallow, 7%@8c

Wood Sheep Skins, \$1 75@\$2 25, green; Sheep Skins, \$1 25

wood Sheep Skins, \$1 706,352 25, green; Sheep Skins, \$1 25 € 2.25.

\$2.25.

Frices have advanced nearly if not quite a dollar a hundred from last week's prices.

Working Oxen.—Sales nt \$145, \$160, \$175, \$190, \$200, \$210, \$230, \$195, \$270, \$225 and \$325 per pair. There is a good supply in market, and a very firm demand.

Milch Cows—Sales extra nt \$55a110; ordinary \$65.€\$75.—Store Cows \$55a50.

Sheep and Lambs.— We quote sales of lots nt 4, 4%, 6, 6%, 74, 8%, 93% € ₽ D. Trade is quiet, and the supply not so large as last week.

Swine—Wholesale, 6%, 8% cts ₽ lh.; retail, 7.€9% cts ₽ lb. Fat Hogs—1000 at market; prices, 9€.9½, c. per pound.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

Most staple articles, except corn and cotton, have been quiet uring the past week. The former advanced materially, while

Most stapic arrows and the former advanced minerally, under the latter declined rapidly.

Flour has sold slowly at Irregular rates. Low grades have declined and sold at reduced prices, while choice brands have been in diminished supply, and sold at hetter rates. The stock has been diminished slightly, but we find the assortment of really good brands is very poor. There has been more done for export, both for the West Indies and British Provinces, at the concession. The trade has operated cautiously.

Wheat bas fluctuated somewhat, and common qualities have declined, closing very heavy. Choice qualities are held firm, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and are in limited supply. The stock is reduced to about 1,150, and 1,50 and 1,5

outlity.

Oats have fluctuated rspldiy, particularly the common qualities. At the close all kinds nro firm. The stock is reduced to about 1,250,000 hushels.

Rye had declined considerably, but at the close there is more firmness. The stock is reduced to about 260,000 bushels. The demand is fair.

The corn market has been much excited. Prices have improved, but ductuated with the variable news from Europe. The advance during the week was about two ceuts a bushel. The demand has been large by speculation, although fair for home use. The stock is reduced to less than 1,200,000 bushels. At the close the market is strong.

the close the market is strong.

Pork has been netive, but at lower rates. The receipts have

For a nas open neave, but at lower rates. The receipts have heen liberal.

Boef, under light receipts and an active demand, has advanced. The stock of good heef is nearly exhausted.

Cotton has been much depressed by the unfavorable news from Europe. The decline during the week has been two and a half cents a pound.

Groceries have heen quiet without material change.

# Hew Work.

# Great American Tea Company.

# THE IMMENSE PROFITS

#### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY hecame fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumr refore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these

necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American houses, leaving out of the account entirely the profits of the Chinese

leaving where the control of the process of the frequency 
cases.

4th. On its arrival it is sold by the cargo, and the Purchaser sells to the Speculator in invoices of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Pealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Deafer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit he can get.

an get. When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the const has to pay. And now we propose to show why we can sell so

very much lower than small dealers. We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and n small

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them nt our Warehouses in this city.

Some parties inquire of us how they shall proceed to get up a The answer is simply this: Let each person wishing to join in a club say how much ten or coffee be wants, and select per or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate puckages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, ns may suit the convenience of the Club. Or If the amount ordered exceeds thirty dollars, we will, if desired, send the goods by Express, to " collect on delivery."

Hereafter we will send n complimentary package to the party getting up the club. Our profits are small, but we will be as liberal as we can afford. We send no complimentary pack-age for Clubs less than \$20.

Parties getting their Tens from us may conddently rely upon getting them pure and fresh, as they come direct from the Custom-llouse stores to our warebouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

PRICE LIST:
YOUNG HYSON (Green), 80c., 90c., \$1, \$110, hest \$125 % fb.
GREEN TEAS, 80c., 90c., \$1, \$110, hest \$125 % fb.
MIXED, 70c., 80c., 90c., best \$1 fb.
JAPAN, \$1, \$110, hast \$125 % fb.
OOLONG (Black), 70c., 80c., 90c., best \$1 % fb.
IMPERIAL (Green), best \$125 % fb.
ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$110, hest, \$120 % fb.
GUNPOWDER (Green), \$125, best, \$150.
These Teas are chosen for their lutripsic worth, keeping in

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drink-

Ing them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit off tastes, heling composed of the best Foo-Chow Blacks and Moyune Greens. English Rreakfast is not recommended, excepting to those who have nequired a taste for that kind of Tea, nitbough it is the finest imported.

Customers can save from 50c. to \$1 per lb by purchasing their

#### THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE. 20c., 25c., 20c., 25c., best 40c. per pound. llotels, Saloons, Boarding-house keepers, and families who use arge quantities of Coffee, can economize in that article by us ng our French Breakfost and Dinner Coffee, which we sell ashe low price of 30c. per round, and warrant to give perfect satisfaction.

satisfaction.

Club Orders.

Washington, Pa., Nov. 10, 1866.
To the Great American Tea Company.

Nos. 31 and 33 Vesey-st., New-York.

Gents: 1 forward you my fourth order and could have doubled it if I had collected any, as your Teas take the lend in the market, we feel it a saving of Siper pound. Please accept my thanks for the complimentary pa press, Martin Luther, Washington, Pa.

	10	TOURE II	son, in poulin packagesat &	-D	- E
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Sprouts and Eyes.—The root of the potato sprout or eye extends to the center of the tuber. Sever the sprout or eye from its root, and you lessen 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 planted, will commonly 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 the piece, the more feebly it will grow. As to planting small potatoes, it is contrary to all analogy. When farmers winnowed their wheat in the wind, they kept the but of the heap for seed. Gardeners always prefer the middle head of the parsnip for seed. Thus with all kinds of seeds; the largest, most perfect and best ripened are always preferred.—New England Farmer.



# The Farm and Fireside.



# Sheep Husbandry.

CARE OF SHEEP AND LAMBS.

making up the profit as these. Especial care is required, particularly at the lambing season; way: a little negligence now will take very much from the profits. The ewes, previous to lambing, should be judiciously fed, neither stinted and given the same number of times daily, nor pampered, as where such is the case the is very effectual in checking diarries in labors of the flock-master will be comparatively light. The young will come into the world, vigorous and active, requiring little or pended. uo care, except such as is afforded by the ewe. Atteution should always be given to some few points which experience will teach; hut some who lack that experience will, perhaps, be beucfitted by the following practical sugges-

The flock should at all times be encouraged bribe of a few handfuls of oats or corn, scatauy which may be uear you kindly, also, prosmall matters you will teach a flock to follow you to any desired place. Ewes with young are often injured by their efforts to escape when being driven into an enclosure; and especially is this so when the flock has not been gently cared for and handled previously. Sheep being well protected by a thick covering of wool, suffer less from the cold than other stock, provided it is not stormy. They require a more free circulation of air than other stock, and for this reason should, in owner of sheep. They are useful for keeping clear and pleasant weather, be allowed the off dogs and foxes, the latter being very derange of a large yard or field during the day. There, if the weather be mild, they will drop their lambs with greater certainty of their doiug well, than when confined in pcns. The field for their range at this time should be dry aud free from ditches and sunken places, where the sheep may be liable to get cast. Cold nights, and rainy weather, they should be sheltered, as a few hours exposure to cold aud storm may destroy many young lambs. Their sheds should be roomy and well ventilated; and no more than twenty-five or thirty head should be together in an enclosure, as moving about is apt to injure the lambs, or the dam may be crowded away, and the lamb be unable to suckle.

Keep pens clcan, and without too much litter to entangle the lambs. Remove any tags, or any other filth from the udder. An early and good supply of food from the dam is essential for nourishment, and the medicinal effect it has upon the young lamb. It is not best to interfere with the process of parturition but sometimes, in case of extreme exhaustion, very gentle assistance in conjunction with the efforts of the animal, will be found to be uecessary—it should be of the gentlest kind. If the dame refuses to own her lamb, hold her for the lamb to suckle, and confine them in a small, separate pen; one or two trials will usually be all that is necessary, before the dame will acknowledge her parentage. In case a good ewe loses her lamb, she should be supplied with one from a twin pair. If no lamb be given her the milk should be drawu a few times to prevent inflammation. dant uourishment should be provided for the lambs, by giving the ewes good pasture; if this be short, make it up hy a daily feed of grain.-W. H. White, in Rural American.

### DIARRHEA IN SHEEP.

SHEEP are more subject to diarrhea than auy of the domestic animals. They are especially apt to suffer from it when their usual diet is changed. When sheep are changed from a dry kind of regimen to an almost cxclusively turnip diet, or indeed to any other kind of watery food, diarrhea is produced, which frequently proves fatal if the weather is WHITE FRENCH TURNIP, of the purest kind, raised and which frequently proves fatal if the weather is Feb. 23, 1867.

cold. It is also a symptom of several blood W. E. BARRETT & CO., PROVIDENCE, R.I. diseases, as nature endeavors to throw off the virus from the system by means of the intestinal surface. Many medicinal agents are Hier prices for wool and mutton are not all also enminated from the system.

that is required in order to make sheep raising and if salt or any similar substance enters too that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required in order to make sheep raising largely into the composition of the food, it lightly that is required to make sheep raising largely into the composition of the food, it lightly that is required to make sheep raising largely into the composition of the food, it lightly that is required to the composition of the food of the may be removed from the system in this

> Half a drachm of sulphuric acid to a quart of cold water, divided into three or four doses sheep. When the fæces assume a more solid consistency, its administration should be sus-

> B. E. Chase, of Salem, N. H., gives the following remedy for stretches in sheep, in the Country Gentleman of April 4th:

"Red peppers, four good sized ones, cut in small pieces, put into a pint of hot water, and let it staud on the stove twenty or thirty minto tractability; and especially at this season. utes—then strain off the water, and pour it Gentleness and kindness, together with the down the sheep's throat as hot as it will do to give it-has cured two sheep this Winter-one tered among them when visiting their yard, every bad, could not stand-gave the second will make their master welcome, and noticing dose in half an hour, which cured her; the other had one dose and was well in less than motes good feeling; by a little attention in an hour-have not seen any symptoms of it

> Dogs and Sheep Bells.—An experienced breeder of sheep says, that a number of sheep in any flock wearing bells will keep away dogs. He allows ten bell sheep to every hundred. When sheep are alarmed they run together in a compact body, and the ringing of all the bells frightens the dogs. In Great Britain and Ireland bells are used by almost every structive to lambs where this precaution is uot taken.—Canada Farmer.

> SHEEP IN CARROLL Co.-There are many roung sheep and some old ones dying, and it ppears in our country no curc is known. The sheep become scabby and foul at the nose, which is the forerunner of a fatal disease. I hope some onc will suggest a cure, for the benefit of our sheep-raisers.—Ohio Farmer.

> C. C. B., of St. Albans, Vt., suggests the following as the best method of warming chilled lambs: "Put half a dozen hot bricks in a bushel basket, cover them with fine straw, and put the lamb on the straw."

"SHEPHERD," in the Country Gentleman, reports the sheep trade in Western Vermont in a flourishing condition. He informs outsiders in want of sheep that they need not generally, as nature will usually afford relicf; come to Vermont thinking to buy good sheep auy cheaper than in former times.

# TERMS OF ADVERTISING.

A limited number of advertisements will be published in th FARM AND FIRESIDE. Price, fifteen cents a line each inser-

# Advertising Bepartment.

### Rhode Island.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. L

DARRETT'S EXTRA EARLY CABBAGE,—The hest and largest in the market. Price, 25 cents a paper. Raised and sold by W. E. BARRETT & CO. Providence, Feb. 23, 1867.

ROAD SCRAPERS, made of old Car Wheels, for sale hy
W. E. BARRETT & CO.,
32 Canal Street, Providence, R. I.

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

Seed Peas, R. I. White Cap Corn. London Hort, and Concord Pole Beans.

GARDEN SEEDS.

Paised for us with great care. 200 Barrels dry ground Bone for Manure, together with all kinds of Farm Implements and Manure, together with all kinds of Farm Implements Mac binery.

Send for Circular of Mead's Conlcal Plows and Share's Horse Hoes—and don't forget the number,

32 CANAL STREET, 32.

PROVIDENCE. we-tf

SEEDLING POTATOE. COOKE'S RATTLER,

a new and very snperior Seedling, grown by Joseph J. Cooke, Esq., of Cranston, and now offered for sale as the best LATE KIND in the market. It is a rusty coated, light red, round, great yielder; white and perfect inside, and a splendid Table Potatoe. Price, \$3.00 per bushel. Sold only bett & CO., W. E. BARRETT & CO., PROVIDENCE, R. I. April 13, 1867.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Holder's Block, Main Street, Woonsocket, R. 1.

W. E. BARRETT & CO.,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS. SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS GARDEN BARROWS,

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINGED HARROWS, CULTIVATORS. ROAD SCRAPERS, OX YOKES, AND PLOW CASTINGS;

And Wholesale Dealers in

Hoes, Sbovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks. Hand and Horse Rakes, Hay Cutters, Corn Sbellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES,

Whitcomb's Patent Horse Rake, and the best Hay Tedder in the market. Prices low and Terms Cash.

OFFICE, 32 CANAL STREET,

PROVIDENCE, R. I. we-tf

W. E. BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Sbares' Patent Horse Hoes, Chase's Two Horse Potato Higgers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

# Massachusetts.

L ADIES, ATTENTION!—A SILK DRESS PATTERN, or ISEWING MACHINE, sent free, for one or two days' service in any town or village. Also, a gift sent free, by addressig with stamp,

W. FISK & CO., 17 State Street,
BOSTON, Mass.
4w-we-14

COUTH DOWN CO.'S PATENT

TICKS, SCAB, VERMIN AND FOOT ROT should he used by all Farmers on

SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for rears, and never fails to produce the desired effect when used according to directions.

It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep. 1t cures SCAB on Sheep.
It cures all SKIN DISEASES on Animals.

It kills all VERMIN that Infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers. Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts.

For sale by KENDALL & WHITNEY, Portland, Me.; N.S. HABLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866. 4m-we-9

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS.

OASH ADVANCES MADE ON CONSIGNMENTS.

233 State Street, and 130 Central Street, Boston. New England Agents for the

NONPARIEL FRENCH GUANO.

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THE FARM AND FIRESIDE 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 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 offensive 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



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SINGLE COPY, FIVE CENTS.

VOL. 1.

# WOONSOCKET, R. I., SATURDAY, MAY 4, 1867.

NO. 17.



ONE of the most rare and beautiful flowers introduced into this country, the present year, is the Boeconia Japonica, a perfectly hardy plant, growing to the height of five to six feet. It looks a little like the old, handsome Bocconia Cordata; but surpasses it in point of beauty, robustness, rapid growth, size and even shape and color. It is claimed to be perfectly hardy -requiring no protection in Winter-and blossoms from August to September. Its dark green leaves, sinuated and thick, resemble the oak-leaf; are very large, obtuse, cordate in underneath.

growing in Japan, pronounces it ornamental, find many admirers in this country.

until they show no symptoms of delicacy.

Written for the Farm and Fireside. NOTES AND SUGGESTIONS FOR MAY.

> ' He that by the plow would thrive. Himself must either hold or drive."

To the farmer, May is a busy month, and ipon his labors in preparing his soil and planting his seed, in a great measure depends his success for the season. In the New England, or Northern states, usually little seed of the hoed erops finds its way into the ground before the first of May. In favorable seasons peas and a few early potatoes are put in, but the form, sombre green above, glaueous below, or bulk of crops have their seed put in from the first to the twenty-fifth of the month. Usually The effect of this beautiful plant in the little is gained to the advantage of the erop in house-yard, or on the lawn, must be fine. Its planting, till the soil gets warm, and dried flowers, surmounting its long spikes, are sur-jenough for the seeds to germinate immediately, passingly beautiful. A friend, who has seen it and commence a vigorous growth, not to be checked by cold, unfavorable weather. But to showy, and even on its native soil commands defer all planting till the soil is in the best universal admiration. The seeds of the Boe-leondition will throw the whole into a very CONTA JAPONICA are not yet in the market; but rowded state, so that it would be impossible Mr. Henry A. Dreer, of Philadelphia (one of to do the work as thoroughly as it should be. our best seedsmen and florists), has secured a Much work that should have been done in quantity of the seed. So rare a plant must April is frequently deterred, or crowded into May; such as hanling manure, plowing &c. By good planuing, procuring sufficient help, THERE being little danger now of a "cold and the best implements, the planting of garsnap," it is a good time for those who have den and field crops may be rushed through in a not already done so, to set out their tomato few days, but it is best not to do it with such a larger space than smaller. plants. Select those well-grown and stocky, Frush as not to do it thoroughly, for no after care

ing, and good manuring, to put the soil in the notes. Much valuable information may be best possible condition to produce the greatest gained by reading "Quimby's Mystery of the amount. If it costs twenty-five dollars to Honey Bee." grow an aere of corn that will yield thirty bushels of eorn 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 doubled, the five dollars extra expeuded giving, instead of twenty per eent., one hundred per eent. It eosts but a fraction more to do the work on an aere which will yield seventy-five bushels of shelled 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 acre which will yield seventy-five bushels, rather than expend fifty in growing two acres that will yield only sixty bushels. This result can be accomplished by a judicious course of thorough culture and good management, and even more. The successful enlitvator will seek to direct his labors to act in unison with the efforts Nature puts forth, the soil being the laboratory in which by the aid of the air, 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, comprises one great secret of suceess that the skilled eulturist possesses over the uuskilled, or uninformed one. The observant and studious, learn to work with Nature, while those of a different turn often find themselves opposing Nature, to their disadvantage. It is then wise to seek information from all available sources; and in the suggestions that follow I shall attempt to bring before the mind of the reader subjects for attentiou, and experience and observation.

Accounts.-No person can be said to have a full knowledge of his business who does not keep an account of that business in all its details. A system of farm records and accounts, kept so as to be referred to at any future time, will furnish a fund of information and study that can be gained in no other way. Improvements can be very much more readily entered into when a definite knowledge of previous transactions are correctly understood. This subject of farm records should receive the attention of every farmer; by it he is enabled to know what erops or stock are profitable, and if you would have eorn to sell and to keep." the reverse; and can act in accordance with this knowledge.

Beans—are a valuable crop, cheaply and easily raised, requiring land less fertile than for eorn, and do not make 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 advocates as a favorite. Plant the last of the month, in soil in good, Int not high, condition, in hills two feet apart to two by three, according to the variety, some large growing kinds requiring

possible manner by thorough plowing, harrow- in details requires too much space for these

Broom Corr. - Prepare the ground by heavy manuring, deep plowing and thorough pulverization. Plant at the same time of Indian eorn in rows four feet apart, and two and a half feet apart in the row; dwarf varieties, rows nearer; use plenty of seed and thin to five or six plants to the hill at weeding.

Buildings.-See that they are all kept in good repair and well painted. Painting may be done now or in the Fall. For rough wood work, a cheap paint may be made of water, lime and skimmed milk, eolored with dry ground colors to suit the fancy.

Cabbage—are profitable either as a garden or field crop. In the vicinity of ready markets they are made to pay, when skillfully grown and marketed, six hundred dollars or more per acre. Deep soil and abundant manuring are requisites. For early, the plants should have been started in a hot bed; open ground will answer for medium and late erops. Ashes and 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 eighteen inches to two and a half or three feet apart, according to the variety and size of growth. Transplanting is best done in a moist 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 early, Jersey Wakefield, Early and large York, Early Ox Heart, Early Winningstadt, Early Flat Dutch; for late, Marblehead Mammoth, Bergen Drumhead, Premium Duteli, Stone Mason, the Savoys, and Red Dutch, are also give some practical details, gained from the most approved varieties in the order named.

> Cattle.-See that they are well kept. A daily allowance of grain and a few roots will teud to keep the system up, and gradually aeeustom them to the change in the season, and from hay to grass. Turn to grass when sufficiently started to give a good bite without too elose eropping. Use working oxen with eare, as the season is apt to produce languor and weakness. Good keeping on hay and grain, with eareful usage, are as good seasoning agents as any.

Corn.—"Plaut deep while sluggards sleep,

If the ground is wet and cold, little is gained in planting early in the month, as frequently the seed will rot. Planted when the ground is warm it immediately vegetates and grows without "let or hindrance," and gets the advantage of grass and weeds, saving much labor in after culture. Prepare the ground thoroughly by deep plowing and heavy mannring—(see preceding remarks ou manuring eorn). We in New England plant in hills about three and a half feet apart; cover deep and tread, as the most effectual remedy for bird pulling.

Dairy.-Sell, or fat that eow the eream of Bees—when properly managed pay a better whose milk bothered you so last Fall in not plant them firmly, and water and mulch them can compensate for neglect in this stage. Let profit on the capital employed than any other making butter; or that other one which went every acre planted be prepared in the best stock; their habits and care is a study which dry four or five months and made white, oily



Any of our violets—white, blue, or yellow—repay transplanting to the garden, or cultivation in the house, it set in soil of loam and leaf-mold, and kept cool and shady, except when near blooming. But the dark, purple English violet, which has been frequently made to bear double tlowers, is most generally seen among parlor plants; or the Neapolitan violet, whose flowers are larger and exceedingly fragrant, though of a light color.— These foreign flowers are raised from division of the root, or cuttings taken in June, and covered with a tumbler, and afterward set in a soil of sand, loam, and decayed leaves or other vegetable mold. The pots should be well drained with sherds. They need water often, usually twice a day; but very little at a time; if the water is allowed to remain about their roots they will die. Our native violets should be kept damp always, but not wet.







butter. Keep only good ones, for it costs as row. Cover lightly, not over half an inch, much to keep one which will produce only fifty dollars, as one that will give one bundred dollars income; while the profit in the latter is sorgho makes the nicest syrup. fair, the former gives little if any. The labors of the dairy are much lightened when every convenience is provided in the milk room; this should be cool, well ventilated, free from dust and all offensive odors, with pure fresh water convenient. Cleanliness is one of the first essentials in every thing pertaining to milk and the dairy.

Fences. - See that all are in order, or put so, before turning cattle to pasture. It is better to spend a week's time now in putting up fences, than to have your cattle break into the corn field in July, and spoil a field of corn, and be obliged to leave the hay or grain, as a shower is coming up, to turn them out and fix up the fence—to say nothing of the bad effect it has on the cattle, learning them to be uneasy and get unruly.

Flax.—Sow as early as the weather and soil will permit. Prepare the soil well aud make it as fine and even as possible, to give an even quality.

Garden.-Do not, in your anxiety to get in the field crops, neglect this, the most profitable part of the farm, but give it the attention

Grass Seed-may yet be sown, with grain thinly sown, where impracticable to have been done in April.

Grafting.-So simple and useful an operation as this should be more generally understood, and practiced by farmers generally, and graph. then we should see orchards of fine trees and nice fruit more, and scraggy trees and knotty fruit less, common. Spend an hour or two in seeing an expert graft, and then try your hand and see how readily you can do it.

Hired Help.—Remember they are no more than human while you are requiring them to be faithful. The master's bat in the field will do more than many of those who hire out by the month. Use them well, giving commendation for faithfulness, and you will be rewarded by checrfulness and increased faithful-

Horses.-Keep stabled, well groomed, and feed according to the labor required, during work season. Sec that no galls are occasioned by the ill-fitting harness. The horse is naturally a healthy animal; most of his diseases come by improper treatment.

Hogs.-Keep them growing and at work by supplying them material to make manure.

Manure.-Apply all you have made to the arable soil; and purchase fertilizers to give the erops a start. The greatest benefit is derived from mineral and artificial mannres, when applied in conjunction with farm ma-

Meadows.-Keep all stock off, not allowing them to trample over, or graze them; a dressing of flour of bone, super-phosphate, sal nitre, etc., will rcpay you with a much increased yield. Bare spots may be scarified, top-dressed and re-seeded to advantage.

Oats-should have been sown in April; sown now, the yield will be less. Sow early in the month where ground is to be stocked; they will make an excellent fodder crop when may bave cut. The telegraph is to give intelcut before full maturity, eured, and stored like

both.

Plowing.-Land in moderate fertility will often produce better crops, if well and thoroughly plowed, than land in good heart poorly plowed. Usc a good plow, and turn the furrows straight, and of a uniform width and depth.

Potatoes-should be planted as early as possible, if not already done; plant on dry ground whole tubers a size below that for the table; prepare the ground properly. Saline manures arc the best for the potato; fresh farm manure is injurious rather than other-

Sorghum.-Plant in warm, well prepared four feet apart, and two and a half feet in the is born to be a conqueror.

with fine, light soil. Rank, strong manures are not suitable for this crop. The regular

Tools.—Have only the best make, and light; give each band his tools, and bold bim responsible for their good use; if broken, lost, or damaged from carelessness or exposure, charge them to bim. Have a place for every one and see that they are in place when not in use, and well cleaned before being put away.

My Riverdale Farm, April, 1867.

PRUNING BLACKBERRIES. - Persons having cultivated the New Rochelle blackberry, are possessed of sufficient knowledge to understand the fact that the longer they allow the canes to remain unpruned, the lateral branches are proportionably shorter, and the fruit smaller. To obtain the largest-sized berries and the largest quantity too, cut back the leading canes to not exceeding four feet in length, and shorten-in also the lateral branches. will be found to increase also the breadth of the stool, affording more bearing room, and generally to result in greatly improving the crop. It is not too late yet to shorten-in, where it has been much neglected, as we often see it in some of the gardeus, &c.

In July the young wood, which by that time has grown over the tops of the old, bearing canes, should be clipped, especially the lateral branches. It will have the best effect upon next year's crop. - Germantown Tele-

THE LONG ISLAND RACES.—The first trot of the season on the Fashion Course, on Long Island, occurred on Friday of last week, and attracted a large assemblage of turf men and owners of fast horses. The purse was \$100, mile heats, three in five, in harness, for horses that never trotted for money. There were fourteen entries, five of which started; Hassard's gray gelding, driven by Dan Macc, wou in three straight heats in  $2.41\frac{3}{4}$ ,  $2.37\frac{1}{2}$  and 2.37bcating Belle of Roekland, Rapid, Lady Kendall and Income. The latter was withdrawn after the first heat, being out of conditiou, and was only started to make the racc. A match for \$200, mile beats, in harness, between Bud Doble's lake mare, Grace Darling, and J. Copp's black mare, was won by the former in two heats, in 2.481 and 2.50.

THE tobacco trade of the country is growing in importance. As an evidence of the fact, the Louisville Courier announces that Robinson and Willett, the well-known extensive manufacturers of that city, are doubling their capacity for producing their favorite brands of tobacco, which are so largely sold to the dealers of Philadelphia and other Northern cities. This establishment, even before the improvement, ranked as the most complete of its kind in the country.

A PLAN has been invented in Washington for letting the farmers know when a storm is coming during harvest, so that they may have time to protect their hay and grain which they ligeuce of the approach of the storm, and a cannon, fired three times at each county seat, Pasture.—Let the feed get a fair start be- is to warn the farmers when to stop mowing flour was not so generally used as at the presfore turning in the stock, as it is better for and reaping, and to go to raking and covering ent time, and when it was often difficult to obtheir crops.

> CONTINUE to plant garden corn at intervals of twelve days up to July first. This will insure you a daily supply until October. Stowell's Evergreen corn is a good sweet variety, is a certain grower and produces largely.

IT is estimated that the United States will losc \$10,000,000 of internal revenue in Louisiana this year, by the destruction of the cotton and sugar crops by inundations.

HE who, being master of the fittest moment soil about the fifteenth of the month, in rows to crush an enemy, magnanimously rejects it,

# The Mousekeeper.

Written for the Farm and Fireside. BREAD MAKING.

Among the thinking and working women of America there is a class whose benevolent feelings have often prompted the question-"how shall we do the most good in the world?" and agitating this question among themselves, they have formed sewing societies, held fairs, and adopted various plans for raising money for philanthropic purposes. Still another and more pertinent question, suggested to woman by the physiologists and sanitary reformers of the age, is, how shall we improve the quality of our bread, so that there shall not be so great a demand for rich pastry and confectionery, thereby promoting the bealth of our families: To this query the simple and natural answer would be, give more attention to the bread, and less to the pies and cakes, or "piesan" cakes," as they are sometimes aptly termed for brevity. There are some, doubtless, who bave well-nigh attained perfection in the art of bread making, and invariably place upon their tables the very best of bread. Their success is no secret. They will tell you first, of the care they bave always taken that their yeast should be fresh and sweet; secondly, of the brisk kneading to which they have subjected it, and, lastly, of the caution requisite in baking, that it shall be neither doughy and uuderdone, nor burnt and over-done.

Those who make their own yeast will find the following a good rule, inasmuch as it will ize what good bread was. When, however, insure them good bread, without milk or three or four potatoes of good size and quality, could readily note the difference between poor boil and mash them fine, till they are entirely free from lumps; then pour sufficient boiling water to them to make a thick batter, in which put two or three tablespoonsful of sugar, and a liberal sprinkling of salt; boil a few moments, and when cool add some fresh yeast. In a few hours this will be ready for use, and as there are no hops in it, you can use much more of it than of distiller's yeast—even double the quantity-and have your bread ready for the oven in two or three hours after moulding. Excellent bread has been made from such yeast, with water alone for wetting, and as potatoes are cheaper than flour you can well afford to use them liberally and thus save flour; but in warm weather you must make it often, which can be done with very little trouble, by boiling an extra quantity of potatoes when preparing them for dinner.

As there are a diversity of tastes, and to furnish au agreeable and healthful variety of bread for your table, make a part of your bread of unbolted wheat or Graham flour. This kind of bread is recommended by all physiologists as being more healthful than bread made of fiue or bolted flour, and those who once become accustomed to its use will hardy be willing to do without it. But many say they canuot make good bread of this kind of flour, and this is sometimes not so much the fault of our housewives as of the flour dealers, who are not particular to sell freshly ground flour. Therefore see that your flour is fresh and sweet, which you can readily ascertain by tasting of it when you make your purchases. Some years since, when the unbolted, or Graham tain that which was fresb, many families were in the habit of buying their wheat, and grinding it in hand-mills constructed for family use. Thus they were always sure of having fresh meal. Now, however, there is so great a demand for this kind of flour that it seldom becomes stale in the dealer's hands,

There are so many recipes for making various kinds of bread that there is no necessity of being confined to one kind, nor is it necessary that we learn from a French professor how to prepare palatable and healthful dishes. rye, or rye and Indian meal, in various pro- while. Meat, it is said, can be kept three portions. A good rule for the latter kind is weeks in the Summer in this way, and the this: Four cups of Indian meal, two cups of last will be as good as the first.

rve, two-thirds of a cup of molasses, one quart (wine measure) of cold water, and one small teaspoonful soda, also salt in sufficient quantity Bake or steam three bours.

Observation and practice will lead us to perfection in the art of cookery. Some valuable hints might be gathered from the women of a former generation, many of whom were remarkable cooks, and their bread, baked in the old fashioned brick oven, was perfectly delicious. In that age the breakfast and supper of the children was brown bread and milk, aud they throve well on this diet. But alas! those days are gone. Our venerable grandmothers are passing away, and we vainly sigh for one tastc of their own nice loaves just from the brick oven. We may never regain that keen relish for food which youthful sports and an exemption from care gave to us in former years, but the matrons of to-day can exercise their culinary skill, even as did their mothers before them, that the art of bread making may not eventually be regarded as among the "lost

At our agricultural fairs an opportunity has beeu afforded women for a display of various kinds of bread, and premiums have been awarded to those who bave excelled in this branch of culinary skill. But, while we have noticed, on the tables of these Societies, bread of a superior quality, we have sometimes observed that which was apparently inferior, and we have inferred that the latter class of contributors bad become so accustomed to poor bread at home that they did not know or realthe two kinds of bread were placed side by shortening, and at a saving of flour:-Take side upon the tables, an appreciating public aud good bread. MRS. J. S. GEORGE.

Woonsocket, R. I., May, 1867.

JELLY CAKES.—One cup of sugar, oue egg, a little salt, one pound of flour, oue grated nutmeg, one tcaspoonful of soda; add warm milk sufficient to make a stiff dough; roll out like thick pie crust; bake in a quiek oven, and when done, spread it thick with some good fruit jelly, and strew some powdered sweet almonds over it.

GINGERBREAD.—Flour, one pound four ozs.; outter, four ounces; pulverized ginger, oue and a balf tablespoonful; pulverized cloves, one and a half tablespoouful; dissolve one tablespoonful of soda in a little warm milk; then add it, and also molasses sufficient to wet up the dough. Bake in a quick oven.

Congress Cake-Flour two pounds, sugar half a pound, butter half a pound, cream onc teacupful, best brandy half a pint, four eggs, soda one scruplc; flavor with orange-flower water; mix into a stiff dough with warm water; form into loaves, and bake in a moderate

BLACK PUDDING.—Six eggs, one teacup of butter, one of sugar, one pint of molasses, one teaspoonful saleratus, a little nutmeg, aud flour enough to make a batter; bake in a hot oven balf an bour.

WINE SAUCE. - One and a half cups sugar, half a cup of butter, beaten well together then add a glass of wine, two tablespoonsful of flour, wet with cold water to preveut lumping, then add a teacup of boiling water, and let it stand a few moments on the stove, then pour it in the butter and sugar and beat it up, grate some nutmeg in it aud serve hot.

To KEEP MEAT FRESH.—The following plan is recommended: Cut the meat in slices, pack in a jar in layers, sprinkle with salt and pepper, just enough to make it palatable. Upon the tables of our New England Farmers Place on the top a thick paper or cloth, with may often be seen very good bread made of salt half an inch thick. Keep this on all the



Sawdust—Its use.—The New England Farmer devotes considerable space to a consideration of sawdust and its uses as a fertilizer, and the manner of treating it preparatory to its application to the land. As a preliminary, it forms a soft and excellent bedding for stock, while it absorbs and retains the larger portion of the urine, which would otherwise run to waste. Besides, it forms a more cleanly bed for stock than most other kinds, and to farmers in the vicinity of sawmills, is easily attainable. Though slow in decomposing, its retentiveness is such as finally to impart to the land on which it is used, iucreased liveliness and strength, if packed down closely and occasionally watered for some time before being applied to the land. Properly prepared before being used, it may be placed in or used as a top-dressing for meadows in the Spring, though it is probably more effective when turned under.





# The Farm and Fireside.

# The Fireside Muse.

#### THE DREAM CHILD.

Ofl, in the dreamy lwilight hour, I sit, and in my arms I hold A lillie child, whose eyes are blue, Whose hair is sunny gold. He looks up in my face, and 1 Look fondly, proudly down on him And, with sweel lears of happiness, I feel my eyes grow dim.

The child's so like my hearl's hest love! He has the self-same noble face; In every geslure, every smile, A likeness, too, I lrace. And oh! how dear, how doubly dear This makes my baby-hoy lo me! I fold him closer to my breast And kiss him lenderly.

Bul, as the lwllight fades, so fades The smile, the eyes, the shining hair.

Ah, me I I dreamed—the night brings truth, I clasp the empty air, And mem'ry coming back repeats "Heav'n gives to thee no little one!"
I fold my arms and strive to say "My God! Thy will be done!" -GALAXY for May.

# The Stock-Yard.

#### RAISING CALVES.

For the first ten days the young ealf is allowed the milk of the eow exelusively. The milk of the newly ealved eow, as every dairyman knows, is not fit during the first week for dairy purposes, and is the only suitable nourishment for the delicate digestive organs of its young. For a few days after this period, ahout two or three quarts of milk at a meal 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-cake, powdered fine, and meal of various grains, harley, oats, and a little wheat flour. The proportions recommended by Mr. Henry Ruck, in a paper read hy him at one of the meetings of the Circneester Farmers' Club, (England) arc as follows:-Into a six gallon hucket pour two gallons of sealding water, stir into this seven pounds of ground linseed cake; then add two gallons of hay tea, which should he fresh and sweet; next add seven pounds of mixed 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 one meal. The food should he given at regular hours, and twice a day; morning and evening will be found sufficient. The hay tea, which seems to he an excellent preparation, is made every morning by filling a small tuh with good hay, and pouring on scalding water; this should be used in the evening, fresh scalding water added, covered 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 be gradually diminished. Solid food should 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 sweet hay, with a small supply of crushed corn and crushed oats. In addition but in living, hreathing, conscious, intelligent to this, mangold wurzel will he found serviceable, and is very much relished by the young auimals.—Canada Farmer.

# CARE OF SHEEP AND LAMBS.

JONATHAN LAWRENCE, 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 to recruit in. When they come to the barn, 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 feeder, near Edinhurg, says, any one who disease. I give a variety of feed; hay, straw, (poorly threshed) corn fodder, and a little oats, and sulphur, using about one pound of sul- stables or close strawyards, will be miserally er. - Author of Diseases in the American Stable. day.

phur to one hushel of salt, and have no trouble with tieks. About three weeks hefore lambing I give them eooked food—potatoes or turnips with meal mixed; or wet meal without roots, giving it quite wet. This feed will make milk for the lambs when they come.

When the sheep hegin to lamb I put two or three 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 in the yard, leaving the small pen for others. I iuerease the wet feed after they lamh, and continue it uutil they can 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 milk will partly dry up; the lambs will get stunted hefore the grass is good, and they never fully recover from the effects of this neglect. 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 not lost a sheep hy siekness or disease for the last five years.'

#### MAINE WORKING OXEN.

The market reporter of the Boston Weekly Advertiser thus discourses upou store eattle and working oxen from Maine:

The demand which has lately arisen in New York for working oxen from Maiue has considerably agitated the hitherto quiet waters of this branch of the market. Years ago, old market men say, the cattle from Maine were generally quite small and inferior. But of late there has been great improvement made by the introduction of some of the best English hlood. Durham, Hereford, and Devor bulls, in particular, have been introduced 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 the yoke and for the feeder's stalls has passed the boundaries of New England, and created a demand for this stock in the valley of the Hudson as well as in that of the Connecticut. How much the breeders of hlooded cattle in Maine may be indehted to the modern style of reporting the Brighton market, for the wide extension 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 farmers in want of oxen are getting as particular about "style" as are those buying horses. They don't want the homely looking 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 something 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 hy Daniel S. Wood, a farmer of Tewkshury, Mass., for five hundred and ten dollars, and every week we see similar evidences of a growing taste for beautiful oxen. We rejoice that it is so. The seulptor's art has been highly honored. What is the skillful hreeder hut an artist,-not in cold stone or dead paint, and plastic nature?

noble houors than ever wreathed the hrow or the agricultural papers of our country to adopt as a motto the scntiment of Wchster expressed to the foreman of his farm, when he wrote, "Hereafter let our talk be of oxen?" Not only honor, hut money, urges improvement in farm stock.

Mr. McCombie, an experienced grazier and turns cattle out to grass that have been fed through the Winter upon cake, corn, hrewers'

disappointed in any expectation of profit, The mode of feeding has heeu unnatural, and before the animal hegins to improve three months will have passed. A few weeks feeding 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 specified for several months, they are perfectly unfit for grazing.

#### BREEDING OF COLTS-FALL VERSUS SPRING.

WE have often been asked the question as to whether there are any disadvantages atahove those attending the same, when foaled in Spring.

The advantage of breeding colts in the Fall of the year, may and does amount to a good deal in the estimation of some breeders, but more, we think, to sporting-men.

First.—Because of the supposed advantage gained in the few months added to the age, hut not counted,-over that of the Spring eolt. We have said supposed, heeause it is more apparent than real, when the disparity of eonstitutions, stamina and longer life, are taken into eonsideration. And above all, perhaps we should have said, and eonsequently more free from the various forms of disease which are so intimately connected and dethe Spring colt, they in a great measure, if not almost altogether, resist and escape.

Second.—Breeders having many mares, and to more evenly divide the time and lahor hetween the seasons, have mares to colt in the Fall, and others do this because more work can he exacted from the mare, in the season when work on the farm is most wanted to he done. These advantages are just as objectiouable as those of the first, because in addition to these, we observe a cold, and peevish sensibility, and greater liability to coughs, chest, or lung disease, thus fully accounting for the shortness of their lives, over those animals foaled in the

Third,-We are told that a Fall colt has auother advantage, not possessed for, or hy the colt of the Spring, viz., the early Spring grass heing at once available, when the Fall colt is taken from the milk of its mother. This last supposed advantage of the Fall colt, over that of the Spring, may he set side hy side, and compared by the superior milk secured to the Spring colt, by and through this very Spring grass heing converted into superior food; whereas, the Fall colt has to manufacture-digest-it for himself, and the milk from 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 his fellow of the Spring. Heuce, his large helly, coarse museular fibre, and the kalikofora of the hone, when laid under the microscope, do not present so fine, or compact a tissue, as the colt of Spring. In the above facts lay the answer, or reason why Fall colts do not stand training-more liable to disease, as spavin, throat affectiou, and somatically brought together, may be called the colt with a weaker constitution than that of the eolt of Spring.

In couclusion, may we not rightfully ask, whether a mother is not more able to carry her The modern farmer may aspire to more young within her womh, during the Fall and Vinter months in its embryo state, than sho immortalized the names of ancient painters could carry almost a full grown feetus during and seulptors. And would it not he well for the heat and fatigue of animal life in Summer, at least in our climate, for it must be rememhered that the more mature the young is within the womh, the greater the drain upon and exhaustion of the mother. These facts have not eseaped the notice of the erudite British statisticians, 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 this teach, when such is the result in the Islands constantly tempered by the genial influence of the gulf stream, whilst corn, or other grain in meal. I give them salt wash, grains, or potatoes, and kept in hot in this latitude we have such extremes of weath-

# Various Matters.

#### AN EXCITING SPECTACLE.

One of the most marvellous sights ever witnessed, is a herd of wild horses, in full and fiery march along the pampas of South America. The tall grass at the approach of thousands of eager and impetuous feet, waves to and fro like the waves of the sea. Grand as a whirlwind, yet in the most regular order, the herd hurries on, their manes flowing like tlags and their tails ereet like hanners. At the head of a vast triangle gallops, as leader, guide tending the hreeding of Fall colts, over and and champion, the strongest horse of the herd. Behind him in lines mathematically straight far more straight and unbroken than a eavalry regiment-and gradually extending till they reach their extreme length, at the base of the triangle the most powerful horses oecupy as guard. In the middle as most needing help and shelter, are the foals and their mothers; but still as a portion of the strictly symmetrieal lines. This is heautiful, even if-apart from the splendor and energy-there was nothing more than an illustration of the infallihle geometry of instiuct. The spectacle, however, has other admirers hesides the gaucho and the travelers, as they rein in their steeds for a moment to gaze. Ahove, however, are the loathsome vulture and the voracious eruha; veloped during the process of training of Fall and keeping pace with the mighty cohort of eolts, and which, from the superior stamina of the wilderness, is the pitiless juguar. Onward -ever onward-that eohort sweeps. But oue of the weaklings in the very heart of the triangle stumbles and falls, and then another. Yet their more stalwart hrethren pause not, even for an instant, to succor the unfortunates. Concerned only that the line may not waver, they furiously tramp on them as if rejoieing to prepare a repast for the insatiable spoiler. What sin have the weaklings committed? The sin of being weakling-the sin, of all things, which nature and man never pardon; the sin which enrages animals against those of their own kind, and which drives soldiers at cities taken hy assault, to expend all their vengeance and madness, uot on such as, with stout hands and stout hreasts still resist, hut on women, little children, on the aged, on the utterly defenceless.

> In the early part of the reign of Henry VIII., not a cahhage, turnip, or other edible root grew in England. Two or three centuries hefore, certainly, the monasteries had gardens with a variety of vegetables; hut nearly all the gardens of the laity were destroyed in the wars hetween the 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 horse-corue, heanes, oats, tares and lentils." There is no doubt hut that the average duration of human life was at that period only half as loug as it is now.

> VEGETABLE POEM. - A poetical young gardener, somewhere in the South, while despondent from the effects of the late unseasonable weather, gets off the following:

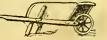
"Onion garden hed reclining Beets a youth his aching head; Cauliflowers! lo, weeds confront me: Lettuce hence, he sadly said. Carrots out the stoutest mauhood, Peas my wearied soul doth need; Bean O! strife for me hereafter, Else my heart will go to seed."

THE CROP PROSPECTS.—It is generally remarked by travelers that the wheat crop looks splendid all over the West. There was never hetter promise of an ahundaut yield; especially is this the case in Northern Indiana, where an unusually great hreadth of land has been devoted to staple cereals.

A day of Innocent amusement may he a Sahhath to the soul. There is not necessarily much difference between a holiday and a holy-



Grafting Wax.—Doctor Ward gives a recipe for making grafting wax, such as he uses in his own nursery: One part of tallow, two of wax, and four of rosin. The consistency of the wax will be affected by the weather. If too stiff, he would add tallow, if too soft, rosin.— He would use the wax warm, and apply it with a brush; put on it this way it was more durable, and a hetter protection to the graft. Different 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 melted, with a hrush.







# Original Papers.

PLAIN TALK WITH FARMERS.-NO. 6.

Written for the Farm and Fireslde, BY HON. JAMES W. WALL, NEW JERSEY.

In my previous communications I think I have made apparent the necessity that exists for every farmer that takes a pride in his profession to cultivate in a greater or less degree, a knowledge of those sciences that have done, or are doing, so much for agriculture. I have sketched for you iu faint, imperfect outline, the high vantage ground your noble profession obtained in ages past, to make still more manifest to you in this high noon of the nimeteenth century, that the farming profession lags behind in this country, or follows with a limping step, iustead of being in the vanguard of them "country kings," the independent yeomanry of the States, who should call no man master, have closed your eyes to the immense influence your intelligence, your numbers, your social 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 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 agricultural interests of the States. This omission has mainly grown out of the neglect and indifference of the classes most injured by it. The past you cannot redeem; but the future is with you—the men of the plough, the men of toil, the cultivators of the soil you own; you can, with the awakened power which has so long slumbered within you, mould and shape, and direct the future legislation of our States as yon choose. The hammer of Odin is in your hands, and as the stroke of that of the Teutonic mythology is said to have produced convulsions on the earth's surface, so political power in your grasp, if wielded in a high and holy purpose, will shake terribly that inert, useless legislation which has so long cursed our States. When I think of your numbers in the land, your immense power in every township and district, 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 elephant in the menagerie. The politicians use you and abuse you—they pierce you with sharp goads, and ride upon your trunks with impunity. Whereas, if you were only once fully alive to the fact of your real power, how you could crush them at a single blow, or trample them as dust beneath your fcet. I have seen enough to enable me to make the observation, and had experience enough of their corrupt machinations to give it weight, when I declare that the injury done by dishonest, plotting politicians in a State can the ravages of swine in well cultivated fields." worth more to the country than all the poliessential service to his country, than all the means of nsefulness. 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 institutions belong nearly nine thousand acres, all under scientific cultivation. Then they have established eighteen private academies where the first rudiments of agricultural science are selves for entrance into the Higher Colleges. I shad were landed.

In France, there are numerous schools assisted by the State, where young persons can obtain instruction in agriculture, both practical and 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 relinquished by the State. The simple statement after heavy storms. It is desirable to have the of the character of the lectures delivered at soil in fine tilth, not predisposed to weeds, sulphuric acid—that is, for four pounds of dry this institution will convey a practical idea of and in a high state of cultivation. The surfrom the prospectus of the Institution: 1st, unfrequently the case during heavy showers. The natural principles of husbandry, and the of rural economy as applied to the employ- sow the seed earlier, and the erop is more most approved method of keeping farm ac- plowing. No paius should be spared to have counts. 4th, The construction of farm build-this work done in good season, and in the best all. The reason of this is, that you, Virgil's ings, roads, and implements used in husbandry. 5th, Vegetable Physiology and Botany. 6th, Horticulture. 7th, Foreign Science. 8th, The general principles of the Veteriuary Art. erally applied, and well mixed with the soil. loam, to make it dry enough to handle. It is 9th, The laws relating to property. 10th, Geometry as applied to the measurement and surplied to agriculture. 13th, Chemistry as applied to the analysis of soils, manures, &c. and Geology. 15th, Domestic medicine as of Peruvian guano, or ashes, as late as July. applied to the use of hushandmen.

eering enterprize. Now, the great object of across the rows. a republican form of government, I take to be, the regulation of public affairs, in accordance with the wishes of the people, and in conformity with the real interests of the government. I believe that theoretically, the aim of all governments should be the conservation of human rights, and the continued preservation of, and protection to, the interests of the common weal; and I know of no better description of those rights than that contained in the Declaration 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 up in the legislative history of the country. Crafty politicians call you "the bone and sinews of the land," and you are to them all this, for they make you "hewers of wood and drawers of water," to assist in all their schemes. You can cease to occupy this position if you will. You have the numbers, and the local influence if you choose to exert it, and can only be compared, to use Swift's words, "to send men to your legislative halls who will build up permanently the agricultural interests On the other hand, an honest farmer who, by of your country, and open up its soil to more skillfully draining, mannring and planting, has thorough geological research-men who will increased the intrinsic value of an acre of land, establish agricultural schools, endowed with can make two ears of corn, or two hlades of those sciences that have already done so much Superphosphate of Lime:" grass grow, where only one grew before, de- for agriculture, by the expansion of its field serves better of mankind, and has done more of operation, and the wondrous increase of its

May, 1967.

It is said that a barrel of flour can be purchased in Paris, sent to Liverpool by rail and steamer, and thence transported in a sailing pretty well assured that his land is rich enough and yields at the rate of one hundred and fifty vessel to Boston, at less expense than it can be in phosphoric acid already, and does not need bushels to the acre of roots, without any detripurchased in the latter city.

Ar one haul of the seine in Albemarle Sound, taught to those who desire to prepare them- on Thursday last, 45,000 herrings and 18,000

# The Field.

#### ONION CULTURE AS A FIELD CROP.

THE soil best adapted to the growth and perfect maturing of the onion, is rather a heavy loam, but should not be inclined to bake, or form in heavy crust upon the surface its importance. The lectures are upon the fol- face should be quite level, to prevent injury to lowing subjects, as I have taken them down the growing plants by washing, which is not It is well to prepare the ground in Autumn as management of a farm. 2nd, The principles far as may be, as it gives an opportunity to ment of capital and stock in a farm. 3d, The likely to mature perfectly than after Spring possible manner, before the seed is put in the ground, as it will save labor and expeuse in the after culture. Fertilizers should be lib-itime adding enough dry wood ashes or dry Perhaps there are none better than barn yard now ready for use. Put a large tablespoonful or hog pen manures, well fined; still, if the in each hill of corn at the time of planting, vey of land. 11th, Geometrical drawings of soil contains considerable vegetable mold, or farming implements. 12th, Physics as ap- nitrogenious manures, a good erop may be years past, it will cause the corn to come up produced by an application of wood ashes. Should the crop look unpromising, it may be 14th, Certain general principles of Mineralogy inproved, as a general rule, by an application

The seed should be sown as early in the Indeed, there is scarcely a country in Europe, season as the ground can be made fine, and where the important art of agriculture is not the work can be done more perfectly in a cool, sheltered and encouraged by State patronage. dry day, than it can in damp, foggy weather. I know I may be met by that enemy of pro- S. E. Harington's convertible sower, distribgress, the oft-repeated objection that encour- utes the seed evenly, eovers it perfectly, and is agement of this nature is hostile to the spirit unquestionably the best machine for sowing and genius of our institutions, and should be onions now in use. The Yellow Danvers, for left to the perseverance and energy of private field culture; still, the early red, or the silver enterprise. I have lived long enough to be skin are very good for that purpose. If sown fully satisfied with the falacy of this political in drills fifteen inches apart, five pounds of postulate. I have lived long enough to feel seed is sufficient for an acre, provided the ties of bones to be exported for the improvegrieved at the tendency of our State govern- ouions are to be sold by the bushel or barrel ments to become mere political machines de- if they are to be bunched, a larger quantity voted to the business of advancing this or that should be used. The common hand hay rake partizan; for making laws for the benefit of may be used to advantage, as soon as the private, or what is infinitely worse, election- plants are fairly up, back and forth diagonally

> This operation destroys very many small weeds and loosens the soil, while the young plants are but very little injured by the hard usage on account of the large supply of roots peculiar to the onion. Next in order comes the hand cultivator hetween the rows, and the hand weeding, which should be repeated at 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 onions are of a good quality, they may remain some days bcfore harvesting. Care should be taken, however, not to leave them in the ground until a new 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 they should be allowed to remain in the sun a few days, being frequently turned, when tops should be removed, and they are ready for market, or to store in an airy shed or well covered loose cribs in the field .- N. E. Homestead.

### HOME-MADE SUPERPHOSPHATE OF LIME.

ABEL CHANDLER, of Concord, gives the fol-State patronage, and promote, by all honora- lowing directions through the Country Gentle- and while loading up the manurc in the yard, ticians that were ever spawned; for whoever ble and judicious means, the cultivation of man for making what he calls "Home-made turnip seed is scattered over the load two or

> only applied with the seed, then he may be nip plant, which grows well with the corn. stove is as good as any-and burn them till fit to cut, and after that make most of their npon breaking one it will be of a white or light growth, advancing with great rapidity. - Utica gray color. After they have become cool, Herald.

break them up and grind them on a flat stone or anything else more convenient, only be sme 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 doors, and for each pound of the dry hone ash, carefully add three-quarters of a pound of boue ash add three pounds of sulphuric acidit will foam and steam like slaking lime, and must be continually stirred with a stick till it is done 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 nearly dry euough to handle, and will have hecome quite hard, nnless very often stirred; at any rate there will be mauy hard lumps in it, which must be ground up fine again, at the same aud if it acts as it has on my corn for four 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 earlier than anything else that can be put in the hill-excepting, perhaps, good old manure. It will not injure the seed in the least, even if it is 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 contact with it.

#### SAVING AND APPLYING BONE DUST.

"Ir there is any one practice among Ameriean farmers for which they deserve sharp rebuke, it is for permitting such immense quantiment of the agriculture of foreign nations. Thousands of tons of hones are collected annnally in Chicago, Buffalo, New York, and other populous cities, and shipped to European eountries, 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 will 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 benefited by a dressing of ground raw hone. Thousands of acres of the best farming land in New England is in a low state of impoverishment, for the want of a liberal dressing of raw ground bone. Such fertilizing matter is the very life of the soil. European farmers understand and appreciate this fact. They know it pays to ship bones from America to enrich their farms."

### GROWING TURNIPS WITH CORN.

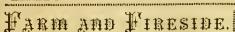
Mr. Barnes of Westmoreland, Oncida county, N. Y., has a novel way of growing turnips with corn, which we do not remember to have seen described before. He plants his corn three feet four inches apart, cach way, which makes four thousand hills to the acrc, and manures in the hills with well rotted manure. He uses about ten loads of manure to the acre, three times, or in other words, when a third If any one doubts the value of phosphoric of the load is put upon the wagon, a few seeds acid for growing Indian Corn, he had better are sprinkled over it, and so on for every third make a few pounds, then he will be sure it is of the load. The manure is then carted to the of good quality, and give it a trial, and if he field and placed in the rows where it is to he does not find it to give corn a good start, and used, and the corn planted. He states hy this push it ahead all through the season, when method that about every hill will have its turany more. It can be very easily made. Put ment to the corn crop. The turnip plants bea few boncs in a hot fire—the kitchen cooking come firmly established by the time the corn is



Nor all the riggers, spinners, and weavers in the country can beat a spider in his work. Its web is a wonder of strength and lightness. See how regular and straight the threads, and how beautifully they are fastened to the cross pieces. They never come undone. A puff of wind, you might suppose, would blow it away. But no; the breeze sweeps through it and over it, and there 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, perhaps three times, and if they do not succeed, they say it is no use, and give up. Not so with the spider. If you sweep its web away again and again and again again and again and again again and again and again and again, again and again it goes to work and weaves another.







G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MAY 4, 1867.

AGRIOULTURE feeds us; to a great extent it clothes us; with-out it we could not have manufactures, and should not have con-merce. These all stand together like pillurs in a cluster—the largest in the center, and that largest is Agriculture.—DANIER WEBSTER.

# SHOULD FARMERS BE EDUCATED FOR FARMING!

The intelligent reader may exhibit eertain facial expressions-perhaps may smile-while reading the title of this article. 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 successfully prosecute a business without thoroughly learning its rudiments; without knowing its fundamental principles, then pursuing it with eonstant research and diligent application. Yet il' lie goes into the country, to any farming community, and asks the savant of the neighborhood the simplest question in agricultural chemistry, vegetable physiology, scientific husbandry 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 cdueation or acquirements, we should not be sale in consulting him relative to any great question of law, involving titles to property; the absolute rights of individuals; of titles hy succession, marriage or judgment; of excentory contracts, or anything in relation to deeds, wills or testaments. If a fellow, itching for money or notoricty, offers his services to the public as a physician, without studying materia medica, we would avoid him unless we wished to meet that "lean fellow that beats all conquerors" -wished to close "life's fitful fever" and journey to that land "from whose bourne no traveller returns." Such characters we denonnce as charlatans, quacks and impostors, and advise all our friends to avoid them.

What material difference, in qualification, is there between the dull, uneducated agriculturist, and the pseudo, spnrious disciple of of Galen? We can see none. The ignorant ly reward the hand of skillful labor. farmer may be houest, industrious and a good dark; is attempting to cultivate the soil without knowing anything of geological origin, of organic chemistry, of vegetable physiology, agriculture. And yet he expects to thrive, increase his domain and lay up something for knowing the rudiments of his occupation, the fundamental principles of progress, he mold. finds agriculture an "np hill business."

If the farmers of this country were as intelligent as they might be; using seience as in seasous of drouth, and is not so readily an aid; understanding the relation of the saturated in rainy weather. plant to its sources of nourishment; what is necessary to make all soils fertile; what jurious to soils as extreme dryness. ehemical properties are essential to erops, mers thus intelligent-most of them will reof the soil, and who never weary of progress, WC say GO AHEAD! You will reap the fruits of your intelligence, add to the aggregate of national prosperity, and leave memories written indelibly in the golden harvests of your homesteads.

The Farm and Fireside in Monthly Parts.

Hereafter the FARM AND FIRESIPE can be had in Monthly Parts, in neat covers, at twenty-five cents each. Those for January, February, March and April are now ready. For sale

#### THE PHYSIOLOGY OF SOILS.

It is of more importance that a farmer should understand the physiology of the soil he cultitivates than at first sight seems apparent. It is inst as necessary to snecessful farming as a knowledge of the physiology of the human system is necessary to medical snecess. The physician must prove his proficiency in such knowledge before he is justly entitled to his diploma; aud as soon as his diagnosis decides the nature of the disease, he can tell the subsequent symptoms the patient may have, and knows precisely what medicines to prescribe. Soils are as much subject to deterioration as the human frame; they may have diseases for which there are scientific remedies; to neglect attending them may result in the death of ster-

A scientific farmer examines a soil possessing all the elements of fertility, which nevertheless seems barren. He finds that there is not enough of impalpable powder to exert a the proceedings of this meeting be published direct influence upon vegetation by entering in the Farm and Fireside. iuto solution with the water and acids, for plants consume only such food as is in a liquid or gaseous form. The farmer is the physician; he prescribes breaking up of the soil and a loosening of the elements which are locked up, as it were, in an insoluble condition. Another is an instance of actual sterility; he shakes his head; it is a bad case; violent remedies are necessary to restoration. His prescription would be something like the following:

"Per acre, lime, fifty bushels; manure, forty loads, with quan. suf. of loam and phosphates, composted in the Fall and applied early in the

Mem.-Under drain, plow deep and twice during the year; diet at intervals with any kind of well decayed mannre."

But we have carried the comparisou far enough; 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 should be as to the composition of the various soils of which its surface is composed. These form the basis 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 perform the same functions, Blackstone? or the false, counterfeit follower be adapted to the same kind of crops, or equal-

From a cursory examination he should glide member of society; but he is laboring in the to a careful, critical examination. There are other important essentials in soils, among which are:

1.-Consistency. Clayey soils have the greatthe agencies of heat, light, electricity, the food est degree of consistency, sandy soils the least. of plants, and little or nothing of scientific Both extremes are nnfavorable for general

2.-Color. Brown and red soils are considthe evening of life. Plodding along, without ered the best, and are termed warm soils; yellow and gray are cold in their nature; black without scientific training, without applying generally indicates peat or deep vegetable

> 3.-Depth. Deep soil gives the roots of plants a wider range, retains moisture better

> 4.-Hnmidity. Too great moisture is as in-

5.—Position of Surface Soil. Sandy soils with all labor sharpened with observation and are most fertile when flat and situated lower Dust" will beat the little "King of the Turf." experience, they would become the wealthiest than the surrounding country. On the declass of the country—the lords of the soil—the clivities of hills such soil is of less value, as it true chivalry of our glorious empire of agri- is liable to become parched by drouths and bay, and last Fall trotted a mile inside of 2.22. culture. But we shall never see all our far- washed away by rains. Clayey soils, on the He is now in training at Buffalo, New York. contrary, especially where the subsoil is impermain fossils-but to those who have a taste meable, are favorably situated when on a hillfor improved husbandry, scientific cultivation side. Sonthern and Eastern exposures are good result attained by hoeing. The soil is favorable to early vegetation.

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 article. We simply wished to show the importance of every farmer having a knowledge of the various soils he has under tillage; and der the province of agricultural physiology.

#### WOONSOCKET AGRICULTURAL SOCIETY.

At their meeting on the 11ult., this Society nnanimously adopted their new charter procured from the Legislature.

Spencer Mowry, Daniel B. Pond and Arlon Mowry were appointed a committee to draft by-laws.

The Society re-organized for the ensuing year by electing Stephen N. Mason, President; John A. Bennett, John Currier and Daniel B. Pond, Vice Presidents; William H. S. Smith, Secretary; Charles E. Aldrich, Treasurer; and John Currier, Auditor of Accounts.

The President appointed Newell A. Bontell, John Currier and Bradbury C. Hill, a committee to secure from Libbeus Gaskill a lease of the "Raec Course," with privilege to purchase the same at a price to be fixed in the

On motion it was agreed that a Fair be held at Woonsocket during the Autumn, and that

RHODE ISLAND HORTICULTURAL SOCIETY .-This Society will hold their Twenty-third Summer Exhibition in the City Hall, Providence, on Wednesday and Thursday, the 26th and 27th days of June next. The schedule of premiums embraces grapes, pine apples, peaches, strawberries, plants and flowers, ornamental leaf plants, ent flowers, bouquets, (school children as competitors) and vegetables. A number of articles are also embraced under the head of "President's Premiums." The awards will amount to upwards of three hundred dollars, and contributors win greater aid the committee by furnishing a first or till. articles on or before Mouday the 24th of January

THE earliest tomato plants should be shortened by taking off a few inches of their tops, so soon as they have set their first lruit, which will canse it to ripeu more rapidly. Stir the soil frequently and keep it free from weeds. Support the plauts with branches or a little trellis, as you would peas, to keep the fruit from the ground. The plants, too, when supported, run less to vines, and are much more fruitful. One dozen plants properly supported will yield more and better fruit than three times that number will when allowed to rest on the ground.

Midnigan Wool Exhibition.—The Western States, having a tariff that suits them, are becoming the wool producers for our Eastern manufactories. Within the last decade, the farmers in the North West have increased their flocks to a vast extent; and have also improved the character of their wool. On the 7tb, 8th, and 9th of this month, Michigan holds a State exhibition of sheep and wool at Jackson. The premium lists are liberal, and as the railway companies of the State offer to carry stock, wool and attendants free, there will unquestionably be a fine exhibition.

"KING OF THE TURP."-The famous horse Dexter, that has trotted a mile in two minutes and eighteen seconds, is challenged by Mr. L. L. Dorsey, of Lonisville, Kentucky, who offers to bet \$10,000 that his horse, "Rolla Gold a cure.

"Gold Dust" is seven years old this Spring, fifteen and a quarter hands high, color brown fowls are very subject.

KEEPING down the weeds is not the only thereby kept friable and porous; opened to the atmosphere and the fertilizing gases, and absorbtion of moisture. Hoe deeply; a mcrc scratching of the surface is not enough. Do not fail to eradicate every weed.

John Giles, the noted cattle raiser, has rethat to understand what food is necessary to moved from South Woodstock, Conn., to South keep the soil in a healthy condition comes un- Framingham, Mass., where he will continue to breed the Jersey cattle.

#### AGRICULTURAL ITEMS.

According to Mr. Lawes' estimate, the manure from a ton of wheat straw is worth \$2 68, while that from a ton of clover is worth 89 64.

The coming wheat crop will be the largest ever grown ou this continent.

The strawberry basket trade has been very brisk in Bergen county, N. J.

At the Beet-root sugar manufactory at Stuttgard, in Germany, sixty-five thousand tons of beets are annually converted into su-

Bees are destroying the fruit and grape buds iu New Albany, Indiaua.

The locusts have already begun to hatch in Kansas and another scourge is anticipated.

A cabinet containing distinctive samples of wool is now a feature at the Treasury Depart-

The Michigau State Wool-Growers' associatiou will hold a shearing festival at Jackson city on Monday next.

Among the large yields of potatoes recently reported, is one from Canada, to the effect that two peach blows, cut iuto sets, produced two bushels of large, sound potatoes.

A Wisconsin farmer has a pig which weighed one hundred and ten pounds when sixty-five days old. It was a cross between the Suffolk and Irish Grazier breeds. The rest of the litter were nearly as large.

It is stated that I. S. Diehl has been commissioned by the Agricultural Department to go to Asia to make an investigation upon the subject of Asiatic goats.

Soaking cows' teats for a few minutes in a very strong decoction of white oak bark; also rubber rings that fit tight euough to stay on, are recommended by the New York Rural, to prevent cows leaking their milk.

The price of farm labor has increased about 60 per eent since the outbreak of the rebelliou, which is less than the advance in the cost of living, but greater than the advance in the price of farm produce.

Florida produces lemons that weigh over a pound, and are twelve inches in circumference. These mammoth lemons are obtained in East Florida, and on the Southern coast islands, by grafting the lemon cutting on the native sour orange tree. The fruit is equal in flavor to the best West India lemons.

The Annual Shearing Festival of the North Kennebec (Me.) Wool Growers' Association, is nounced to take place at Waterville on Tues-

Mr. Edward Todd, agricultural editor of the New York Times, has been appointed by the Commissioner of Agriculture to report ou the Agricultural Implements of the Paris Exposition, and will sail for France about the first of June, to fulfil the object of his mission.

The New York State Agricultural Society will hold "a Plow and Harrow trial," at Auburn on Tuesday next.

H. B. Burritt, Waucunda, Ill., writes that he believes horn ail to be generally caused by iuaction of the liver, and that he has admin istered sulphate of irou as a remedy with success. One tablespoonful every day, dissolved in warm water was the amount given. If given in season one or two doses will effect

Pulverised charcoal given occasionally is a preventive of the putrid affections, to which

INCREASE OF LIVE STOCK.—The late report of the Commissioner of Agriculture states that there were on the first of February in all the States, a total of 5,401,263 horses, valued at \$429,271,818; 882,386 mules, valued at \$76,-094,954; 11,318,952 cattle and oxen, valued at a new, fresh, cool surface is presented for the \$249,351,682; 39,385,386 milch cows and sheep, valued at \$132,774,660; and 24,693,-534 hogs, valued at \$134,111,424. These figures, as compared with those of last year, reveal a decided increase in the number of live

> A NATIONAL HORSE FAIR is to convene at Trenton, N. J., on the 11th of June.



Influence of Wives.—It was not all a dream which made the wife of Julius Cæsar so anxions that he should not go to the Senate chamber on the fatal Ides of March; and had he complied with her entreaties he might have escaped the dagger of Brutus.

Disaster followed disaster in the career of Napoleon, from the time he ceased to feel the balance-wheel of Josephine's influences on his impetuona spirit.

Our own Washington, when important questionally and the complete of the career of Napoleon, from the time he ceased to feel the balance-wheel of Josephine's influences on his impetuona spirit. tions were submitted to him, often said that he would like to carry the subject to his 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 connscior.

great majority of men who have acquired a good and great name, were not only married men—but happily married—both paired and matched.







# The Fireside Muse.

#### WORK

Down and up, and up and down Over, and over, and over; Turn in the little seed, dry and brown Turn out the bright red clover. Work, and the sun your work will share.
And the rain in its time will fall, For nature she worketh everywhen And the grace of God through all

With hand on the spade and heart in the sky. Dress the ground and till it; Turn in the little seed, brown and dry. Turn out the golden millet; Work in the house and your house shall be duly fed; Work, and rest shall be won: I hold that a man had better be dead Than alive when his work is done!

Down and up, and up and down On the hill top, low in the valley. Turn in the little seed, dry and brown Turn out the rose and lily; Work with a plan, or without a plan And your ends they shall be shaped true. The best way to know what is to do.

Down and up till life shall close Ceasing not your praises; Turn in the wild white winter snows. Turn out the sweet Spring daisies And the rain in its time will fall For nature she worketh everywhere And the grace of God through all.

# Fireside Tale.

THE WRITING ON THE WALL

BY M. O. JOHNSON.

"You little mischief! What are you up to now? I'll teach you better, you naughty, naughty child?

It was on the mother's lips to say this; and for a moment, in her heart to act in accordance with it. But a better thought came into hood. her mind and she paused an instant, keeping back the hasty words. It cost her an effort, for she was young, impetuous, high-spirited, a very nice housekeeper; and here was her boy Willie, of two or three years, busily engaged in drawing a "horse and cart," as it seemed to beside its fire, save one. Willie, the first born, his active fancy, on the parlor wall. To his is a painter, studying his profession in the land pecially in our State. mother's eye, the delicate, pretty wall paper, with its rose-buds scattered on a white ground, was not improved by the young artist's handiwork. It was provoking, when the girl was sick, and she had all the work to do, and had ouly left him five minutes, with playthings and a picture book, to keep him out of mischief, to think that he should stray into that one forbid len place, and do a forbidden thing, just where it mattered most. But she conquered her angry feelings, and laying her hand gently on the child's shoulder, with the other she

"Willie, don't you know that was naughty? Mamma told you not to write on the wall."

The boy had raised his little hands, to plead while a look of surprise and pain swept over said, earnestly:

so sorry, mamina!"

Mrs. Lawson felt in her heart that the child's thought that had come to her-the strength story of the child's "writing on the wall. that had been given to rule herself, she took her boy in her lap and spoke gently, tenderly, to him, wiping away his tears.

"Willie, dear, you must try to remember. You don't want to do what papa and mamma don't like, and spoil our pretty house, do : vou?

Willie looked up in amazement. "Don't you tink Willie's hort be pritty, mamma?" he

Two months had passed away, and an awful few words, and a face carrying with it more matrimony as the next thing to war.

of sympathy than of hope or encouragement. Willie had been healthy, and his mother, though young, was careful and judicious; but with no note of warning, by some unseen and unsuspected door, that terrible disease, that only those who have seen it can imagine, croup, had entered. Ah! in that trial time, when prayer swelled up from anguished hearts, and love could scarcely feel weariness, doing all that human love might do, by day or night -in that hour, again and again the recollection of the little scene in the parlor, only two months before, when she had never even fancied such an experience as this, thrilled the mother's soul with thanksgiving. She knew, then, that if she had been unjust or impatient with her child, the remembrance would in this dark hour be her keenest pang; it seemed to her that every hasty word she had spoken to her boy, every impatient feeling even, came back at this time. But the dreaded cup passed, and Willie seemed twice forgiven, when father and mother held him to their greatful hearts, in the glad certainty of recoverv.

Afterwards whenever Mrs. Lawson's eye rested on Willie's rude picture, which still remained-for though she, at first, had intended to erase it she had been so busy before Willie's sickness that it was forgotten-it seemed a watchword, a reminder, a talisman that quieted wrong feelings, and brought into her heart love and gratitude.

For years it remained there: and when new paper was needed, Mrs. Lawson herself so carefully removed the strip traced by baby fingers. that it was not torn, and laid it in her drawer as a precious thing. By that time, seven little ones gathered round her fireside, and that picture had been a medium of good to them all, though they knew it uot.

There Willie found it wheu grown to man-

It is Christmas Eve. Peace and good-will abide in the comfortable, well-ordered home of the Lawson family. The dark-winged angel has sometimes overshadowed that home, but never borne any away. All are gathered now of beauty and art-sunny Italy. But he is well, expected home before this festive season shall return, and a long letter this evening received, and replete with hopeful affection and pecker. earnest purpose, seems the thing next best to seeing him.

But scarcely is the letter read, when they are surprised by the arrival of a package containing a Christmas gift, which, to their hearts, must ever be beyond all price. It is a picture, delicate and rich in coloring, graceful in till midsummer, and are thus on hand in great design, of a little child drawing on a wall, took away his pencil, and said calmly, though Fastened to one corner of the frame, is a tiny note, inscribed simply "Mother."

All gather eagerly around. Now the picture is held in every light, examined and talked about in tones of loving enthusiasm; for his pencil, but he dropped them instantly, but "mother" sits silent, till one of the parks, so that they should not be frightened younger children addresses a remark directly away by the people, they would do much his face. His lip quivered as he met his mo- to her-"I wouder, mother, why Will chose ther's eyes, and the tears rolled down, as he this subject? It is beautiful; but it seems a The yellow birds, in immense flocks, are found "Oh, mamma! Willie did forget. Willie he might find any day in our neighbors" houses.

And theu "mother," with eyes a little unwords were true; and, grateful for the better steady, told, for the first time to them, the

not understand how gentlemen could smoke.

"It certainly shortens their lives." said she. "I don't know that," replied the gentleman:

day, and is now seventy years old." "Well," was the reply, "if he had never

smoked, he might have been eighty.

shadow brooded over the hitherto happy marriages occur immediately after a net takes in fish. The eyes of flies enable

# Matural History.

#### SOMETHING ABOUT BIRDS.

Dr. Trimble having made the subject of birds and insects, as they relate to the garden and orchard, a matter of special study and observation, the following extracts from his address in relation thereto, as reported in the Newark Advertiser, cannot fail to interest all parties, and especially those who would protect the birds, as the fruit-grower's co-workers, notwithstanding they eat some fruit; for it should be remembered that they feed more or less ou insects and their larvæ for many months of the year, while it is comparatively a short space of time that they peck at fruits of the different species and various varieties. Would it not be better to employ persons for a few days to keep them away from fruit plots, than to engage in their indiscriminate destruction? So it seems to many who have considered this matter in the light of rural and horticultural

Of the Baltimore Oriole, that beautiful bird and charming songster, Dr. Trimble said, "they are becoming numerous, and when they first arrive they feed on leaf-curling caterpillars, so injurious to fruit and ornamental trees and shrubs; also upon the cauker worm, that destructive pest, and later in the season upon the drop-worm. He stated that by the aid of the microscope he had been able to prove positively that the orioles feed upon that terrible enemy of the fruit-grower-the curculio; that a small portion of a head, supposed to be that of a curculio, was found amongst the comminnted contents of the crop of one of these birds, and the microscope enabled him to count the 147 lenses in one of the eyes-the exact number known to make the eye of this particular species of the curculio.

The Downy Woodpecker is one of the most valuable birds of our country. It knows where to find, and is busy in searching out, the apple worm-the second in importance of the insect enemies, which, with the curculio are the chief canse of the ruin of the frmit business, es-

The Little Chick-a-dee also feeds upon the apple-worm, but finds it accidentally, and not by boring for it, as does the downy wood-

The Cedar Bird, sometimes called the Cherry Bird, (Canker Bird) said the Doctor, is a gross feeder, consuming immense numbers of canker worms and of injurions insects. This bird and the yellow bird, or finch, resemble each other in one respect, both remaining in flocks, numbers when their services are most required; while most other birds are at home attending to their domestic duties. The cedar birds are found in New York and Philadelphia in large flocks in June, after the worms, and if they could be properly protected by closing the towards ridding those cities of these pests. little strange to send us from Italy just what in wheat fields where the midge is so destructive. They are in pursuit of the larvæ of these flies in the heads of the wheat, while the grain is in the milk: and farmers sometimes have supposed these birds are the cause of the

on plant lice, as found in orchards; in the Fall, so infest our elm and maple trees, thus becom- guage without a grammar. ing exceedingly fat.

The Whippoorwill is a nocturnal bird, and its A CINICAL journalist says the reason so beak is so formed that it takes in moths as a swallow and the house martin feed almost e

clusively on winged insects, which are taken on the wing by these ærial feeders.

The foregoing are good and substantial reasons why birds should be preserved. 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 few for destroying them, they will be permitted to live, and sing to delight the lovers of Nature, as well as to destroy vermin.

# Fireside Miscellany.

#### THINGS WISE AND OTHERWISE.

NURSING colds, cleaning yards, planting early peas, dress-making, house cleaning and keeping one's temper, are the principal domestic dnties of the season.

"One might have heard a pin fall," is a proverbial expression of silence, but it has beeu eclipsed by the Freuch phrase, "You might have heard the unfolding of a lady's cambric handkerchief."

At an agricultural dinner the following toast was given: "The game of fortune-shuffle

the cards as you will, spades must win." What perfume is most injurious to female beauty? The essence of thyme (time).

"We see," said Swift, in one of his most sarcastic moods, "What God thinks of riches by the people whomhe gives them to."

The motto of a new Virginia paper is,-'Eternal vigilance is the price of liberty—the price of the Expositor is three dollars a year." Why is the early grass like a penknife? Be-

cause the spring brings out the blades. SQUIBS ON SONG TITLES .- "You'll remember me "-When my note is protested.

"In darkness I wander."-Take a lantern and go straight on.

"We met by chance."-At Crosby's Opera House.

Murmurs of the tied-married people's complaints.

To curb a fast young man-bridal him. Female gymnastics—jumping at an offer. Favorite airs of mammas having marriageable

Saughters—millionaires. A serpentine mathematician—the adder.

The oldest case of lunacy-time out of mind. A social posy-the dandy lion.

An Irishman says he can see uo earthly reason why women should not be allowed to become medical men.

A cigar may draw wisdom from the lips of philosopher, and stop the mouth of a fool.

Why is an author a queer animal? Because his tail comes out of his head.

Give strict attention to your own affairsand consider your wife one of them. A pin has as much head as a great many au-

thors, and a great deal more point.

John Minor Botts recently recovered a horse which was stolen from him during the war: whereupon the New York World remarks:-"If Botts was disconsolate without the horse, how happy was the horse to be free from Botts!"

A GRAPHIC DESCRIPTION OF CHINA. -A COUNry where the roses have no fragrance and the women no petticoats; where the laborer has no Sabbath and the magistrate no sense of honor; where the roads bear uo vehicles and tronble, not knowing that they are their best the ships uo keels; where old men fly kites; where the needle points to the Sonth, and the The Warblers include nearly forty species of sign of being puzzled is to scratch the anti-A Lady was once declaring that she could small birds, and are exclusively insectivorous, podes on the heel; where the place of honor most of which are very beautiful, and many of is on the left hand and the seat of intellect is them sweet singers. In the Spring they feed in the stomach; where to take off your hat is an insolent gesture, and to wear white gar-"there is my father who smokes every blessed as they emigrate to the South, they stop and ments is to put yourself in mourning; which feed ou the late brood of Palmer worms that has a literature without an alphabet and a lan-

In the depths of the sea the waters are still; the heaviest grief is that borne in silence; the deepest love flows through the eye and touch; home. There were anxious vigils, and sad great war is, that bachelors become so ac- them to see all around them, and the muscular the purest joy is unspeakable; the most imsilence, and a wrestling of prayer by Willie's customed to strife that they learn to like it, force of their wings is so quick that they can pressive prayer is silent; and the most solemn bedside. The doctor came and went with a and after the return of peace they enlist in dodge the rain drops in a shower; yet the preacher at a funeral is the silent one whose lips are cold.



Why does Indian Rubber Erass Pencil Marks from Paper?—It is explained thus: The pencil mark consists of carbon rubbed off from the black lead of the pencil; Indian rubber also consists mainly of carbon; and when the carbon of the rubber is brought in close contact with the carbon of the pencil mark in the process of rubbing, the smaller quantity of carbon in the pencil mark is attracted by the larger mass of carbon in the rubber, and thus removed from the paper. Black lead or plumbago, which forms the marking portion of the pencil, is a mineral substance, composed chiefly of carbon, but with a very small proportion of oxide of iron. Indian rubber is a vegetable substance, which exudes from a tree, and is a compound of carbon and hydrogen, in the proportion of ninety parts of the former to ten of the latter.





# General Miscellany.

#### TROUT IN TANKS.

Now that the subject of fish culture is attractiug very general attentiou, almost any facts relating to it are of greater or less value, I send you a short extract from Morris's American Anglers' Book (published in 1865), which I am sure will be of interest to many of your readers.

"A singular evidence of the number of trout that will thrive in a small space can be witnessed at Hallertown, a few miles South of Bethlehem, Pennsylvania. Owen Desh, who keeps a hotel there, has a trough in his yard which is twenty-four feet long by two wide, with a depth of water not over eighteen inches. In this limited space he 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 once a day. \* \* \* The trough iu question contains seventy-two cubic 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, and would flow through a hole an inch and a half

It is not every one that ean go into trout breeding or feeding on any considerable and systematic 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 theniselves or their ehildren-to whom (these last, at least), the care of the fish would be a daily recurring and increasing pleasure.

Doves as FARM STOCK.—In many portions of France it is said to be the practice of land holders to make it a condition in their leases to tenants that they shall provide a pigeonhouse, or dove-eot, and keep it well stocked with these birds. The reason for the condition is that these birds do a great amount of good in eating up the seeds of noxious plants, such as chess, eockle, and the like. They do not live on well grown grain when they can find that which is shriveled, as well as the seeds of 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 and the crops the most prolific.

A MAN with a large family was complaining 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.

THE San Francisco times of the 27th ult., carefully considers the chances of a good well down to the cotton and cane regions. wheat crop, and concludes that "California will gather at least an average harvest the its culture, as indicated in its title. From present scason, ensuring, in view of the a hasty perusal, we are much pleased with Mr. breadth of land sown, a large aggregate of Stewart's views and investigations. He fairly cereal products, and consequently a good deal exhausts the subject, and throws much light to sparc.'

next. Hundreds of hogsheads of that staple will be on exhibition in competition for the 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 \$2.50. The Patriot is an old established family newspaper, lips in a manner which defics detection, and give a pretty ponting appearance to the mouth.

with the largest circulation of any country journal in New S. S. FOSS, PUBLISHER, Woonsocket, R. J.

#### A NEW WRINKLE IN HORTICULTURE.

At the last meeting of the Agricultural Society of Iudia the Rev. Mr. Firmingham communicated a plan by which the stones of fruit may be reduced or made to disappear, and the pulp be increased in size and improved in flavor. At any time during the cold season select a branch that is to be used afterwards for iuarching. Split up carefully somewhat less than a span long. From both halves of the branch thus split, seoop out cleanly all the pith; then bring the split halves together again, and keep them bandaged till thoroughly united. At the usual time, the beginning of the rains, inarch the branch thus treated upon suitable stock, taking for the place of union the portion of the brauch first below where the split was made. Upon a branch of the tree thus produced a similar operation is performed, and so ou in suecession; the result heing that the stone of the fruit becomes less and less, after each successive operation. This process has been applied likewise to the grape vine at Malaga; and plants thereby have been produced which bear the finest fruit, without the slightest vestige of a seed within them.

# Our Baak Table.

THE OLD PATROON: OR THE GREAT VAN Broek Property.—By James A. Maitland: Philadelphia: T. B. Peterson & Brothers.

A local novel is generally more interesting than one with its seenes, incidents and charaeters in foreign lands; hence this story of American life-although written by an English author-has peculiar 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 production, The Old Patroon, reads well; refreshes our memory of Kuickerhoeker customs; exhibits the gaudy side of New York fashionable life: the haunts of vice in its great commercial capital, and hits off some other peculiarities of American civilization. We eannot call this a brilliant novel; yet it is full of pathos, satire, and far better than three fourths of modern tales.

Sorghum and its Products. Au account of Recent Investigations concerning the value of Sorghum in sugar production, together with a description of a new method of making sugar and refined syrup from the Plant. Philadelphia: J. B. Lippincott & Co.

The partial failure of the American sugar crop prior to the late Rehellion, and the almost total extinction of the business through the war, turned the attention of progressive agriculturists to some other plant that would produce sugar. In 1854 the Government imported some Chinese sorghum seeds, which were distributed to various parts of the country for experiment. They were not particularly successful-mainly, perhaps, because we did not understand its culture; nor of the proper method of making syrup and sugar from it. In 1857 an importation of African sorghum, or imphee, lead to further experiments. It has been found to grow well in "the Summer isotherm of seventy degrees;" this line runs through Southern Connecticut, New York, Northern New Jersey, Southern Peunsylvania, Ohio, Miehigan, Indiana and Missouri. It has also been found to thrive

The volume before us treats of Sorghum and and practical information on the culture of this sugar producing plant. We have faith Tobacco Fair. - The Kentucky State Agri- that it can be made a productive crop, as it cultural Society will hold a Tobacco Fair at will grow anywhere, almost, where corn is Louisville on the 12th and 13th days of June raised. We recommend the volume to all agriculturists.

#### THE FARM AND FIRESIDE AND THE PATRIOT FOR \$4.00 PER YEAR.

large this season.

#### Marriages.

In East Douglas, April 25th, by Rev. W. T. Briggs, A. Alger of Woonsocket, to Etta Thayer of East Douglas.

In Webster, April 13th, Horace Gay to Louisa M. Heath, In Southbridge, April 13th, Wm. Henry Harrison Chency Mary R. Lyon, both or Southbridge.

In Worcester, April 30, Frank A. Muzzy of Worcester, to Lizzie M. Joslin of Thompson, Ct.

### Deaths.

In Smithfield, near Slatersville, 25th ult., Susan, wife of oseph Almy, in the 70th year of her age.

In Burrillville, 22d ult., Stephen E. Bligh, in the 27th year of ds age.

In Foster, 22d ult., Authory Shippee, aged 86 years

In Greenville, Margaret Greer, in the 25th year of her ag-In Central Falls, 26th ult., Alhert E. Adams, in the 31st year of his age.

In Clayville, on the 29th uit., Esther Jencks, widow of Joseph Jencks, aged 85 years and 9 months.

In Uxhridge, April 22d, Mr. Josiah Cummins, aged 69 years nd 6 months. In Pawtucket, 22d ult., Olive Chency, in the 87th year of her age; 17th ult., Ella 1. Thompson, aged 15 years.

In Coventry, 27th ult., Mr. James Briggs, In the 73d year of

n Milford, April 21st, Henry Coffey, aged 18 years

In Hopkinton, April 23d, Mr. J. Jones Loring, aged 57 years In Providence, 23d ult., Nathan W. Lazell, in the 32d year of is age; 28th ult., Caroline M., wife of Mr. B. G. Briggs, aged

In Oxford, April 28th, Charles, son of Edwin S. Bail, aged 19

In Danielsonville, 27th ult., Increase Barrows, aged 72 years 19th ult., Ephraim Keech, aged 69 years; 20th, Melinda M Brewster, aged 61 years.

In Hampton, April 18th, Mrs. Hnnnah Clark. widow of the late Jonathan Clark, Esq., of Hampton, aged 90 years. In Mansfield, Conn., April 16th, Denison Grant, aged 78 yrs. April 23d, Elizabeth McClean, aged 25 years.

# The Markets.

# WOONSOCKET RETAIL MARKET.

[For the week ending May 3, 1867.] FARM PRODUCTS, FUEL, &c. 

# BRIGHTON CATTLE MARKET.

May 1, 1867.

At market for the current week: Cattle, 2048; Sheep and Lamhs 6508. Swine, 2550.
PRIORS. Beef Cattle—Extra, \$13.75@ \$14.50; first quality, \$13.00@\$13.50; second quality, \$12.25@\$12.75; third quality, \$11.50@\$12.00 \$7 100 fbs (the total weight of hides, tallow and dressed heef.)

ressed heef.) Country Hides, 9@9%e 号 lh. Country Tallow 7@7%c 号 lb. Brighton Hides, 10@10%c. 号 lb: Brighton Tallow, 8@8%c

Brighton Hides, 10@10½c. \$\forall b\$; Brighton Tallow, 8@8½c \$\forall b\$; b\$.

Sheep Skins, 25@50; Wool Sheep Skins, \$2 @ 250.

Calf Skins, 20c. \$\forall b\$; h\$.

There are more cattle in the market than the demand requires, and priees have failen off full as much as they advanced one week ago. We have not heard of any Beeves heing sold for more than 15c \$\forall b\$; h\$.

Working Oxen.—Sales at \$740, \$250, \$260, \$275, \$295, \$300, \$310, \$313 and \$340 per pair. There is a good supply in market, and not a very firm demand.

Milch Coven—Sales extra at \$90a110; ordinary \$60@\$80.—\$500 cover \$\$4853.

Sheep and Lamha.—We quote sales of lots at 3½, 4, 6, 6½, 5½, 81½, 81½, 81½e \$2 \to b\$. Trade is not so active, and the supply larger than last week. Prices bave declined \$\times\$ and the supply larger than last week. Prices bave declined \$\times\$ and \$\times\$ and \$\times\$ as a supplementary of the supply larger than last week. Prices bave declined \$\times\$ and \$\times\$ as a supplementary of the supply and \$\times\$ as a supplementary of the supply and \$\times\$ as a supplementary of the supply larger than last week. Prices bave declined \$\times\$ and \$\times\$ as a supplementary of the supply and \$\times\$ as a supplementary of the supply as a supplementary of the 
### THE WOOL MARKET.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

### TERMS OF ADVERTISING.

A limited number of advertisements will be published in the FARM AND FIRESIDE. Price, fifteen cents a line cach insertion. Advertisements are set up in a uniform style.

# The peach erop of Illinois promises to be Great American Tea Company.

#### THE IMMENSE PROFITS

### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY hecame fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American bouses, leaving out of the account entirely the profits of the Chinese

factors.

1st. The American House in Chiaa or Japan makes large profits on their sales or shipments—and some of the richest retired merchants in this country have made their immense fortunes through their houses in China.

2d. The Bunker makes large profits upon the foreign exchange used to the purchase of Teas.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

4th. On its arrival it is sold by the cargo, and the Purchaser sells to the Speculator in involces of 1,000 to 2.101 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer in liacs at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it to the Wholesale Grocer la lots to suit the trade, at a profit of thour 10 per cent.

7th. The Wholesale Grocer solls it to the Retail Dealer at a profit of 15 to 15 per cent.

8th. The Retailer sells it to the Consumer for all the profit anget.

When you have added to these EIGHT profits as many broker-aces. Carlines, stempes, conpresses, and waste, and add the

ages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so

very much lower than small dealers. We propose to do away with all those various profits and rokerages, eartages, storages, cooperages, and waste, with

the exception of a small commission paid for purchasing to our profit to ourselves-which, on our large sales, will amply pay us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small addix and expense of transportation) as though they hought them at our Warehouses in this city

club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and amount plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be one confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the clith can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount ordered exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as liberal as we can afferd. We send no complimentary package for Clubs less than \$30.

Parties getting their Teas from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are soft at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods soft are warrented to give satisfaction.

PRICE LIST:

YOUNG HYSON (Green), 80e., 90c., \$1, \$1 10, best \$1 25 \$2 lb.

MIXED, 70c., 80c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.

MIXED, 70c., 80c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.

JAPAN, \$1, \$1 10, hast \$1 25 \$7 lb.

OOLONG (Black), 70c., 80c., 90c., best \$1 \$7 lb.

IMPERIAL (Green), hest \$1 25 \$7 lb.

ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 20 \$1 lb.

GUNPOWDER (Green), \$1 25, best, \$1 50.

These Tests are chosen for their jutinist, worth, keeping in

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drinking them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, heing composed or the hest Foo-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that klud of Tea, although it is the finest imported.

Customers can save from 50c. to \$1 per 16 by purchasing their

THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE 20c., 25c., 30c., 25c., best 40c. per pound. Hotels. Saloons, Boarding-house keepers, and families who use large quantities of Coffee, can economize in that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of Fic. per pound, and warrant to give perfect satisfaction.

To the Great American Tea Company,

Nos. 31 and 33 Vesey-st., New-York.

Gents: 1 forward you my fourth order and could have doubled it if 1 had collected any, as your Teas take the lead in the market, we feel it a saving of \$1 per pound. Please accept my thanks for the complimentary package. Address by Ex-

	WEERLI REVIEW OF THE NEW TORK	Gents: I forward you my fourth order and could ha	STE
1	WHOLESALE MARKET.	doubled it if I had collected any, as your Teas take the lead the market, we feel it a saving of \$1 per pound. Please acce	in
٠	During the past week the flour market has been more active.	my thanks for the complimentary package. Address by E	Ex-
7	and there has been a decided relection in the low grades, and all kinds have improved. Trade and family grades are in small	press, Martin Luther, Washington, Pa.  MARTIN LUTHER	
t	supply and close firm. Low grades close active and higher.  Early in the week the wheat market was comparatively	13 th Young Hyson, in pound packagesat \$1 25\$12	
f	quiet, but subsequently the war news from Europe and a ma-		50 60
	terial advance in gold caused a rapid rise in prices. The high rates asked have checked the demand.	2 fb Young HysonGeorge Murphyat 1 25 2	60
	Barley has been in fair demand, chiefly for export. At the close it is quiet, but prices are tirm.	2 to Young HysonSamuel Deckerat 1 25 2	50
l	Oats have been in more active demand, and prices rapidly improved, but are casy at the close.	1 to Young Hyson Henry Wheatleyat 1 25 1	25 25
S	Corn has been in active demand, and the market much ex-	7 fb Young HysonMorgan Hayesat 1 25 8	75 50
I	eited. The request was partly speculative, though hrisk for export. The stock has been reduced to less than 950,000 husbels.	4 fb Young HysonMark Comhsat 1 25 5	60
	At the close prices are much easier, and unsettled.  Pork has been in fair demand at variable prices. The arri-	8 fb Young Hyson Miss Stuartat 1 25 10	00
	vals have been moderate. Prices are about \$6 a harrel less		50
	than at this time last year, while the stock is about the same.  The market closes easier.	2 to Oolong, bestO. Baylandat 1 bu 2	00 50
-	Beef has been in better demand, and with the small stock prices are firm, and the tendency is still upward.	2 to Young HysonMr. Guytonat 1 25 2	50
11	**************************************		50 50
0	TED 300 OF A DVID TOTAL	5 th Ooloag, hestllenry Hullat 1 00 5	00
8	TERMS OF ADVERTISING.		75



Reflection.—It cannot be that earth is man's abiding place. It cannot be that our life is cast up by the ocean of eternity to float a moment upon its waves and sink into nothingness. Else, why is it that the high and glorious aspirations which leap from the temple of our hearts are forever wandering about unsatisfied? Why is it that the rainbow and cloud come over us with a beauty that is not of earth, and then pass off, and leave us to muse upon their faded loveliness? Why is it that the stars, which hold their "festival around the midnight throne," are set above the grasp of our limited faculties, forever mocking us with their unapproachable glory? And, finally, why is it that brighter forms of human beauty are presented to our view, and theu taken from us—leaving the thousand streams of our affection to flow hack in Alpine torrents upon our hearts?







# Farm and Garden.

MINOR MANURES, &C.

Written for the Farm and Fireside, BY H. KOHLY, MINERAL POINT, MISSOURI.

Allow me to point out to my brother farmers a way to make a good and cheap fertilizer worth, if my theory and olfactory nerves do not deceive 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, under the roosts on the floor. parsley, celery, &c. 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 yield easily a barrel per week, fifty-two barrels every year of a fine compound of potash, phosphate of lime and fixed ammonia-the very things to bring about the formation of vigor in forcing their way into the open air. valuable nitrates. There need be no expenses for it, at least in the West, where wood is plenty and loads of white bones are to be picked up all over and around every farm. Besides, the fowls relish and are benefited by these broken bones.

Auother way to increase your quantity of manure, practicable almost everywhere, is to early before warm weather sets in, or they are rake up the pile of wood chips to be found hable to fail altogether. in almost every yard at the close of the Winter. Build a heap with alternate 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 charcoal, a very precious fertilizer which I am surprised Fraucc it is highly valued for all kinds of crops, especially 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 juices or sap with sub-acetate of lead. This salt has the valuable properties of combining with and precipitating every vegetable matter; gum, chlorophyl, starch, tannic acid, &c., sugar excepted, 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 every French elementary book on chemistry. I tried it with perfect success, sulphuric acid test, without detecting the least 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 salts of lead being poisonous; but if the process in proved to be innocuous, truth and science will remain masters of the field.

May, 1867.

HEN MANUEE. - This is a most valuable artiof the best guano, even when mixed with half million bushels. its bulk of garden mold. By mixing the excrement of hens with muck, or well decomposed peat, and saturating the whole with urine, or diluted sulphuric acid, a compound of great energy will be found, and which, when applied to the purposes of vegetable enrichment in the ordinary way, will insure the best and most salutary results on any crop.

An English farmer recently remarked that he fcd his land before it was hungry, rested it before it was weary, and weeded it before it was fout. Seldom, if ever, was so much agri-

#### ON PLANTING GARDEN SEEDS.

In planting various kinds of garden seeds, many persons manifest a great want of judgment in regard to the proper depth that seeds should be covered. The error is more frequently in planting them too deep than otherwise; the depth that seeds should be planted, varies with the kinds, and iu some degree with circumstances. Large secds of strong growing plants, such as peas, beans, corn, &c., should be planted deeper than small sceds of delicate growing kiuds like carrot, lettuce,

To insure speedy vegetation, seeds require a due degree of moisture, heat and air. If the seeds are not covered sufficiently deep, particularly after the warm weather sets in, they lack moisture and fail to vegetate. If planted too deep they do not receive the requisite amount of heat and air, and they either rot, or the young plants exhaust their strength and

Such plants as the radish, cabbage, turnip and the like, 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 most favorable requisites of vegetation, are generally a long time in coming up and must be planted

As a general rule the seeds of delicate plants should be covered 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 seed vessel, require considerable moisture to cause them to burst forth, and it not planted early they should be soaked thirtysix hours, the water should be turned off and not to see more used in this country. In the seeds kept moist for several days before planting. Such varieties as peas, beans, okra and similar kinds require a covering 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.

Foreign Agrioulture.—The last published report of the Agricultural Commissioner gives some interesting statements in regard to foreign agriculture. In Great Britain, last year, with seventy-seven millions of acres of land and twenty-five millions of people, eleven millions of acres were devoted to cereals. France has one hundred and seven millions of submitting the sweet liquid afterwards to the acres and thirty-seven millions of people, and she had thirty-nine millions of acres devoted trace of lead. If some practical chemist would to raising cereals, and fifty-eight millions of acres devoted to grass growing and grazing. In Austria, with one hundred and forty-five millions of people, there were twenty-six millions of acres of cereals cultivated last year, filters will try to raise a prejudice on account of 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 carried on most extensively in France, that country having produced two million bushels last year, while Eugland produced four hundred and ninetycle, and possesses a value almost equal to that cight thousand, and Ireland produced one

> Sheep should have a greater 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 morning should be good soft hay.

> It is said that in a single county 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.

It is said insects will be less destructive in cultural wisdom condensed into a single sen- an orchard well cultivated, than in one that is

# Advertising Department. South nown co.'s PATENT

#### Rhode Island.

W. E. BARRETT & CO.,

Manufacturers of

MEAN'S PATENT CONICAL PLOWS,

SHARE'S HORSE HOES, WOON'S AND WIGHT'S PLOWS GARNEN BARROWS.

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINOED HARROWS, CULTIVATORS, ROAD SORAPERS, OX YOKES, AND PLOW CASTINGS;

And Wholesale Bealers in

Hoes, Shovels, Axes, Scythes, Forks, Snathes, Cradles, Horse Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetahle Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES,

Whitcomh's Patent Horse Rake, and the hest Hay Tedder in the market. Prices low and Terms Cash.

OFFICE, 32 CANAL STREET,

E. BARRETT & CO., PROVIDENCE, R.1

Now offer at the LOWEST OASH PRICES.

Now offer at the LOWEST OASH PRIOES,

500 Bags Prime Herd Top.
500 Bags Prime Herds Grass.
500 Western and Northern Clover.
1500 Bushef Prime R. I. Bent, for Pastures.
300 'Seed Barley.
100 'Spring Rye.
3000 'Bedford Seed Oats.
100 'Early Goodrich Potatoes.
200 'Seed Peach Blows.
100 'Harrison Potatoes.
200 'Harrison Potatoes.
200 'Seed Peas.
100 'R. I. White Cap Corn.
100 'R. I. White Cap Corn.
100 'Buckwheat.
200 'Millet and Hungarian.
White Hutch Clover, Orchard Grass, Onion Sets, and a complete assortment of

GARDEN SEERS, ed for us with great care. 200 Barrels dry ground Bone for tre, together with all kinds of Farm Implements and Mac hinery.

Send for Circular of Mead's Conical Plows and Share's Horse
Hoes—and don't forget the number,

32 CANAL STREET. 32.

March 23, 1867.

SEEDLING COOKE'S RATTLER.

a new and very superior Seedling, grown by Joseph J. Cooke, Esq., of Cranston, and now offered for sale as the hest LATE KIND in the market. It is a rusty coated, light red, round, great yielder; white and perfect inside, and a splendid Tahle Potatoe. Price, \$3.00 per hushel. Sold only by W. F. BARRETT & CO., PROVIDENCE, R. I. April 13, 1867.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Chastings; Shares Hay Cutters, Garder and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c Holder's Block, Main Street, Woonsocket, B. I.

W E BARRETT & CO., Manufacturers of Mead's Patent Conical Plows, Shares' Patent Horse Hoes, Chase's Two Horse Potato Diggers, Lufkin's new Side Hill Plows. Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

Anies, Attention!—A Silk Derss Pattern, or a Sewing Machine, sent free, for one or two days' service, in any town or village. Also, a gift sent free, by addressing with stamp, W. FISK & CO., 18 State Street, W. FISK & CO., 18 State Street, W. W. et al. 4 w.we-14

WHITE FRENCH TURNIP, of the purest kind, raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the hest in usc, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEER can be had of W. E. BARRETT & CO Feb. 23, 1867. 32 Canal Street, Providence, R

PARRETT'S EXTRA EARLY CABBAGE,—The best and largest in the market. Price, 25 cents a paper. Raised and sold hy W. E. BARRETT & CO. Providence, Feb. 23, 1867.

# massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS.

233 State Street, and 130 Central Street; Boston

New England Agents for the

NONPARIEL FRENCH GUANO. It is claimed that this Fertillzer 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 hurn-ing or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRIOR \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

# SheepWashTobacco

SCAB, VERMIN AND FOOT should he used by ali Farmers on

SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for ears, and never fails to produce the desired effect when us according to directions.

It will not injure the most delicate animal.

lt will improve the Quality and Quantity of Wooi. It kilis TICKS on Sheep.

It cures SCAB on Sheep It cures all SKIN DISEASES on Animals

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIOHT POUNDS of TOBACCO, as prepared by farmers. Sold hy all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts.

For sale by KENDALL & WHITNEY, Portland, Me.; N.S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H.

CHOICE FLOWER AND GARDEN SEEDS,

NEW STRAWBERRIES, GRAPES, CUBRANTS, ROSES, BULBS, &c.

mail prepaid, packed with great care in guita percha silk, so as to reach any part of the Union in perfect safety, a complete as-sortment of the finest

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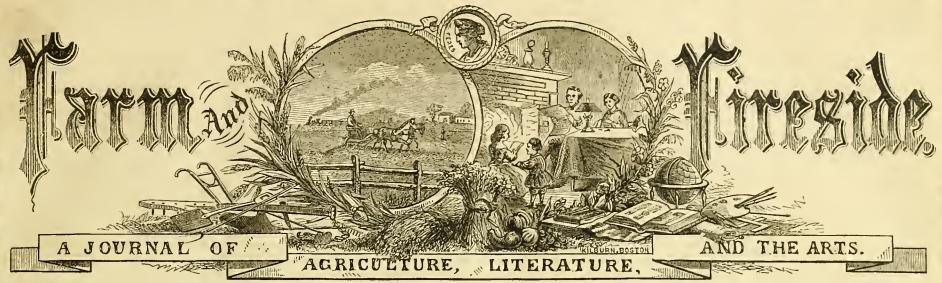
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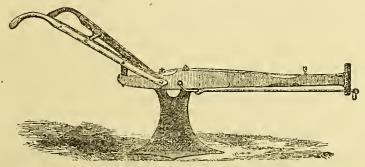
Written for the Farm and Fireside.

### FARM IMPLEMENTS.-ARTICLE SECOND.

Several years ago, when that man whose eccentric philosophy and sound practical science did more towards promoting a better condition of agriculture than any other man who has ever lived among us—when Professor James J. Mapes first proposed the utility of underdraining dry land, as a preventive against drought:—"Why, the man is absolutely mad!" cried the astonished agricultural savans, and all the rabble echoed the cry: "Yes, surely the man is crazed." Subsequent experiments, and practical experience have proved that the public was rather an agricultural ass, than the professor a mad man.

So, too, when the same stout champion of progressive agriculture presented to the public, and proposed the general use of one of his inventions, the

MAPES' SUB-SOIL PLOUGH,

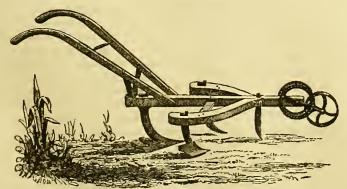


as an implement deserving of consideration, the same appreciating public were ready again with their derogatory remarks. But, by and by, it hegan to be bruited abroad, a fact that none could contradict, that by the under-draining of his hard, high, dry soil, and the use of his sub-soil mole plough, that the public had been so ready to hoot at as utterly ridiculous, Professor James J. Mapes was actually producing at minimum cost, maximum crops—such as no soil anywhere in this country had ever yielded—of grains, fruits and all sorts of vegetables. Then, that many headed thing, public opinion, again acknowledged its error, and confessed judgment in favor of the successful professor; and gradually there came a score of pretenders before the public, each one claiming to be the inventor of the "Subsoil Plough." We happen to know, however, that the idea and invention originated with Professor Mapes; and his name will continue to be associated with the efficient implement as its inventor so long as there remains an English combination of letters by which to make the words—Mapes' and Plough.

The office of this useful implement is to operate beneath, without disturbing the surface, as the mole burrows; lifting from a depth of from twelve to twenty inches, upward and outward from the center; promoting fertility by acration and changing the relative position of particles; performing at the same time the double office of drainer and disintegrator. For working between rows of cabbages, beets, carrots, etc., promoting vigorous growth by loosening the soil underneath, the mole plough is an invaluable implement. We know of a good many instances where pastures having so "run out" that an acre would scarcely graze a single sheep, and meadows so exhausted that half a ton of hay per acre was the yield; the one restored to a luxuriant growth of grass, and the other made to produce two and a half tons of good hay per acre, by simply running the Mapes' Mole Plough twelve inches below the surface, in lines three feet apart, without disturbing the sod, and dressing the surface in the Fall with from five to eight dollars' worth of plaster and super phosphate to the acre.

There are two kinds of the Mapes' Suh-soil Plough, the one represented in the cut, having a cast iron foot, all in one piece, with chilled steel points, the foot so made that it can be readily reversed, bringing a new point into use when the first one becomes worn. The other is of wrought iron and steel, not reversible. Both are simple, strong and durable implements.

KNOX'S HORSE HOE.



An improved agricultural implement, that in its way has contributed largely towards relieving tedious hand culture, and increasing at a cheaper rate almost all root and vegetable

crops that require hoeing, is the horse hoc, in its varieties and modifications, one of the most practically serviceable being the Knox's Horse Hoe, which is so clearly represented in the engraving as to obviate the necessity of any extended description. It may be well, however, to explain that the central scarifier behind is a sort of flat foot, with an angular cutting edge in front; and being so set as to just skim the surface, acts admirably, shaving off weeds and leaving them to perish on the top of the ground. The two small side ploughs can be readily transposed so as to throw the earth either from or towards the rows of vegetables, as may be desirable.

Improved as the Knox's Hoe has been since its first presentation to the public, it might be still further improved and its serviceable capacity increased by simply hinging the side bars, and so arranging the cross bar that the width between the two ploughs can be increased or lessened, to accommodate the space between rows of vegetables, from four feet down to two.

Returning to the harrow question, there is a new invention—not quite a harrow, coming rapidly into favor—a perfectly practical implement, combining the qualities of both the plough and harrow; performing its work admirably, acting not only as a thorough disintegrator and pulverizer of the soil, in its ordinary light draught; but loaded, so as to go through the ground nearly to the frame; it becomes at the same time both plough and harrow; turning a serial breadths of furrows each way from the center, while as it goes through the ground its many mould boards of east iron break up all clods, leaving a broad track of perfectly pulverized soil.

THE SHARE'S COULTER HARROW,



as this admirable implement is called, is not nearly so well represented as it deserves, by the engraver: and it may assist the understanding of those to whom the machine is quite new, to remark that the frame is made upon the extension plan, so that it may be quite closed for convenience of carriage; and that the feet, instead of being mere teeth, as in ordinary harrows, are regular little ploughs, so set that when the implement is fully expanded they turn a series of over-lapping furrows, answering in all instances, where the ground is free from stones, stumps and roots, the purpose of a plough, doing five times the amount of work in the same space of time; and following at light draught, after sown grain, covers the seed ten times more effectually than can be done with any of the ordinary toothed harrows.

May, 1867.

# THE CURRANT.

Or all the small limits that grow in the temperate latitudes, the currant is the most reliable and costs the least labor, and for this very reason it seems to be the least appreciated. The various forms in which the current may be used, its agreeable flavor and healthful qualities, entitle it to higher consideration than it generally receives, and should induce its more universal cultivation. In the first place, being adapted to use when green, it is one of the earliest fruits available. By the time it is half grown, if stewed in a swimming supply of water and swectened to the taste, its mild, fresh tart forms a refreshing relish upon the breakfast or tea table, and is to the taste, what the first notes of the early Spring birds are to the ear-a prophecy of good things to come. Strawberries are delicious, and red English raspberries are luscious, and the full ripe currants, served up raw, with sugar well moistened with water, stepping in just when these step out, are scarcely less grateful to the palate; and with a little care in leaving the later bunches, the luxury may be continued from four to six weeks. And except in cases of organic disease of the stomach and bowels, -when the seeds must be avoided-they are a most healthful fruit, the acid having the effect to counteract bilious and malarious tendencies, and the expressed juice, properly prepared, makes a harmless and refreshing beverage in most cases of sickness.

There is said to be great difference in different kinds of currants, in respect to yield and quality. Undoubtedly there is some difference in varieties. The white and black currant does not seem to yield as well as the red, and some reds seem, at least, to produce better than others. But much of this difference in the red currant, we apprehend, is owing to cultivation. Ground cannot be too rich for the fruit, nor kept too clean. The mode of propagating is well understood by most people. A hill of old currant bushes taken up, may be divided into a half dozen to a dozen settings, which will produce fruit a year or two earlier than cuttings. But when these cannot be obtained, cuttings of last year's spronts,—which from old hills should be mostly removed—cut any time before the buds start, and set early in good mellow, rich ground, will take root. The lower end of the cutting should be cut square with a sharp knife. The top should be cut back to a good stray bud. Dig and set the shoot—not force it into the ground. The latter process is liable to tear the bark from the end and prevent its taking root.—Wisconsin Farmer.



Childhood Days.—We should constantly bear in mind that children are very sensitive, and can easily be made happy. Let their days pass pleasantly away. Bright memories of childhood tend to refine us. Kingsley, the author of "Alton Locke," &c., says: "There is no pleasure that I have experienced like a child's midsummer holiday. The time, I mean, when two or three of us used to go away up the brook, and take our dinners with us, and come home at night tired, dirty, happy, scratched beyond recognition, with a great nosegay, three little trout, and one shoc—the other one having been used as a boat, till it had gone down with all hands, out of soundings. How poor our Derby days, our Greenwich dinners, our evening parties, where there are plenty of nice girls, are after that !—Michigan Journal of Education.





# Farm and Garden.

#### FARMERS' HOMES.

Written for the Farm and Fireside, BY ALEXANDER HYDE, LEE, MASS.

WE know of no country where the homes of the lahoring classes, and especially of the farming community, are equal to those of New England. There is an air of neatness and comfort ahout them which we look for in vain elsewhere. We find hetter land and hetter harns in other countries, but our houses, our homes, as a whole, are superior. This is doubtless the result of a higher civilization, the legitimate fruit of intellectual and moral culture. It may seem vain glorious for us to say so, and we should not veuture on the asscrtion, did not the testimony of foreigners universally strengthen the conviction of our own observations. Lord Morpeth on his visit to America was struck with admiration of the comfortable homes of the farmers of New England. The English system of large landed proprietors farming out their lands to tenants, is not conducive to the cultivation of the home feeling, nor to permanent improvements. The signification of the word farm in Great Britain, is land leased, and a farmer is a mere tcnant of the proprietor. Our New Eugland mode of dividing the land into small tracts, each owned in fee simple hy the occupant, is far preferable, stimulating not only to the hetter cultivation of the soil, and the erection of hetter buildings, hut what is of far higher value, to self respect, and the love of home and country. As far as lordships arc concerned we are far hetter off in this country than the English, for we have a hundred landlords to England's one, and the genius of our institutions favors the idea of every man's heing not only a landlord, but a nohleman. The New Ergland system of small farms is also far prefcrahle to the Southern mode of large plantations. At the South, with a thousand acres of land, we find one mau with many servants, while here, with the same amount of land, we have at least ten men, who hy their intelligence and virtue are worthy of the name. As a consequence we have ten houses at the North to one at the South, and villages, schools and churches in like proportion. The Southerner, as he travels North for the first time, is struck with nothing so much as with the multiplicity of villages, farms and school houses, and whoever has traversed the Potomac and Connecticut valleys, must have contrasted the paucity and poverty of the homes in the former, with their multiplicity and comfort in the latter.

But however much reason we have to congratulate ourselves upon our pleasant and comfortable rural homes, there is a margin for still further improvement. The spacious, painted, tidy farm houses, surrounded hy lawns aud groups of trees, though as we affirm more numerous in New England than in any other land, arc not as numerous as we could wish. We also pass many large, well farmers, hut with a bleak, desolate air, for the want of a few shade trees, or a green velvet turf can make the market value of his house many hundreds more, and add intrinsically to its of snow. worth as a place of ahode, if he does not We cannot cherish the home feeling in our heen accustomed to see it all around our path, the hours, and above all let cheerfulness he a cow can he milked in about two minutes.

contempt, and we thought it must be con- its exterior and interior arrangements, but more temptible, hut we are grateful that we have outlived such childish notions. We wish also to say in passing, that in building our houses, even the most elegant ones, we need not go to the West Indies for mahogany, nor to Florida for yellow pine. One of the best built houses we ever saw, was made entirely from the wood of our native forests. The floors were constructed with alternate narrow hoards of heech and maple, and mcrely oiled, were as handsome as any carpet could make them. Birch, hutternut, chestnut and cak, all contributed their share in the different rooms and needed no paint to make them heautiful. Why should we paint and grain in imitation of different woods, when we can have the original grain of the wood brought out hy oil, in a style no paint can perfectly imitate?

We are glad to notice an improved taste in the matter of rural homes. To the lamented Downing we are greatly indehted for this improvement. Though dead, he yet speaks hy his hooks, and through those whose taste was educated hy his genius. Before Downing's day, however, the glaring red house, ouce so common in the country had very generally given place to the more attractive white one, with its green hlinds, and we now have the still more agreeable, light stone colors, which please the eye and harmonize with nature. Instead of the large, square, stone or hrick chimney, which formerly claimed its third of the hest part of the house, we have more light and graceful structures which answer every purpose, except it he as hallast for the house.

The idea is still too prevalent that it is only the forchanded farmer who can indulge his taste in the construction of his home and its surroundings. There is room for the exercise of taste in huilding a cottage or even a shanty, as well as in the mansion. Some of the humhlest ahodes strike the eye of the traveller with pleasure. There is an indescribable something about the premises that leads us to think that it is the home of intelligence and virtue. It hy the side of the window, a flower plot in hand syringe. the yard, or a few pine trees tastefully disposed, so as to cheat Winter of its gloom, which suggests the idea of a cozy, comfortable

We wish to add only one caution. Do not plant so many trees around the house as to shut out the glorious sunlight. The trees are heautiful and their shade refreshing; hut nothing can compensate for the life-giving influences of the sun. We would like the suu to shiue into every window of our house. Cheerfulness and health depend much on sunshine. Patients in our hospitals recover more readily on the sunny, than on the shady side of the building. There is no trouble in disposing trees in groups, so that we can have sunshine and shade in due proportion. Place the house some distance from the highway, if possible on au eminence, so as to overlook the surrounding country, and by all means have a grass plot, if not a lawn, in front of it. Nothbuilt houses, evidently the homes of thrifty ing is more pleasing to the eye than the green, velvety carpet of grass, with which nature covers and adorns the surface of the earth. around them. We never pass such a house Let this grass plot he so enriched, that the without wishing to stop, and say to the pro- grass will start with the first April showers, prietor, that at the expense of a few dollars and will resist the action of the Autumn frosts, till the mantle of green is exchauged for one

desire to sell it. A few elms and pines, which ichildren too carefully. Every thing that tends two men can transplant in a day, will give a to render home cheerful and pleasant, will also cheerful aspect to many a desolate looking home. dissuade them from the haunts of vice and It is a mistaken idea that we must purchase evil company. Farmers have sometimes failed Norway Spruce, or Scotch Larches with which in this respect, and no wonder the complaint to adorn our grounds. There are no hetter is heard "we can't keep our children at home, ornamental shade trees in the wide world than they will go off nights, and seem disgusted are to he found in our own forests. We do with the old homestead." The fault prohably not sufficiently prize the hlessings that are is not so much with the children as with the near us, and are apt to overlook the beauty of parents. Make the homestead more attractive, the objects to which our eyes are accustomed. Interest the children in adorning it with trees We remember well the time when we saw no and flowers, let the garden and orchard furspecial heauty in the graceful deep-green foli- inish their comforts for the table; if possible,

from childhood, and to hear it spoken of with the presiding genius of the home, not only in especially in the hearts of the parents, and our word for it, the children will always leave the parental roof with regret and return to it with pleasure, and a generation will arise whose love of country will he equaled only hy their love of home.

May, 1867.

### TOBACCO FOR ANIMALS AND PLANTS.

I HAVE found by experience that a strong decoction of tohacco will destroy vermin on either animals or plants. I have used it extensively during many years, for destroying sands of them in tohacco water, made hy hoileffectual cure for the scab, which disease is caused by the working of an insect or mite in to he made at three years old, or in 1870. the skin of the sheep. It is a sovereign remedy for the blue lice on cattle and horses.

Tobacco water will destroy the aphis, or plant louse. Gardeners find their green-house plants need to he submitted to a deluging of this wash oceasionally, to place them in a condition to hecome healthy and vigorous. When applied to fruit trees, of course waste tohacco is used; add one pound of copperas to five gallons of the wash. Plug tohacco contains animal, that has not accustomed itself, hy turity of a tree. slow degrees, to its usc.

Almost every tree or plant is infested with an injurious insect, peculiar to itself, which preys upon its substance, and will, if in sufficient numbers, destroy its vitality. The hop, in sections infested with the hop aphis, is fre- million of eggs are consumed each month in quently either wholly or partially destroyed; that city. The Fifth Avenue Hotel consumes when, hy one or two thorough applications of ahout onc harrel each day, and the Astor House tohacco water, hy means of a force pump or garden engine, as they commence their work, Fulton Market sold 175,000 in ten days. the whole aphis army might he swept away. When the vine is trained low, upon seven feet stakes and twinc, a gardeu engine is unnecessary, as the wash can be applied as effectually, may he a porch over the door, a vinc climbing and with less waste, with a common large

> Tobacco smoke will stupefy any animal, effect upon all which plug tohacco will deeither shape, does not have an immediate fatal the Paris Exposition. effect. However, if that animal would otherwisc be infested with insects, even trichinœous just now distributing foreign flower seeds. in their nature, in the mouth, tohacco will keep them away. Perhaps that is their case.

If a sheep or calf is covered with a ruhher that weigh ninety pounds each. or leathern spread, or thick blanket, and a smoke of tohacco is made under this covering, in half an hour or less, every tick and nit will tion urging the non-shipment of any more be destroyed. Currant worms may he served in the same manner. This is not only an effective remedy against vermin, hut a good use for a most ohnoxious weed. - Cor. Country Gentleman.

Underdraining Land.—Experiments in underdraining 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, equal to a removal of the land from one hundred to one hundred and fifty miles South. This is an important consideration convected with compact, heavy soils, whose retentiveness of water renders them cold and comparatively inert with respect to vegetation. Draining land involves considerable expense, but its increased productiveness soon repays this, hesides assuring increased profits for the future.

A NEW cow-milking appliance has been invented and exhibited in Boston. It is made the hand, draws the milk from all the teats at true of Georgia. Though there is suffering once in a most calf-like manner, making pauses now, the prospect is that the Southern people age of the hemlock. The truth is we had let pictures adorn the walls and music enliven at intervals like a calf swallowing. By its aid will have ahundance of food as soou as the

#### AGRICULTURAL ITEMS.

A State Wool-growers' Association is to he organized in Maine on the occasion of the annual "shearing festival," at Waterville, on the 4th of July.

Donald G. Mitchell-"Ike Marvel"-has gone into husiness as landscape artist, and proposes to prepare designs for the improvement of country property, parks, county seats,

The Germania Beet-sugar Company, at Chatsworth, Ill., have used one sixth of their last year's crop, and made eighty thousand pounds of sugar.

The Wisconsin State Horticultural Society, ticks on sheep and lambs; have dipped thou- at its recent meeting at Madison, offered two premiums on cultivated forest trees-one, of ing coarse damaged, cheap tohacco, or stems one hundred dollars for the hest ten acres, and and waste, in water, and have found it an another of fifty dollars for the hest five acresto he planted the coming season, and the awards

> A correspondent of an exchange thinks he has discovered the cause of smutty corn in the usc of muck in composting manure.

> A cow belonging to Charles M. Marr, of Union, Maine, dropped a hull calf, April 9th, which weighed 120 lbs.

A gentleman near Rochester, N. Y., has a plantation, some thirteen years old, of the veritable "Big Trees" of California. They are growing finely, hut it seems a long time to copperas in quantities sufficient to kill any wait two or three thousand years for the ma-

> The Western farmers are sowing flaxsecd very extensively the present season.

> An ointment made of sulphur and lard is capital for itch in horses.

> The New York Gazette estimates that one ahout four thousand each day. A woman in

Maine has fourteen millious acres of uncut

There are, doubtless, says the Galveston Texas) Civilian and Gazette, more thau 5,000,-000 head of meat cattle in Texas.

Prof. Breunglesser, of Berlin, has, by feedng poultry on certain preparations, succeeded and, used in a sufficient quantity, has a fatal in making hens lay eggs, the shells of which are of any required thickness, and so strongly stroy. Indeed, there seems to he hut one impregnated with iron as to seem as if cast animal—maininalia—upon which tohacco, in from that metal. A number are exhibiting at

The Bucolic Department at Washington is

The cheese factory at . Tully, Onondaga county, N. Y., is making six cheeses a day

Wheat is scarce in Minnesota, and the Governor of the State is ahout issuing a proclamawheat until after harvest.

CROP PROSPECTS FOR 1867.—The New York Commercial publishes upward of two columns of reports on crop prospects, comprising one hundred and ten accounts from different localities, North and South, all of which, with hut four or five exceptions, unite in representing the prospect as heing most encouraging for hoth cereals and fruits. In Illinois, Indiana, Kansas, Tennessee, and especially Missouri, a very large yield of wheat is anticipated. The farmers of these and other States devot large area to this cereal last Autumn. Owing to a backward Spring, less ground than usual will he devoted to tohacco in Kentucky, while the tohacco growers of Connecticut and Massachusetts are gradually turning their attention to other products. The reports from the Southern States are encouraging. Considerable more territory appears to have heen devoted to secd last Fall than is generally supposed. A Chattanooga paper asserts that there will he more wheat harvested in Eastern Tennessee than during any previous year. Prospects of ruhher and worked hy an easy motion of were never hetter in Virginia. The same is harvest is gathered.



CHEERFULNESS AT THE TABLE.—Children in good health, if left to themselves at the table, become, after a few mouthfuls, garrulous and noisy; CHEERFULNESS AT THE TABLE.—Children in good health, it lets to themselves at the table, become, after a few inductions, gain does not long, and if within at all reasonable and hearable hounds, it is better to let them alone; they eat less, while the very exhibitation of spirits quickens the circulation of the vital fluids, and energizes digestion and assimilation. The extremes of society curiously meet in this regard. The tables of the rich of England are models of mirth, wit, and bonhommie; it takes hours to get through a repast, and they live long. If anyhody will look in upon the negroes of a family in Kentucky, while at their meals, they cannot but he impressed with the perfect abandon of jahher and mirth; it seems as if they could talk all day, and they live long.—Hail's Journal of Health.







# THE LESSON OF THE WATER-MILL.

Listen to to the waler-mill Through the live-long day, llow the clicking of its wheel Wears the hours away. Languidly the Autumn wind Stirs the greenwood leaves; From the field the reapers sing, Binding up their sheaves.

And a proverb haunts my mind As a spell is cast—
"The mill cannot grind With the water that is past."

Leaves that once are shed; And the sickle cannot reap Corn once gathered.

And the ruffled stream flows on, Tranquil, deep, and still, Never gliding back again To the water-mill. Truly speaks the proverb old. Wilh a meaning vast-"The mill cannot grind With the water that is past."

Autumn winds revive no more

Take the lesson to thyself, Loving heart, and true Golden years are fleeting by, Youth is passing loo. Learn to make the most of life, Lose no happy day:
Time will never bring thee back Chances thrown away, Leave no lender word unsald. Love while love shall last-"The mill cannot grind With the water that is past."

Work while the daylight shines, Man of strength and will! Never does the streamlet glide Useless by the mill. Walt not till to-morrow's sun Beams upon thy way; Ail that thou can'st call thine own Lives in lip "to-day." Power, and intellect, and health May not always last— "The mill cannol grind
With the water that is past."

Oh, the wasled hours of life Oh, the good that might have been, Losi without a sigh! Love that we might once have saved By a single word; Thoughts conceived, but never penned Perishing unheard.

Take the proverh to thine heart, Take, and hold it fast-The mill cannol grind With the water that is past."

# The Field.

### THE CORN CROP AND ITS CULTIVATION.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

INASMUCH as one of the correspondents of ground for this crop, it would seem as if there could be but little left for me to say, and the after work on the crop, viz: putting in the seed and enlivating.

With regard to plowing for corn, there are carrying out the end I had in view. many who think that by shallow plowing on a tough sod, they can obtain the best crops of corn, or rather can obtain better crops than by deeper plowing; this is one of the many ideas it commences to form the first fruit; and exconnected with practical agriculture which periment will demonstrate that if this point is depend so much upon local circumstanecs, such as depth and quantity of the soil &c., which make it impossible for one correspondent to lay down rules for the government of that while these new roots are being formed, the readers of any one agricultural paper, howa rule for the government of all or any, except those on a similar soil. In a moderately damp season, on a well limed sod, I have raised as good corn by shallow plowing as where this operation was performed to a greater depth; but as I find deep plowing to be most certain to yield me a crop, I always prefer it to a system which I have found precarigus.

Much has been written, and perhaps much and the deeply planted was further behind. more will be written, upon the comparative advantages of drill and hill culture, and yet, nearer a definite decision than it was ten

that theoretically, drilling is best; but that in to do the best will often seem to remain stapractice hill culture will yield me the best re- tionary for from one to two weeks, and then turn both per acre and for labor bestowed on resume their growth. May it not be the case the crop. I say that drilling is theoretically that these better portions are in better order best, because it is evident that it is better to and "good covering" unintentionally induced have three stalks evenly distributed over four deeper planting? feet of the row than to have them all in hills four feet apart. But can we attain this result repaid for a more careful observation of the in practice? I must answer in the negative; laws which govern the growth of our cereals, by using sufficient seed and thinning out the and il not out of place, I may in a future plants myself, I can come reasonably near to number give the result of my observations upit, but if I have (as I often must do) to trust on wheat and oats from their sprouts to a the thinning out to hired help, I will not come growth of five or six inches. very near the mark desired,

There are other items which in practice I have found to be against drilling for corn; it is more difficult to keep free from weeds; requires more hocing and hand weeding; it is more tedious to cut, as I find my men will cut three acres of hill corn in the same time they require to cut two and one quarter of drilled corn; and as a last objection, and one which is most always overlooked in casting up the balance, 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 much good nourishing food as she will eat, for stalks regularly distributed, there is no doubt that drill culture is the best, but for reasons creased demand of a large and growing family above given I have adopted hill culture after a with scanty feed, nor even with any amount trial of botb, under the same or similar circumstances.

Where hill culture in squares is adopted, the covering will usually be done with hoes, and great eare should be taken to cover it evenly and not too deep. Many are of the opinion that it makes but little difference in the general result, whether the corn is one or three inehes deep. Experiment will convince auy one that this idea is a mistaken onc, and hoping that some of my readers will try similar experiments, I will give the result of oue which I have tried for the two past scasons, which, though only tried with eorn, may be applied equally well to wheat, oats, or any plant producing a jointed stem.

In the experiment 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 seed from 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 half an iuch deeper than the preceding one, and the last one was put in six inches deep. The last five rows came through iu nine and one quarter, ten and oue hall; the Farm and Fireside has already given the eleven and three quarters, twelve and one principal items in the preparation of the quarter and thirteen days, respectively. That planted six inches deep came up very pale and unhealthy, and after lingering three days, hence I would draw the reader's attention to idied. Many will no doubt think that the last three or four were greatly exaggerated eases; so they were, but they were important in

Careful examination will show as that after the point of the sprout has reached a distance of one and five-eighth iuches from the grain, more than half an inch below the settled surface, the stalk will send out a new set of roots from it; the same experiment will demonstrate which will generally be about the time the first ever small its circulation. Hence, when I say two leaves are fairly formed, the plant, as far that for all crops I prefer deep plowing, I do as perceptible growth is concerned, will renot wish to be understood as laying it down as main stationary for from one week to ten days, when it will again grow as usual, but will seldom, 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 recovered, the adjoining corn, planted but two inches deep, was two feet high, which difference not only was preserved, but was materially increased,

My experience is, that upon no account should corn be covered more than from one judging from recent articles, the matter is no inch and a half to two inches deep, and of the other, and make them fast, as for leading or previous Winter; but a greater proportion is two, I would prefer the former depth. Many have complained that after coming up properly, tween the inner horns, and turn them into a probably be less.

From experience and theory, I am satisfied those portions of the field which were expected field free from trees. Let them run and pull

I am well satisfied that we would be amply

# May, 1867.

### BREEDING AND FEEDING PIGS.

The Stock-Yard.

BY THOMAS WOOD, CHESTER CO., PENN,

It is well to increase the quantity and qualty of a sow's feed a week or so before pigging, as 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 as no sow ean furnish milk cuougb for the incan she furnish a sufficiency of nourishment must be supplied with milk or other food, as soon as they will cat. A sow should never be allowed to get poor while suckling. Feeding pigs plentifully whilst young, that they may grow up and be properly developed—will pay twenty per ceut. better than at an advanced

I generally allow my pigs to remain with the sow till two months old, and I think it best to leave one or two on a few days after the others are taken off, to relieve the sow. Care should be taken to have each sow alone before pigging that she may be recouciled to her quarters, and become perfectly quiet and contented. If cold weather, a dry warm shelter, is indispensable; if warm weather, they do very well at liberty in au open lot or field, with but little bedding; when much litter is allowed, the pigs arc most likely to get smothered or overlaid, particularly if a fat,

Hogs, as a general thing, will grow, thrive and fatten well confined, in not too close pens, all their days, if the sty is kept clean and well ventilated, with occasional throwing to them a little charcoal, ashes, old lime, rotten wood, mortar, soda or l'resh earth. Such things they secm to need and relisb very much; they help to keep their stomachs in tone. But pigs very much enjoy a range of a lot or pasture; it tends to their health and comfort. I have of piric acid in 250 parts of water is added often had hogs to do well on pasture from the middle of May till October, with occasionally a little salt and no feed; but I believe some feed with the pasture during the Summer will pay well, as it will aid in their growth.

For the last eight or ten years I have cooked feed for my hogs. I have a steamer fixed up and can boil and make one or two hogsheads of mush at a time. I cook food as a matter of economy, believing about one fourth the grain is saved thereby. I generally feed of corn two parts and oats one part, ground together, and feed considerably of whole corn, particularly in the Fall, before it gets hard and dry. Feed when cooked, should be allowed to get nearly cold before being given to the pigs. In short let us have the best breeds, the best breeding, and the best feeding, to insure a good stock of any kind.

HOW TO BREAK CATTLE TO LEAD.-Take two animals of about equal size and strength and tie them together with a strong rope by placing one end around the horns of one animal and the other end around the horns of the logs out is somewhat larger than during the tying up, leaving three or four feet of rope be- on the smaller streams, and the drive will

and haul till they are tired of it, and will walk side by side and feed together. Then take off the rope and they will ever after lead with the docility of a child, even though the first occasion may be years afterwards. It is much casier than for a man to be jerked around all day by a wild heifer or steer, and more effectual. We have tried it and know. - Manchester (N. H.) Mirror.

CORN AND PORK .- Twelve and one-half bushels of corn given to a hog will make him one hundred pounds net larger; hence, eorn selling at fifty cents per bushel, and pork at \$6.25 just pays. At \$6.50 or \$7.06 per hundred you get from fifty-two to fifty-six eents per bushel for your corn.

Another point in favor of feeding. If you live ten or fifteen miles from your market, the hauling of two, three, or five hundred bushels of corn costs you considerably more than it does when fed to your hogs. The mannre will pay for feeding. If properly eared for, offal will pay you for the killing. It is better to feed than sell both hogs and corn.

STOOK-FEEDING-RAW AND COOKED FOOD. -The question as to which is the most profitable for feeding stock, raw or cooked food, still engages the attention of the agricultural press. The majority of voices are in favor of the cooking process. A Kentucky farmer fed raw for six to ten pigs. Therefore, if you wish corn for a given time to his hogs-weighing the pigs to become properly developed, they them at the time of commencing the experiment, and again when a change was made to cooked food. The result was five and a half to seventeen and a half—a large balance in favor of cooked food after deducting the expense of preparing the latter. Even one-half of the above difference would justify the feeding of the cooked material in preference to that in a

> The distance at which trees should be set is a matter upon which people often make mistakes. When transplanted into an orchard the trees look small, and it seems like a waste of ground to place them twenty-five or thirty fect apart. But in a few years, if the trees do well, the thing looks differently. We have seen orchards where the condition of the trees would have been improved by removing every other tree. It is necessary to the full health and vigor of the tree, that when it has attained its full size, the rays of the sun may have free entrance to every part of the top, Apple trees, on strong, rich soil, should not be set less than twenty-five feet apart. This will give sixty-nine trees to the acrc.

> TEST FOR STARCH OR GRAPE SUGARS.—Piric acid, one of the derivatives of phenol, formed by the action of nitric acid on phenic acid, is of a yellow color. A few drops of a solution to a solution of this kind of sugar (glucose) containing a little caustic soda, and heated to 90°. The mixture when boiled assumes a blood-red color, a result from the formation of picramic acid. A solution of cane sugar (sucrose), added to a solution of pieric acid. does not produce this change of color.

> If a piece of copper be dissolved in ammonia, a solvent will be obtained, not only for lignine, the most important principle of all woody fiber—such as cotton, flax, paper, &c., but also for substances derived from the animal kingdom, such as wool and silk. By the solution of any of these an excellent cement and water proof is said to be formed; and what is equally important, if cotton fabrics be saturated with the solution of wool, they will be enabled to take the dyes-such as lac dye and cochineal-hitherto suited to woolen goods

The lumber season has been a good one on the Penobscot waters, notwithstanding the lateness of commencement. The quantity of



DEPTHS OF THE SEA.—The soundings for the transatlantic cable have enabled comparisons to be made of the different depths of the sea. Generally speaking, they are not of any great depth in the neighborhood of continents; thus the Baltic, between Germany and Sweden, is only 120 feet deep; and the Adriatic, between Venice and Trieste, 130 feet. The greatest depth of the channel between France and England, does not exceed 300 The seas to the sonth of Enrope are much deeper feet, while a little more to the east it is 3000. Dr. feet, whilst to the southwest of Ireland, where the sea is open, the depth is more than 2000 feet. The seas to the south of Enrope are much depth than those in the interior. In the narrowest part of the Straits of Gibraltar the depth is only 3000 feet, while a little more to the east it is 3000. Young estimates the average depth of the Atlantic at 25,000 feet, and of the Pacific at 20,000.







# Grape Eulture.

"AS IN THE PAST SO IN THE FUTURE."\*

Written for the Farm and Fireside, BY CRITICUS.

Our new American grape vines have one advocate who is disinterested; one whose hopes lead him to believe we shall find fruit 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, 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 earlier named varieties, as they then conducted themselves; but their behavior has changed for the worse; they have become sadly "demoralized." 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 promised.

We, the American people, do not appear to 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 favored 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 peculiarities of the wine climates of Europe, and our country, and wherein they differed. How many years passed in which disappointment succeeded disappointment, before the enthusiastic projectors would believe that the climate was unfavorable, that the extent of temperature, the suddeu changes in Summer, were destructive and could never be overcome! How many then entered as wildly into growing the native grape North, South, East and West, regardless of the differences of climate, the heights or exposure, soil or circumstances; planted Catawbas and Isabellas, Powells, Elsinboroughs, Alexanders, &e., to reapwhat!-Wine by the pipe-to sit under their own vines, where none could make them afraid? No, verily; -but disappointed hopes and empty cellars and pockets. The climate tought against them, and they again succumbed.

Nothing daunted, comes a new generationclimate. We will find some hardier kinds, zinc with a lead pencil. This writing, alripening in shorter seasons, more enduring of though it could be rubbed off when first made, extremes, less inclined to mildew, less dis- grew more distinct and durable with age, and posed to rot. We will grow our own grapes and drink our own wine; we will supply the by scraping. foreign market; we can do it and we will! Has it not been prophesied that "we shall export

the track. You have not made a reconnoisance of the field of operations. You have judged of the Summer by one swallow; you have brought home but one brick as a specimen of the city you have visited! What guarantee bad we that success in one or two by our many sacrifices; alas! unwilling sacrifices, 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 content ourselves with a few trained beside our dwelling, or essay to raise a few grapes on trellises capped with horizontal sbelters to protect them from the frost that so often falls 'from the keen, cold heaven," on our tender vines, even in mid Summer; or we shall seek some region favored by Heaven with moist, warm air, and tempered 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 the causes of our ill success, and while these 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 circumstances which prevent the Summer extremes, so destructive to our vines, 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 esteemed a blessing than otherwise. Observations made in this and other countries, has taught us that no advantage will result from the general use even of light wines by our citizens. The specious argument that their temperate use will stay the evils of intoxication, is about as absurd as the proposal to prevent the development of petty lareeny! As virtue will endure no taint, and every evil grows apace by its own inherent tendencies, so temperance will bear no trifling 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 greater gainers as we have loss thereof. The consolation may be said, by some, to savor itself of sour grapes!

\*See Farm and Fireside, page 82 - "Open Air Grape Cul-

May, 1867.

Two Large Trout.-While in Messrs. Andrew 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 disinclined 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 been previously said that their impressions on this subject are erronious. One weighed seven and three-fourth pounds and the other eight and one fourth pounds .- Field, Turf and

New Mode of Labeling Trees.-At a reeent meeting of the Society of Arts (Institute of Technology) Boston, the Hon. M. P. Wilder made a statement relative to a n method of labeling trees, accidentally diswhich were the most durable in character, an after several years could not be erased except

A New York naturalist protests against our poetry and wine," and are not the name of naturalizing the English sparrow in this counprophet and poet still the same-must not the try. In Europe it is regarded as a nuisance, prophecy be fulfilled-and are not we the and it has been estimated to destroy ten milmen to do it? Enthusiast, again you are off lion bushels of wheat in France annually.

# The Haultry-Yard.

### DOMESTIC POULTRY.

THE season for commencing operations in the poultry yard is fairly upon us, and we proyears would ensure us continued favors, or pose to treat generally on the subject of the that Bacchus had at length been propitiated 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 of the management of house raised stock, but of at all times, doing but little damage however. the farm yard and free roving. First of all The number kept was three. Two of them have we yet sought fruit more than three years? comes the subject of feed. Poultry should Sha:l we re-plant our vines, for the first planted never be over fed; the habit of throwing inwill know no revival? No, say we, we shall discriminately all kinds of garbage in large quantities, where a limited number of fowls thirty, the other, one hundred and fifty eggs; are kept, is highly injurious. In a large farm the small one laid one hundred and ninety 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, is excellent. Then some chopped cabbage or mashed boiled potatoes, with a little corn and year. As near as I can judge (without actual wheat screenings, or other grain, and a few experiment) it will cost about \$1,25 a year, pounded bones, lime or oyster shells, with where one has to buy all he gives them. If which to cover the eggs, will complete the diet. kept on a farm, it would be natural to suppose Feed regularly every morning, and always in they could be kept much cheaper; or at least the same place. The hens will be found in if allowed to run at large a part of the season. waiting for their breakfast, and almost before they have finished will run off to the nests for breed to keep, there appears to be a good many

Where large numbers of poultry are kept the ground must often be renewed to prevent it getting tainted; this requires labor and materials. 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 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 brigauds and highwaymen by weak training in 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 leave their roost. Cleanliness is one of the chief necessities to poultry. Clean sand in which they can dust themselves is absolutely neccessary, and should be left within range of their quarters.

> Ashes for them to dust in should also take the place of the dry earth in Summer, and they should have meat in some form, the most available of which is the pressed cakes or greaves from the tallow manufacturers.

> Fowls should always have their liberty at day break, and 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 houses or under cover; the birds will choose their perches, and should not be driven in, or compelled to occupy certain quarters, never forgetting that a miue of wealth on a small scale lies iu the manure and sweepings of the hen house and under roosting sheds.—Turf, Field and Farm.

# WILL IT PAY TO KEEP HENS?

C. Steward contributes the following to the maine rarmer:

A lady friend kept, in the year 1864, forty covered by him. In the use of zinc labels, hens, realizing from the sales of eggs and poultry the sum of \$150; in the year follow-Young America will solve the problem. Our indelible ink was used, but not having the ink ing, 1865, she kept fifty hens, the sales of eggs fathers did not adapt their varieties to the at hand on one occasion, he wrote upon the and poultry amounting to \$155. The sale of eggs alone amounted to \$125. Again, in the and poultry in a small family. I think there dering chick that came in her way.

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 I really believe a good flock of hens can be made to do even 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 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 three. The time included was one year. These biddies had not a comfortable place to winter in, and therefore did not lay much during the winter months. It would be well perhaps to speak of the cost of keeping a hen'one

In regard to the different breeds, or the best 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 fifteen years. The breed I now keep I greatly prefer to any I have had heretofore, and will mention some of their good qualities, They are a hardy breed, and are extra layers. Early hatched pullets will, with good care, lay early in the fall, 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 species. I speak of the Game fowls. I shall keep no others unless I find a better breed, which is doubtful.

An Intelligent Hen.—The Washington (Ga.) Gazette has the following:

Danbury, March 28.-Mr. Editor: I warrant that I have got the most intelligent 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 begin 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, Betsy," 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 neice 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 is

JAS. W. BARKSDALE.

A CORRESPONDENT of the Waukesha Freeyear 1866, from fifty-seven hens she sold \$150 man tells of a hen belonging to him which has worth of eggs and poultry. The number of a mania for adopting the chickens of her neighchickens raised was not over forty in each bors, and in this way succeeded last Summer year, and I think not so many, with the ex- in bringing under her care and rearing sixteen ception of one year. These hens ran at large chickens. Her course was, upon seeing a most of the year, and the garden connected strange chicken, to run to it, brood it, then with the house was not materially damaged, pet it with the daintiest morsels she could find; although but slightly protected. The account in this way she seldom failed to win and fasten given above did not include the use of eggs upon herself the affections of any little wan-



Grafting Rhododendrons.—The best time to graft rhododendrons is towards the cnd of August, or early in September, when the shoots have ripened. The shoots of stock and seion should be of equal thickness, or as nearly so as possible. It is best performed by what is known as side-grafting,—putting in the grafts near the soil. The head of the stock should be cut off six inches above the union, leaving some leaves on it. To this the graft may be tied.—After grafting, place and keep in a close cold frame until the union is complete, which will be the case in six or eight weeks. Then give air and hardeu off. In Spring, the part of the stock above the graft may be cut off neatly immediately above the point of union. The grafting may be done in Spring, just at the time growth commences, but success is not so certain in Spring as late in the Summer.







# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MAY 11, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; with out it we could not have manufactures, and should not have com-merce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTEE.

#### TERRITORIAL ACQUISITIONS.

Twenty odd years ago we had a Congress of radicals who thought our territorial houndaries were rather limited, especially in the direction of sundown. They wanted an addition to our vegetable and animal kingdom; they desired more of the atmosphere that surrounds the globe in the North-west; they demanded the sun to shine an hour or so longer, each day, on this great Republic. Those manifest destiny gentlemen had no idea of changing tbe physical geography of this continent; they simply asked, in the settlement of the Northwestern houndary question, that we should have possession of a portion of British Columhia, Extending to Fifty-four-forty North latitude. If this demand was not acquiesced in, tbey said fight-in brief, their political war-cry was "Fifty-four-forty, or fight."

The recent purchase of the Russian possessions, running down on the Pacific coast, from somewhere in the vicinity of the North pole to fifty-four-forty North latitude-a territory large enough for an empire—with a population of nearly a hundred thousand Russians, Indians and Esquimaux, and a country producing harley, rye and various esculents, timher, minerals and valuable furred animals, besides salmon, herring, halibut and codfish in inexhaustible quantities, is not to he sneezed at, even if a portion lies within the Arctic zone. This acquisition will gratify "manifest destiny" men in all parts of the nation; and the abanment of this continent by Russia, simultaneously with the withdrawal of France from Mexico, makes us helieve the area of freedom will be still further extended until

'The whole boundless continent is ours ' It will not he many years before Great Britain will sell, or be forced to relinquish to us, her possessions north of the Columbia river; then we shall have all the coast line from the Northern boundary of Mexico to Behring Straits-an immense fishing ground for Brother Jonathan, whether he throws his fly for trout aud salmon or harpoons whales, seals or scaserpents. The Canadas will also drop into our hands in due time, like ripe fruit in mid Autumn. After that we must swallow Mexicoa cathartic that will purge us a little, but will not harm us in the least. Laugh 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 at what we have done, in the way of annexation, since 1787-the period when the Constitution (a somewhat forgotten code!) was adopted.

In 1803 we purchased Louisiana and the great Mississippi valley, of France, for \$15,000,-000. Napoleon I. was short of cash at that time, and so sold his American possessions, and with the fifteen millions equipped armies that overran Europe and won the Star of Austerlitz. (Tbat was his business). In 1819, Spain felt poor and sold us Florida for \$3,000,and is now; hut heing the land of song and this entire continent.

The Farm and Fireside in Monthly Parts. Hereafter the FARM AND FIRESIDE can be had in Monthly

Parts, in neat covers, at twenty-five cents each. Those for January, February, March and April are now ready. For sale by all newsmen.

#### CONTRIBUTIONS SOLICITED.

THE FARM AND FIRESIDE is rapidly winning its way to appreciation and success. In typographical appearance and press-work we aim those respects; while the original and selected articles are brought under a careful surveillance as regards their reliability, seasonableness and merit.

We feel grateful for the manner in which our friends have responded to our call for such origiual coutributions as come within the scope of our journal; yet we very much desire to increase the resources and influence of the same, in this respect. In view of this we solicit original contributions from all quarters. Surely every farmer has had something taught him by experience that would be acceptable to us and useful to his fellow lahorers.

The kind of articles we prefer above all otbers, are those that are sbort, succinct, and to the point; embodying facts, detailing observais 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 contributions. Do not be deterred from doing so hy a fear that you may betray a want of scholarship. We will with pleasure give the articles an acceptable and readable shape. We hope our agricultural friends will respond to this appeal; hy so doing they will afford us much pleasure, eultivate their powers of composition, and beuefit the husy, practical world in which they live

#### TRIAL OF AGRICULTURAL IMPLEMENTS.

An exhibition and trial of farm implements commenced on the 7th of May, at Utica, New York. This exhibition is under the auspices of the New York State Agricultural Society. What the result will be, if the trial is honest and impartial, will be seen in the improved agriculture of that State. If improved ploughs, harrows, seed-drills, mowing-machines, reapers and kindred inventious will do more work in a given time, and do it better than the old fashioned implements, then millions of dollars will he saved to the country. Similar exhibitions, or trials of agricultural implements, should he held in every State.

The following are the premiums offered at the New York trial for plows.

A gold medal is offcred 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. 3d. A sod plow for sandy soils and light loams. 4th. A plow for stubble land, which will cut a furrow twelve inches deep, with three horses, which will raise the lowest soil to the surface 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 its large gold medal. 5th. For a Michigan sod and trench plow. 6th. A subsoil plow, in connection with an ordinary plow. 7th. A ditch plow for opening drains. 8th. A machine for excavating ditches for under-draining. 9th, A steel plow for alluvial and uncturous lands. 10th. A swing or side hill plow.

Guinea Fowls.—A wise-acre contributes an article to the Country Gentleman on the profit, 000. It was the tail end of this continent then, habits, &c., of the Guinea fowl. Among other crude things, he says "Guineas will never be romance, where Narvarz, Ponce de Leon and cross and pugnacious if the eggs are hatched De Soto sought the fountain of youth, we under the Guinea hen. If the eggs are set unbought it and got a real hargain. In 1845 we der a common hen the chicks will always he annexed Texas, a territory large enough for cross to other fowls, &c." This is first-class half a dozen States; and in 1854 we purchased nonsense, as every ornithologist or fowl breed-Arizona from Mexico. So we go on, making cr knows. We like Guinea fowls, but they are territorial acquisitions one of the fundamental pugnacious from nature, and will quarrel with principles of Republicanism. We cannot stop all poultry of timid character. If a common annexing contiguous powers, even if we don't hen could hatch chickens from duck's eggs, or require them or want them. Destiny says we chicks from brick-bats, we might believe the must go on and possess, people and develop contributor of the Country Gentleman-not he-

> HEMP may be sown at any time this month. Use 4 to 6 pecks of heavy, hright seed, for hroad-cast sowing. Be thorough in keeping the grass down.

#### ORCHARD CULTURE.

The orchard should be just as much a subject for cultivation as any other part of the farm. By cultivating an orchard, we do not to make it faultless, and can be justly proud in mean the growing of crops iu it; but on the contrary, the giving up of the soil exclusively to the trees, and yearly top-dressing it with muck, leaf-mold, and carbonaceous matter generally.

> To select a favorable site, to thoroughly prepare the soil, to purchase none but the best of trees, to plant them in the most careful and approved manner, together with pruning, training and low-branching, are necessary requisites; but the subsequent enriching of the soil at intervals must not be neglected. Fruit trees 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 orchard as it is necessary in the soil of the field.

In our estimation, the raising of field crops in the orchard is an absurb and injurious fallations, narrating experiences, &c. Our journal ey. No man likes to do double physical duty; and to attempt to make a given acre yield a crop of apples and a crop of corn or wheat, in the same year, whilst uot directly in opposition to the law in physics that two things cannot 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 we are afraid the weeds 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 the direction of the eliminative power. As well might we cram our heads with the "learned lumber of pedantry" by taking out our hrains to make room for it.

The trees are barked by 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 bigher;" aud when the trunks of apple trees are high and exposed to the scorching rays of the sun, the sap hecomes heated and the fruit sickly. Apple trees should not be trained high -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 Baldwinds and Newton Pippins are both small and dwarfish, and you wonder why so many are drooping and dropping.

We know that this matter of cropping orchards is a mooted question; that while grain crops are generally acknowledged to be injurious, many consider root crops to he beneficial. Prohably the reason the latter are beneficial, is because they require so much manure to make them profitable. We would like to hear from some of our correspondents on this question, as our remarks have been made with that view as much as any other.

PROTECTION FOR CHERRIES.—A distinguished fruit grower informs us how he keeps cherryeating birds from his trees. He has a number large limbs of his cherry trees. These boxes ment in this issue of the Farm and Fireside. are occupied, every season, by the little wrens. which are remarkably pugnacious birds. No sooner does the cherry-bird, rohin or other fruit-pilferer, come to the trees, than the wren offers them battle; and if not victorious, succced in driving off the thieves.

This protection, by the wren, may answer in some sections of the Middle States, where it breeds. But in the New Eugland States they are not numerous enough to stand guard over the cherry orchards. Bells, and scarc-crows, offer but slight protection from the hold, impertinent fruit brigands.

THE Strikes in England have now extended States. Every subscriber for the FARM AND FIRESIDE may to the farm hands, who are prohably the worst paid lahorers in Great Britain.

SALE OF ALDERNEYS AND AVESIMES. -At the sale of James H. Wall, Jr., at Clappville, Mass., last week, the following prices were oh. tained for Alderney and Ayrshire cattle:-"Jenny" and calf, six years old, \$390, to Moses Ellis, Framingham; "Fannie," six years old, \$210, to Mr. Ellis; "Beauty," three years old, \$225, to John Brooks, Princeton. The above were imported by R. S. Denny. 'Nina," two years old, \$85, and "Beauty, 2d," fifteen months old, \$90, to J. D. Wheeler, Grafton; "Beauty," four years old, \$105, and "Jennie, 2d," eleven months old, \$75, to Mr. Ellis; "Fannie 2d," nine months old, \$36, to D. J. Baker. Ayrshires: "Princess" and calf, five years old, \$142,50, to T. W. Wellington; "Grace," five years old, \$147,50, to B. F. Curtis, Auburn; "Countess," six years old, \$110, to G. M. Hunt.

Speaking of grape matters on Lake Eric Islands, W. E. Sibley says in Rural New Yorker, that the Winter has been quite favorable, and grape vines were never in hetter condition at this season. Peaches, also, are all right, and a fruitful year is generally expected.

COLORED FRUIT PLATES.—We return thanks to D. M. Dewey, Rochester, New York, for a variety of heautifully executed lithographs of fruit. That of the Vicar of Winkfield pear, and the Diana Hamhurg grape, are exceedingly

# Our Book Table.

THE POULTRY BOOK: comprising the breeding and management of profitable and ornamental poultry; their qualities and characteristics; by W. B. TEGETMEIER, F. Z. S., with colored illustrations by Harrison Weir, and numerous engravings on wood. London and New York: George Routledge & Sons.

The raising of poultry, as a hranch of rural economy, has been carried to great perfection in Europe. Crowned heads, and gentlemen of great wealth, have for many years devoted much attention to the various kiuds of domestic fowls; keeping the distinctive breeds pure; getting up national poultry exhibitions; aseertaining which kiuds are the most profitable as layers, or for market; and not overlooking the ornamental varieties which add nuch to the attractiveuess of rural homes.

The volume before us is unquestionably the most magnificent hook on poultry ever published. It is a royal 8mo volume, splendidly printed and hound, with life-like illustrations, (oil colors), hy Harrison Weir, and is edited by Tegetmeier, poultry editor of "The Field," published in London. An examination of the work fully satisfies us that the Editor has accomplished a "labor of love;" has produced an exhaustive treatise on gallinaceous hirds; ample in its details and of the most practical character. In addition to this, many eminent poultry producers of England have contributed valuable articles; together with a treatise on the various diseases of poultry. Although we are indebted to England for this valuable book, it is none the less applicable 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 of small hird-boxes hung on the trunks or \$9,-well worth the money. See advertise-

> GREAT EXPECTATIONS: By Charles Dickens, with twenty-seven full page illustrations from original designs by John McLenan. Philadelphia: T. B. Peterson & Brothers.

This is the fourth volume of the author's American edition, and reflects credit on the publishers, who generously paid Mr. Dickens for advauce proof shects of his works. Persons desiring a neat, handsome collection of Boz, should purchase this edition. Price \$1.25.

# COMMISSION TO LOCAL AGENTS.

WE wish to employ a local ngent in every town in the United act as local agent for the same. For every yearly subscribe the commission is fifty cents, or twenty-five cents for each half



Respect for Money. -It may be a most immoral and unpoetical sentiment, but those are always the best people who have a carefulness, and a wise respect for money. Not per se—not the mere having it or amassing it, but the prudent using of it—making it our servant and not our master. As a test of character, perhaps, £. s. d. is one of the sharpest. A man who is indifferent and inaccurate in money matters, will be rarely found accurate in other matters. He may have large benevolence externally; you will see him throw half a crown to a beggar, and subscribe to every charity list in the Times; but if he forgets to pay you that five shillings he horrowed for cab hire, you may he quite sure that the beggar's half crown and the twenty pounds in the printed subscription will have to come out of somebody else's pocket instead of his own.—Mrs. Craiq.





#### THE BROOK.

BY GEORGE S. BURLEIGH.

The brooklet dancing through the glen, Has blessings for the sons of men Of her the poet learns to sing His tenderest canzonetta; Here maidens come such love to bring As makes all love its dehtor.

The dusty lad in tattered frock, The rough and sturdy farmer, The traveler leaning on the rock, Have here an equal charmer. The frolk boys from school and mill, The gay and rosy misses, Drink health and pleasure from the rill In all her rippled kisses.

The violet on the mossy brink. The bluebirds in the hazels, Repay with song and sweets the drink That stings not though it dazzles And oh! forgiving every slight Of wretched souls who leave her, She bathes away the stains of night And cools their hurning fever.

The whiteness of the simple soul She welcomes and enhance And shames the votaries of the bowl With pure, inviting glances Ho! fill your heakers from the hrook-The white urn of the Naiads; And life shall take as fresh a look
As to the turf their play adds.

# Fireside Tale.

#### THE BLIND SINGER OF THE CATHEDRAL.

BY F. H. STAUFFER.

A STRANGER stood within the cathedral at Rheims. He was leaning against a pillar, per- hlind girl's, that rested against the easel, told fectly motionless except occasionally drawing a glove, which he held in one hand, idly through the other. His attitude was expressive of gracefulness, and his face was calculated to make one turn and look at it again, even in casually meeting him on the street. It was a youthful face, and to a certain degree, childish; and yet there was something ahout 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 eyes as always speak the truth, 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 heyond the small diamond ring that shone upon rant blind girl-a very child!" the ungloved hand,

His eye was drinking in the scene around him. The paintings, the work of the famous artists of the olden time-the massive doric pillars, the riehly frescoed eeiling, the tesselatcd aisles, the narrow pews of polished walnut, the pulpit of porphyry, ornamented with Latin inscriptions and eherub faces-the windows of stained glass, the somber organ with its high fluted front; as he calmly surveyed place, a beautiful placidness rested upon his features, and more than one girlish face was turned at furtive moments towards his.

The ceremony was drawing to a close, and through the church. It was a master hand that touched the keys. Music seemed to aslow, soft, flute-like—and ever and anon changprovised indrotnetories seemed more enchant- sake alone." ing than either.

The playing was snperb—and yet it was not that which made him hend his head more attentively, and a hrighter light to irradiate his driver was unstrapping the trunks from the that was touching his heart with its exquisite walk. Ernest was standing on the verandah, sweetness. He seemed to held his breath lest with his beautiful wife leaning on his arm. the smallest intonation should be lost. And a clear, distinct, melodious voice it was. Oth- those words with a willing heart to any bride ers had listened to its witchery, and had felt my dear brother would hring to his home.' their worship touched by a better inspiration.

pathos, and when it changed to a rigidness, it could see your face and look into your eyes!" in imitation of oak. The stables are hand-crease the amount.

was the assurance, the positiveness of faith.

among the array of heauty there, his keen eye if that friendship had heen a friendship of ahout them to my eyc. Now we come to the detected the singer. Her face was upturned, many years. Ella's face was heautiful, hut of trotters, and at the head of them stands the her eyes were closed, and the light from the 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 father's arm, and her eyes were still elosed.

She was blind!

The young man startled at first wheu this another glance at that sweet face, his heart went out toward her with yet a warmer glow.

It was an oval face, and spiritually fair the skin was almost transparent, and the velvet lips were tinged with vermillion. Her form was well developed, every motion expressive of grace, and the beauty of her attire consisted in its simplicity alone; almost any other fabric or arrangement would have been at antagonism with that trusting, child-like face. Her dress was of plain calico, unadorned by jewelry, while a shawl of a sort of nentral tint was 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 confidingly around his lightened with the new life that had been more than common meaning. horn in her soul. They were in an artist's studio, and a facc, a very prototype of the the story of hours of such communions.

"Miriam, my beloved!" spoke the young man, "you must be my wife. You must come to my home."

"And my father, Ernest? O! I cannot hand.

"He shall come too. My home shall be your home and his.'

"Ernest, I know I love you. I cannot see your face; I cannot see your eye kindle when you speak; but I can hear your voice and feel your warm caress. There is, too, a spiritual essence ahout you that draws me toward you, and that tells my instinct, and assures my reason, that you are all that is noble and true. But, think of it, Ernest! I—hut a poor, igno-

"For this do I love you ahove anght else. You are not ignorant. I have sat at your feet for hours, a quiet, listening pupil. You have revealed to me how beantiful I can make my life. You have turned my aspirations toward all that is noble and grand. Floating idly on the sea of life, a reckless, aimless voyager, did you not come to me and direct me into the beaten channel-becoming to me compass, chart and guide? Yon are hlind! Should I these, and felt the holy presence that filled the not love you all the more for that? Let my eyes be your eyes. I will he sight unto you, the same as you have been spiritual sight unto

"But your family, Ernest. What will your the deep, solemn tones of the organ floated sister say when you hring home a fragile, blind, portionless girl?"

"My sister Ella is a woman, Miriam-kind, sume personification in that dim old room. loving, appreciating-subject to delicious trans-Now the tones were loud, reverberating—then ports, happy in her organism, and a dreamer of beautiful dreams. Had you not one reiug from allegro to andance, in which the im- deeming quality, she would love you for my

"Ella, this is my wife!"

This was all Ernest Harcourt said. The

"Welcome home, my sister. I can speak

"Thank you, thank you, Ella; and hefore It rose and fell in a sort of easy voluptuous- many days you shall say it for my sake. O! it contains. It is finished off inside principally Pensacola, Fla., is worth 3,000,000 per annum, ness. When it trembled, it was the tremor of how kind and sweet your voice is! I wish I with oak, though some of the wood is grained and a new railway connection promises to in-

It was a touching sight to see those two some, commodious, well lighted and ventilated; The young man looked up at the choir, and women weeping in each other's arms, just as in fact there is nothing that could be improved a different style from Miriam's. It was full of stallion Dan Rice, than whom a nobler looking window overhead seemed to change into a freshness, and verging as close upon boldness horse never stood on lour feet. He is a large as any face dare verge and yet be thoroughly hrown horse, very handsome and very fast, as feminine. It was an intellectual face, classic and prominent in its outline, with tempting lips, hlack eyes, and hair dark and luxuriant, a vexation to the white fingers that daily essayed to bring it into a semblance of staidness.

And Ella did learn to love that sweet girl for fact dawned upon his mind, hut as he took herself alone. She was so kind, so beautiful, so trusting! Ella grew better from her companionship; 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 choice, hut that was nothing to him. He loved his wife, and the warm, gushing manner in which she reciprocated it, was more than life to him.

> Often, in the still Summer evenings, her voice would steal out on the air, 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 verandah, while the stage described a half circle in front 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 neck, while the face upturned to his was her greeting, and her eyes twinkled with a

"How is Miriam?" he asked.

"Quite well. She is waiting for you in the parlor."

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 hlind wife?'

"Very glad to see her dear husband!"

He started at the significance of the wordshut 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 freshness come to them after years of dull, heavy darkness.

"Miriam, Miriam, how is this?"

Ernest knelt at her feet; he took her joyfully in his arms and covered her cheeks and lips with kisses,

"All I know is, 'that whereas I was hlind, now see,"

"Blessed be God for this!" cried Ernest.

"Miriam's blindness was hrought upon her through sickness, when she was about seven years old," said Ella. "When I hecame aware of this, I consulted Dr. M----, the celehrated optician. He examined her eyes and said that he could restore her sight, and he has done so."

'Ernest, do you love me more now?"

Miriam took his hand and looked up into

"No, not more—hut I am so happyhappy for your sake, Miriam."

# Miscellany.

#### VISIT TO SPRAGUE'S STABLES AND RA CING COURSE.

ment and stock at Cranston, Rhode Island:-

"His place is beautifully situated ahout four face. It was the soprano voice in the choir boot, and was placing them on the graveled miles from Providence, in the town of Cransvisited the barn, which is the handsomest and heen my luck to see; it is huilt entirely of bottle. hrick, and has everything that can be thought of for the comfort and care of the nohle horses

all your readers must know. He weighs at this time in the neighborhood of 1400 lhs., and when in condition last Fall, after the trotting 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 descends. Then there was a very large, powerful gray mare, whose name I forget, but it matters little, as she will make it known herself before Fall. I did not inquire her sire, hut she shows the Messenger blood enough to prove that it has not degenerated in her. Next 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 will doubtless make herself known. The next one was a handsome sorrel, called Morning Star, hy Andrew Jackson, fonr white feet, a very large, powerful horse, and I am inclined to thiuk a hot one to come across.

From the private stables of Mr. S. I went to see those where he keeps his work horses, of which he has some 175, all ranging from 13 to 14,000 lbs. on an average, and I think they cau not be equalled as a class by any lot of horses of the kind, helonging to any establishment 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 stables, with as fine a lot of cattle as you hnt 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 everything is at hand; the honse is as perfectly arranged as that of any of the city fire departments, and everything 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 perfect, and I think any horse, no matter how gaited, that can't trot fast here, can't trot at all. It is an exact mile, neither an inch too long nor too short, so that there can never he any complaint made in that way. Of the buildings on the track, I will only say they are unequalled. The grand stand is a model of architecture, heing some 350 feet long, all covered with a haudsome slated roof, and capable of seating some 5000 persons. In the rear of the seats are the ladies and gents' rooms, comprising dressing rooms, water closets, &c., all to he fitted up with the very finest of modern improvements, and nnderneath, extending the whole length of the building, is the dining hall, cook rooms, etc., which wil be fitted up in a style of unrivalled magnificence. Ahove the main building rises a sort of tower, where will he the club rooms-all in a style heretofore unthought of in this or, I think, any other country. The other huildings now erected are three stables, of handsome and commodious construction; also, two sheds, exactly rerembling them in outside appearance, to drive A Correspondent of the Turf, Field and into. I can only say, in addition, that this is Farm thus describes Amasa Sprague's establish-destined to be the most perfect track in the

A Frenchman has invented a new stopper ton, and of easy access hy horse cars. I first for champagne hottles, the intention being to enable a glass of champagne to he drawn from most perfect edifice of the kind it has ever a hottle without injury to what remains in the

THE lumber, turpentine and rosin trade of



DISCOVERY OF A SILK PLANT.—The Department of State has received information from the United States consul at Lambayque, Peru, that an important discovery has heen recently made in Peru of the silk plant. Preparations are being made to cultivate it upon an extensive scale. The shrub grows three or four feet in height, and the silk is enclosed in a pod, of which each plant gives a great number, and is declared to he superior in fineness and quality to the production of the silk worm. It is a wild perennial, the seeds small, and easily separated from the fibre. The stems of the plant produce a long and very brilliant fibre, superior in strength and heanty to the finest linen thread. Small quantities have heen woven in the rude manner of the Indians, and the texture and brilliancy are said to he unsurpassed.







# The Farm and Fireside.

# Various Matters.

#### IMAGINATION.

An English farmer became possessed with the idea that he bad the rinderpest. His family doetor tried to lungh him ont of it; this only served to confirm his vagary; he then eonsulted an old physician of considerable experienee in human nature as well as in medieine. The physician made many inquiries of length sent him to an apothecary with a sealed mortar read to the astounded patient. "This eording to the act of Parliament." This brought the soft-headed farmer to his senses, and he was quite well in a moment.

eases it does no good to deride or scold; so it suffering is the same as if it were real, and in epithet. "Bear ye one another's burdens" is shadows, will stay forever in our presence." a moral medicamendum of great efficacy. The wits of physicians are often ealled into requias efficacious as they are amnsing. A titled lady once became possessed with the idea that a mouse had ran down her throat while she physician seeing at once how matters stood, advised her to call next day; meanwhile, be sleeve so as to be made proper use of at the desired moment. With a great show of prethe mouth, and placed a small mirror in a situation as if to reflect the image of what might be seen. "Hold on, be steady, I see the tail," and with a tremendons jerk, he prodneed an innocent little mouse, gingerly held between thumb and finger by its eandal extremity, to the infinite gratification of his titled patient, who, placing a magnificent fee in the doctor's hand, withdrew with a mounotherwise might have ernshed it.

A rich old toper imagined that a bottle was attached to his nose, and that if it were broken, it would let all the blood out of his body hence his whole time was spent in guarding his nasal appendage from harm. A rough surgeon of great eminence was consulted.

"Go to Jerieho with yon," and with an ap propriate action, smashed a bottle into a thousand pieces: "there's the bottle, but you see it had no blood in it." The patient's whims 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 cursed with these imaginary evils, Blessed is the ordinance that man should live by the sweat of his brow.

THE RAINING TREE.—The Island of Fierro is one of the largest in the Canary group, and it has received its name on account of its iron bound soil, through which no river or streams flow. It has also but very few wells, and these not very good. But the great Preserver and iu a way so extraordinary that He gives in this spoken of as the old chestnut. Snstainer of all, remedies this inconvenience an undeniable demonstration of His goodness. In the midst of the island there grows a tree, the leaves of which are long and narrow, and continue in constant verdnre Winter and Snmmer, and the branches are covered with a cloud which is never dispelled, but resolving itself into a moistnre, canses to fall from its leaves a very clear water, in such abundance that cisterns placed at its foot to receive it are never empty.

WE have received a copy of the "Transactions of the Rhode Island Society for the Enonragement of Domestie Industry" for the ber, 1866. It embraces valuable reports and in stical tables of more than ordinary inter-

ELOQUENT PASSAGE. - The finest thing Geo. D. Prentiee ever wrote is this inimitable passage: "It eannot be that earth is man's only abiding place. It cannot be that our life is a bubble east up by the ocean of eternity to float a moment upon its waves, and sink into nothingness. Else, why is it the high and glorious aspirations which leap like angels from the temple of our hearts, are forever wandering unsatisfied? Why is it that the rainbow and cloud come over us with a beanty his patient, entered fully into the ease, and at that is not of earth, and then pass off to leave us to muse on their loveliness? Why is it prescription, which the man of the pestle and that the stars which hold their festival around the midnight throne, are set above the grasp of man has got the eattle plague; take him into our limited faculties, forever mocking us with the back-yard, and shoot him on the spot, ac- their unapproachable 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 onr Illness is sometimes imaginary, but in such affection to flow back in an Alpine torrent upon our hearts? We are born for a higher is sometimes with what is ealled nervousness; destiny than of earth. There is a realm it is useless to make light of it; the feeling of where the rainbow never fades, where the stars will be spread out before us like the issuch cases sympathy is oftentimes a more lands that slumber on the ocean, and where efficient remedy than derision or impatient the beautiful beings which pass before us like

THE ROMAN BEN-TIME. - An immense masition, and impromptu remedies are sometimes jority of men in Rome never lighted a candle, unless sometimes at early dawn. And the enstom of Rome was the custom also of all nations that lived around the great pond of the was sleeping with her mouth open. Her Mediterranean. In Athens, Egypt, Palestine, Asia Minor, everywhere the ancients went to bed, like good boys, from seven to nine o'produced a mouse, and arranged it in his coat clock. The Turks and other people, who snceeeded in the stations and the habits of the ancients, do so at this day. The Romans, paration, he adjusted an instrument to distend therefore, who saw no joke in sitting round a table in the dark, went off to bed as the darkness began, Everybody did so, Old Numa Pompilious bimself was obliged to trnndle off in the dark. Tarquinins might be a very snperb fellow; but we doubt whether he ever saw a farthing rush light. And though it may be thought that plots and eonspiracies would flonrish in such a city of darkness, it is to be considered that the conspirators themselves tain-weight removed from her mind, which had no more eandles than honest men; both parties were in the dark.

> PENNSYLVANIA AGRICULTURAL COLLEGE.-Frederick Watts, of Carlisle; H. N. McCallister, 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 recent Act of Assembly. They will meet at the Agrienltural College on the 15th inst. The farms are to contain one hnndred aeres, and be located in different parts of the State. The committee invite proposals of the terms upon which such farms will be conveyed to the institution for the purpose mentioned.

> OLD TREES. -There are trees in England that are computed to be about two thousand years old. 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

> The peach-growers of Delaware and Maryland, as well as of New Jersey, anticipate full erops, and the shippers of peaches to the New York market have made arrangements with the railroad companies to send seventy-five cars of peaches daily during the season.

> THE Agricultural Department is in receipt of information from all sections of the country, that the wheat crop this season will be the finest produced in this country for many years.

# TERMS OF ADVERTISING.

A limited number of ndvertisements will be published in the FARM AND FIRESIDE. Price, fifteen cents a line each insertion. Advertisements are set up in a uniform style.

#### THE FARM AND FIRESIDE AND THE PATRIOT FOR \$4.00 PER YEAR.

For the sum of FOUR DOLLARS, pald in advance, we will send the FARM AND FIRESIDE and the WOONSOOKET PATRIO for one year. The subscription price of the latter, alone, is \$2.50. THE PATRIOT is an old established family newspaper with the largest circulation of any country journal in New S. S. FOSS, PUBLISHER England,

Woonsocket, R. 1.

### Marriages.

In Uxbridge, April 23, by Rev. Rushton D. Barr, Edward L. Smith of Burrillville, to Georgia Etta A. Rhodes of Uxbridge. In Grafton, April 30, by Rev. G. Robbins, James A. Richardon of Boston, to S. Emma Prentice of Grafton.

In Milford, April 20, by Rev. L. Crowell, Mr. Charles A. Grant, Jr., to Miss Jennie Robinson, both of Medway. In Westford, April 28th, by Rev. S. J. Whiton, Mr. Jumes H. Burrill to Miss Mary E. Buxton, both of Westford.

In West'Brookfield, May 1st, by Rev. W. M. Hubbard, as sisted by Rev. S. Dunham, Mr. William A. Sturdy of Attleboro Mnss., to Miss R. Jeunie Peirce of West Brookfield.

#### Deaths.

In this town, April 29th, Abner Aldrich, in the 61st year of his

In Burrillville, 5th Inst., Syria Shearman, aged 65 years, 4 nouths and 12 days.

In Milford, May 2d, Miss Eda Chapln, aged 75 years. In Hopkinton, April 27, Mrs. Julia, wife of Mr. Daniel Eames, aged 65 years.

In Wilkinsonville, April 20, Mrs. Snlly Newton, relict of Capt. William Newton, aged 89 years.

In Grafton, April 30, at the residence of Maj. John McClellan, Mrs. Sally Duggett, wife of the late Hon. Ebenezer Daggett of Attlehorough, aged 88 years.

In Upton, May 1st, Deborah Taft, aged 67 years. In Wrentham, April 30, Henry W. Barnes, aged 27 years formerly of the 18th Mass., Vols.

In Killingly, Ct., April 24, John Farrows, aged 89 years, 8 mos In Putnam, Ct., April 27, Robert H., youngest son of Ed-mind and Harriet Wilkinson, nged I year and 3 months. In Anthony Village, 6th Inst., Joseph Matteaon, of Coventry, aged 65 years.

In Oxford, April 28tb, Charles, son of Edwin S. Ball, need 19

In Grafton, May 6th, Joseph Adams, aged 80 years. Iu Wilkinsonville, May 6th, Grace Brown, aged 86 years

## The Markets.

# WOONSOCKET RETAIL MARKET.

[For the week ending May 10, 1867.] FARM PRODUCTS, FUEL, &c.

Hay ₩ ton\$38	Wood % cord			
Straw # ton\$20	Renne 24 auget 13e			
Coal 78 ton\$10 50a12 50				
Oats # bush85a90c	Onione			
Oats & ousuosasoc	OHIOH8			
GROGER	IES, &c.			
Flour\$16, 18a19 20	I Ralsins			
Corn Meal\$1 30	Molasses 39 gal 75a85c			
Rye \$1 50	V H. Tea . \$1 90			
Saleratus10a15c	Black Tea. 80ca \$1 20			
Kerosene Oll	Oil 32 oal   \$1 00			
Cheese & th24c	Fluid 22 and 'et fui			
Butter # 1b40, 42a45c	Condo 50 th			
Codfish8c	E.ggs ID GOZ			
Java Coffee ₩ 1b25a50c	Lard # 1b			
Mackerel, new10a12c	Sugar 智 的14a18c			
MEATS, &c.				
Beef Steak				
Beef, corned12a16c				
Tongues, clear25c	Shoulders			
Mutton	Samenger			
Veal16n20c	Deele and			
Pork, fresh	Pork, salt			

#### BRIGHTON CATTLE MARKET. May 8, 1867.

At market for the current week: Cattle, 1326; Sheep and Lambs 2164. Swine, 3300. Pricors. Beef Cattle—Extra, \$14.50@ \$15.00; first quality, \$13.25@\$14.00; second quality, \$12.50@\$13.00; third quality, \$11.00@\$25.00 \$7 100 hs (the total weight of bides, tallow and tressed heef.

ressed near.) Country Hides, 9@10c 岩 b. Country Tallow 6%@7c 岩 b Brighton Hides, 10@10%c. 岩 b; Brighton Tallow, 7%@8c

2 hb.

Lamb Skins, 50c each; Wool Sheep Skins, \$2 25@, 2 50.

Calf Skins, 20 @ 22c #2 fb. Sheared Sheep Skins, 25c each, There is not so many Beeves in market as there was one yeek ago, and the quality of the Western Cattle is not so good upon an average. Frices bave advanced from £5a50c. from ast quotations.

Working Oxen—There is but a few pairs in market, and not nuch of a demand for them. Holders are asking from \$150 to 2325 per pair.

\$25 per pair.
Milch Cows—Sales extrn at \$80a110; ordinary \$60@\$80.—
Store Cows \$4%a55.
Sheep and Lambs.— We quote sales of lots at 4½, 7, 7½,
3½, 94½ € 治lb. Trade is active, and the snpply is small.—
Most of the Sheep were taken at a commission.
Swine—Wholesale, \$4%a5½ ets 治 lb.; retuil, 7 @ 9 cts 表 lb.
Fat Hogs—2900 at market; prices, 8½@8½c. per pound.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

## BOSTON SALE OF STOCKS.-May 8.

BOSTON SALE UP STUURS.—BLBY 6.

American Gold 132½; United States Coupons, May, 136½;
United States 4-308, 184 series, 106½; United States £-20s, 1864, 105½; Hartford and Eric RR 78; 55½; Boston Water Power 105½; Hartford and Eric RR 139; Hartford and Eric RR 14½; Copper Falls Mining Co. 22; Frankin 17; Allucz b 3) 5; New York and Boston Air Line RR 68 44½; Fewahic Copper 15.

# Great American Tea Company.

#### THE IMMENSE PROFITS

OF THE

#### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Ten trade, we will start with the American houses, leaving out of the account entirely the profits of the Chinese

lat. The American House in Chinn or Japan makes large profits on their sales or shipments—and some of the richest retired merchants in this country have made their immenze for tunes through their houses in China.

2d. The Banker makes large profits upon the fareign exchange used in the purchase of Teas.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

3d. The Importer makes a profit of 30 to 50 per cent lu many cases.

4tb. On its arrival it is sold by the carge, and the Purchaser sells to the Speculator in Involves of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer in lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea bealer sells it to the Wholesale Grocer in lots to suit the trade, at a profit of about 10 per cent.

7th. The Wholesale Grocer sells it to the Ketall Tealer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit be can get.

an get. When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer And now we propose to show why we can sell so very much lower than small dealers.

We propose to do nway with nil these various profits and brokerages, curtages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Jupan, one cartage, and a small

profit to ourselves-which, on our large sales, will amply pay us. Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Warebouses in this city.

Some parties inquire of us how they shall proceed to get up n lub. The answer ls simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, ns published in the pnper or in our circulars. Write the names, kind, and amounts plainly on n list, and when the club is complete send it to us by mail and we will put each party's goods in separate puckages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each purty getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New York, by Post Office money orders, or by Express, as mny sult the convenience of the Club. Or if the an ed exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will he as liberal as we can afford. We send no complimentary package for Clubs less than \$30.

Parties getting their Teas from us mny confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company have selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same us the Company selithem in New-York, as the list of prices will show.

All goods sold are warrented to give tallsfaction.

VOUNG HYSON (Green), 50c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.

GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.

MIXED, 70c., 80c., 90c., best \$1 \$7 lb.

JAPAN, \$1, \$1 10, bast \$1 25 \$7 lb.

JAPAN, \$1, \$1 10, bast \$1 25 \$7 lb.

MPERIAL (Green), best \$1 \$7 lb.

IMPERIAL (Green), best \$1 25 \$7 lb.

ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 29 lb.

\$1 20 73 fb. GUNPOWDER (Green), \$1 25, hest, \$1 50.

These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a bigh degree of pleasure in drink-Ing them.

Our Blacks and Green Mixed Teas will give universal ratisfaction, and suit all tastes, being composed of the best Foo-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Ten, although it is the finest imported.

Customers can save from 50c, to \$1 per lb by purchasing their

## THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City.

COFFEES ROASTED AND GROUND DAILY.

-	WEEKLY REVIEW OF THE NEW YORK	COPPEED ROASIED AND GROUND HAILY.
ı	WEEKLY REVIEW OF THE NEW YORK	0
Ŧ	WHOLESALE MARKET.	GROUND COUPLE, 20c., 25c., 30c., 35c., best 40c. per pound
		11 Olding Calouns, Dualung-nonse Reeners, and families who was
ı	The excitement and activity in breadstuffs continues. Flour	r large quantities of Collee, can economize in that article by us
1	has sold freely at nn advance of 25 to 55 cents per barrel. The	and Dinner Coffee, which we sell a
I	very limited receipts and rapid depletion of the stock creates	the low price of 50c, per pound, and warrant to give perfect
	much apprehension for the future.	satisfaction.
	It is believed the consumption of wheat flour has fallen off	Club Orders
ı	forty to fifty per cent. At the close the tendency is strongly np.	
,	ward. Prices here are much below those in the interior.	WASHINGTON, Pa., Nov. 10, 1866.
	Rye flour has been active, and has advanced 25 to 30 cents	To the Great American Tea Company,
	per barrel, and is now largely used as a substitute for wheat.	Nos. 31 and 33 Vesey-st., New-York.
	Corn meal has improved, and is quite scarce.	Gents: I forward you my fourth order and could have
	Wheat has been in active request, and prices have improved	- HOHDICH II II IIRII COHCCLEH ANY AS YOUR Tees tulto the lood to
	slowly, reaching a point unparalleled in the history of the trade.	the market, we seed it a saving of SI per pound Please agent
	We notice would design further the track which the trace.	my thanks for the combinentary package Address by Cv
1	We notice rapid depletion in the stock, which is now reduced to about 800,000 bushels.	press, Martin Luther, Washington, Pa.
T		MARTIN LUTHER.
1	The new feature in the trade is the importation of wheat	
	from Liverpool. The quantity of wheat in transitu from Call-	10 lb Young Hyson, in pound packagesat \$1 25\$12 50
	fornia is stated at half a million of bushels. This is becoming	5 fb Young Hyson
	very popular with the trade, and has advanced from 10 to 15	2 lb Young HysonHenry Herrickat 1 25 2 50
-	cents per bushel. It is salable at \$3.40 to 3,55 per bushel.	2 lb Young HysonGeorge Murphyat 1 25 2 50
c	Rye has been in active request and has advanced about ten	: 1 to roung tryson
	cents per hushel, closing huoyant. The stock is reduced to	2 lb Young HysonSamuel Beckernt 1 25 2 50
	nhout 225,000 bushels.	E 1 ID Young HysonSamuel Amonat 1 25 1 25
	Oats have been in active consumptive and speculative re-	F I ib Young HysonHenry Whentleynt 1 25 1 23
	quest, and have advanced 5 to 7 cents per busbel. The stock is	F / ID Young 11780nMorgnn Havesat 1 25 8 75
	reduced to about 900,000 hushels, which is liberal. At the close	2 ID Young HysonJohn Natten at 1 25 2 50
_	the market is quiet.	# 4 ID Young HysonMark Combsat 1 25 5 00
ť	Indian corn has been in active request, and with light receipts	E 2 ID Young HysonJohn Allen at 1 25 2 h
	of old, prices have been unduly stimulated by nn active specu-	5 D Young HysonMiss Stuartat 1 25 10 06
	lative demand.	2 to Oolong, hest Miss Stuart at 1 00 2 00
•	Pork has been quite active but nt variable rates. The de-	2 to Young HysonO. Baylandat 1 25 2 50
3	mand has been more general, and there was rather bigher	2 th Oolong, bestO. Baylandat 1 00 2 00
	prices than this day week.	2 to Ynung HysonJ. Richleinat 1 25 2 50
	Beef has again advanced and is very firm at the close.	2 ft, Young HysonMr. Guytonat 1 25 2 50
	to the close.	2 lb Young HysonEdward Murphyat 1 25 2 50
,	2002201010	2 to Young HysonMrs Murphyat 1 25 2 50
"	BOSTON SALE OF STOCKS.—May 8.	5 lb Oolong, bestHenry Huliat 1 00 5 00
	American Gold 136%; United States Coupons, May, 13614;	2 th Oolong, best Separate packageat 1 00 2 00
	United States 7-30s, 1st series, 106%; United States 5-20s, 1864,	
	1055: Hartford and Erlo RR 7s 584: Boston Water Popular	5 Ib Ground ColfeeSeparate packageat 35 1 75



CHEERFUL PERSONS.—God bless the ebeerful person, man, woman, or child, old or young, illiterate or educated, bandsome or homely. What the snn is to nature—what God is to the stricken heart which knows how to lean on Him, are cheerful persons in the house and by the wayside. They go unobtrusively, nneonsciously about their silent mission, brightening up ears, omnibnses, ferry-boats, with the happiness beaming from their faces.—
We love to sit near them; we love the glance of their eye, the tone of their voice; the little children find them ont, oh! so quickly, amid the dense erowd, and passing by the knitted brow and compressed lip, glide near and lay a coufiding little hand on their knee, and lift their clear, young eyes to their confiding faces.





# The Housekeeper.

BUTTER.

Written for the Farm and Fireside, BY COSMO.

WE knew oue dairyman living within forty miles of Philadelphia, who sells all his butter in town, averaging, at a guess, one hundred pounds per week the year round, always disposing of his stock as fast as he can pass it out to customers, at an advauce of five to ten cents per pound above current market rates; simply because purchasers prefer paying extra prices for a superior article, to buying ordinary grease at any price. If that same dairyman were to increase his stock to one thousand, instead of oue hundred pounds per week, maintaining the quality at his present standard, he course the larger quantity would require a longer time in dealing it out.

Now as there are at a moderate calculation, within the limits of the five counties next nearest neighbors to the city, two thousand families who make hutter for market, averaging say thirty pounds 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 Gentleman,"—they can do it by pursuing the same practice, and its achievement will cost no more, pound for pound, than it does to make "grease." There would be a handsome increase of their profits, and what a glorious butter milleuuium there would be iu Philadelphia.

As we know, from enough instances in every fensive odors. one of the counties named, to establish the fact beyond all dispute, that just as good butter can be made 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 hutter peer of the "Land of Goshen!" Nothing but the ambition and determination to do so. Our pastures are as rich as those of the Empire, or large, the material as rich in butter elements, and unquestionably there is quite as much intelligence among our dairy men and women as can be found among 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 us tell the whole truth in reply, and determine to do

"Don't care"—is the mother of mischief in hutter making. No sloven, ever did or will make a pound of good butter. The arbitrary requisites of first class butter are always, 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 always before the milk gets sour and coagulated; skiin as cleau as possibly, and as clear from milk. Never pour warm water into the churn to up the "grain" and make salve. Some salt butter to sell salt. That is a mistake. Most people imagine that hutter is salted to save it. That is a greater mistake. Butter worked privileges. until free from hntter milk will keep always as well without salt as with it. The little salt ter over first in small lots, say five pounds. wires of which emerge near the breech, and You cannot get the butter milk ont of larger are so arranged as to be connected when a batches. Second working, clip, spat, hand current is required to explode the powder.

and paddle, in pound lumps, Never wash Advertising Bepartment. South nown co.'s patent butter. You will wash ten times more worthlessness into than you wash ont. Only wet the hand and paddle in clean water, to prevent

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 SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS butter will always readily bring than strong salvy grease. The inducement ought to be sufficient to hring out a great deal more good hutter.

May, 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 would dispose of it just as readily, only of 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 followng will answer the purpose, while they cost but a trifle:

- 1. One pint of the liquor of chloride of 2000 Sacks Prime Red Top. zinc, in one pail of water, and one pound of 5000 Bags Prime Herds Grass. Charcoal of lime in another pail of water. This 1500 Bushel Prime R. I. Bent, for Pastures. 3000 "Seed Barley. is, perhaps, the most effective of anything that 100 can be used, and when thrown upon decayed 100 vegetable matter of any description, will ef- 200 fectually destroy all offensive odor.
- 2. Three or four pounds of sulphate of iron (copperas) dissolved in a pailful of water will, white nutch Clover, Orchard Garnen Seens.

  [Copperas] dissolved in a pailful of water will, white nutch Clover, Orchard Grass, Onion Sets, and a commany cases, be sufficient to remove all of-
- 3. Chloride of lime is better to scatter about damp places, in yards, in damp cellars, and upon heaps of filth.

BEEF CAKES.—Take the best sirloin of beef, one pound; boil it until soft; boil also a beef tongue until soft. Take one pound 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 any other State. Our dairy stock is equal to as you can, add pepper and salt to taste, also the average elsewhere, the yield of milk as 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.

# Miscellany.

LARGE ROOT CROPS.—We notice in the Report of the Massachusetts Horticultural Society, that the farm connected with the Deer Island House of Industry raised extraordinary root crops. An acre in mangolds produced 73 tons of roots, carefully weighed, and 5 tons in tops, by estimate. This acre was planted with potatoes in 1863, carrots in 1864, onions in 1865, 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 seaweed (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 value of mangolds as equal to sugar beets, and the yield as one-third greater. The rotation and the adaptation of marine manures to come first. Work the butter by hand and mangolds, are noticeable points in this statepaddle. All butter workers so far, only break 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 root crops are not living up to their

FIRING GUNS BY ELECTRICITY.—The wellusually put into butter is not a fifth part known method of firing gunpowder with a sufficient to save it. The office of salt is only platinum wire made red hot hy a galvanic curto flavor butter. So don't make it half salt. rent has heen applied to gnns in France. The It won't sell well so high seasoned. A dessert only novelty heing in carrying two small elecspoonful to a pound is plenty. Work the but- itric hatteries in the stock, the two connecting

#### Rhode Island.

W. E. BARRETT & CO.,

Manufacturers of

MEAN'S PATENT CONICAL PLOWS.

GARDEN BARROWS.

CHASE'S TWO HORSE POTATOE DIGGERS, STORE TRUCKS,

IMPROVED HINGEN HARROWS, CULTIVATORS, ROAD SCRAPERS, OX YOKES, AND PLOW CASTINGS;

And Wholesale Dealers in

Ioes, Shovels, Axes, Scytbes, Forks, Snathes, Cradles, Hors Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetable Cutters, Picks, Bars, Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for KNIFFEN'S, UNION AND PERRY'S

MOWING MACHINES, Whitcomb's Patent Horse Rake, and the hest Hay Tedder in

> the market. Prices low and Terms Cash. OFFICE, 32 CANAL STREET.

March 23, 1867.

W. E. BARRETT & CO., PROVIDENCE, R.1.

Seed Barley.
Spring Rye.
Bedford Seed Oats.
Early Goodrich Potatoes.
"Sehec Potatoes.
Late White Peach Blows.
"Harrison Potatoes.
Seed Peas.
R. I. Wbite Cap Corn.
London Hort, and Concord Pole Beans.
Buckwhest.

Raised for us with great care. 200 Barrels dry ground Bone for Manure, together with all kinds of Farm Implements and Machinery. Send for Circular of Mead's Conical Plows and Sbare's Horse Hose—and don't forget the number,

### 32 canal street, 32.

PROVIDENCE. we-tf

SEEDLING POTATOE COOKE'S RATTLER,

a new and very superior Seedling, grown by Joseph J. Cooke, Esq., of Cranston, and now offered for sale as the best LATE KIND in the market. It is a rusty coated, light red, round, great yielder; white and perfect inside, and a splendid Table Potatoe. Price, \$3.00 per hushel. Sold only by W. E. BARRETT & CO., PROVIDENCE, R. 1.

April 13, 1867.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conleal, Wright's and Cylinder Plows and Castings; Sbares & Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c. Holder's Block, Main Street, Holder's Block, Main Street, Woonsocket, R. 1.

HUBBARI, BLAKE & CO.'S AXES, now acknowledged the hest in market, are for sale in lots or by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R.

ADIES, ATTENTION!—A SILK DRESS PATTERN, or a SEWING MAOHINE, sent free, for one or two days' service, in any town or village. Also, a gift sent free, by addressing with stamp,

W. FISK & CO., 17 State Street,

BOSTON, Mass.

4w-we-14

WHITE FRENCH TURNIP, of the purest kind, raised and sold in small or large lots, by W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

PARRETT'S EXTRA FARLY CABBAGE,—The best and largest in the market. Price, 25 cents a paper. Raised and sold by W. E. BARRETT & CO.
Providence, Feb. 23, 1867.

### Massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS OASH ADVANORS MADE ON CONSIGNMENTS.

233 State Street, and 130 Central Street, Boston

New England Agents for the

NONPARIEL FRENCH GUANO.

It is claimed that this Fertilizer is superior to any in the market, its virtues and merits over others being to prevent all insects and worms from destroying crops of plants, without hurning or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil. PRIOR \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

TICKS, SCAB, VERMIN AND FOOT ROT should be used by all Farmers on

SHEEP, ANIMALS AND PLANTS

years, and never fails to produce the desired effect when used

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sbeep.

It cures SCAB on Sheep.
It cures all SKIN DISEASES on Animals.

It kills all VERMIN that Infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

CFF ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts

For sale by KENDALL & WHITNEY, Portland, Me.; N. S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H.
March 9, 1866.

4m-we-9

BY MAIL, PREPAIN.

CHOICE FLOWER AND GARNEN SEEDS,

NEW STRAWBERRIES, GRAPES, CURRANTS, ROSES, BULBS,&c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Union in perfect safety, a complete assortment of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS, GOOSEBERRIES, BLACKBERRIES, ROSES, FLOWERING PLANTS,

Bulbs, Lilles, &c., &c. Fruit and Ornamental Trees and Shrubs, Evergreens, Hedge Plants, &c., will be sent by freight paid to Boston. Also, the True Cape Cod Cranberry, for cultivation in wet land, or in upland and Gardens, where it produces at the rate of 400 hushels to the acre; with directions for cultivation. Priced Bescriptive Catalogues will he sent to any address. Now is the best time for Planting. The hest way to obtain good Fruits and Flowers, and Seeds, is to send direct to the Grower. Send for a Catalogne. Wholesale Catalogues to the trade. Agents wanted.

ne trade. Agents wanted. Plymouth, Mass., March 30, 1867.

# Pennsylvania.

RHONES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIC AOID. VALUABLE FOR EVERY DESCRIPTION OF CROPS

Endorsed and recommended by Dr. EVAN PUGII, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say more than that it is

FULLY UP TO THE STANDARN, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHONES' SUPER PHOSPHATE. YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Belaware.

418 South Wharves, PHILANELPHIA.

## New York.

J. HICKLING & CO.S

GREAT SALE OF WATCHES.

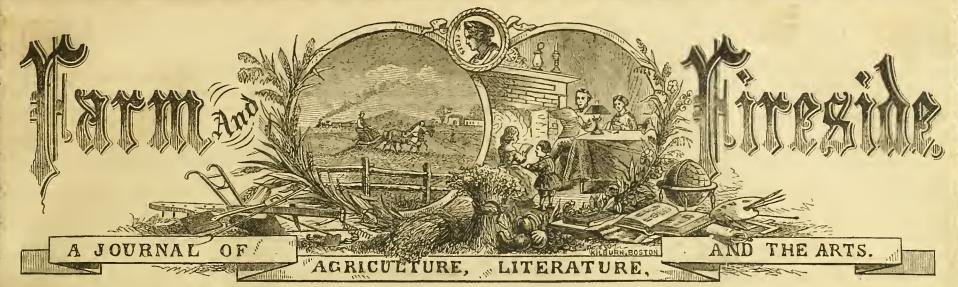
March 22, 1867.

ROAN SCRAPERS, made of old Car Wheels, for sale h W. E. BARRETT & 6 32 Canal Street, Providence



THE FARM AND FIRESIDE 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 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 offensive 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 advance. Single





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VOL. 1.

# WOONSOCKET, R. I., SATURDAY, MAY 18, 1867.

NO. 19.

THE KILMARNOCK WEEPING WILLOW.



This is a very graceful weeping lawn tree, with broader foliage than the common weeping willow; and, like the larch, is obtained by budding or grafting on a stock of the requisite beight and proportions. Budding is the mode of propagation generally adopted—the strong growing Goat Willow, suitably trained, being the stock generally employed. Many inexperienced budders fail to succeed at first in budding the Willows.

This variety, like the Larch, was introduced from Scotland; the name of the locality is familiar to all admirers of the great Scottish poet, as the place where a much dreaded personification was once seen. We trust the graceful "Kilmarnock Willow" will not harrow up any such form to the fertile imagination. These trees are termed deciduous; that is, they drop their leaves in the Autumn; but are, nevertheless (when well managed), graceful ornamental trees for the lawn and landscape.

#### Written for the Farm and Fireside. CAULIFLOWERS-THEIR CULTURE.

But few of our rural agriculturists are aware vegetable, and fewer still attempt its culture; and many wbo make the altempt do not sucre superior, if equal in delicacy, to this vegerules for culture, preservation, &c.

be sown in the Fall, and the plants wintered and used. in a cold frame; or be started in a hot bed or

forcing house in January or February, and the plants picked out into boxes or the the soil of another hot bed, two or three inches apart, and gradually hardened off, till the weather of the excellence and value of this delicious becomes such as to be safe to plant in the open ground; the plants being so nearly hardy, if properly hardcued off they will stand several grown on half an acre, and they will sell for ceed from some cause or other. There are degrees of frost without injury, and little dan-drom \$12 to \$15 per hundred. A few desiranone of the Brassica tribe of vegetables which ger is apprehended in transplanting in this lati- ble sorts, which you will find described in the tude the last of April or early in May—further table. Of the same family as Broccoli and South carlier. It is necessary to have the Early Erfurt and Early Paris; for succession Cabbage, it requires nearly the same culture. | plants become well established and firmly root- | erop, Wellington, and perhaps others. I name As it is not so generally known as most of our icd before hot, dry weather, in order that they garden vegetables, and its culture not as gene- head or flower well. If not thus treated, they rally successful, I propose to give some general will need copious and frequent watering, as moisture is essential to their well doing. The To begin with, good seed is the first requi- many failures arise mainly from a non-comsite; for if the seed is not from good stock no pliance with the foregoing suggestion. A late after culture can compensate for the fault, or crop may however be grown, but with less give satisfactory results. Where this crop is certainty, by sowing the seed in the open is destroyed. grown for market it is generally grown as a ground during May, and transplanting in July; first crop, to be ready for marketing in June or loften, however, the hot, dry weather of Au-July; for a garden crop it is generally planted gust and September causes a failure, or a par- IT is reported that in some sections of New works the yield of gas does not exceed four later. As a first or early crop, the seed should tial one, unless means for irrigation are had York State the peach blossoms have been so feet and forty-one-hundredths to the pound.

The cauliflower requires a soil in the highest them to fall from the trees.

possible state of fertility to produce the best results. Thus far I proceed in first sowing the seed for an early crop; the treatment for a late crop being similar in all respects, except treatment of the plants, which I will not notice 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 and one-half to one inch apart in the drills; in the course of four or five weeks the plants will be ready to transplant into cold frames, two or three inches apart, where they are to remain during Winter. They will need a little more care in protection than lettuce or cabbage plants, thus wintered. If this trouble is not agreeable, they may be started in a hot bed or forcing house in January or February and hardened off, as above mentioned.

Planting, &c. - As soon as the soil and weather will admit, without judicating more than ten or fifteen degrees of frost to follow, prepare the ground by heavy manuring, and well rotted mauure will answer, thorough deep plowing and fining the soil by harrowing, &c. Lay off the rows and bills according to the growth of the variety—some kinds require to be planted 15 by 24, while others require 18 by 30 inches of space. Transplant in every way as you would a eabbage, using eare to do the work thoroughly well. The more frequently they are hoed and the ground stirred the better they will head; therefore do not spare using the hoe among them. The early 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 off, 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 cellar, by setting the roots in fresh earth or soil, where sometimes, if not fully developed, they will perfect growth; but the rule is only in the exception; however, they keep much fresher and better with the roots in fresh soil or earth, than other-

A half an acre or so will be found to be a very remunerative crop, when successfully grown early, in the vicinity of market, and marketed: as 5000 to 6000 plants may be descriptive seed catalogues of seed dealers, are these as tue most general for market crops, As the plants come to maturity, and are obliged to be harvested near together, it is better to have different varieties ripening in succession. Unless harvested as soon as the heads are fully developed they are very liable to run up to seed, and thus their value as a table vegetable

My Riverdale Farm, May, 1867.

badly frozen by the cold weather as to cause The cost of peat is much less per ton than

BUCKS COUNTY FOWLS.

Writien for the Farm and Fireside, BY CRAIG BINDLE, ESQ., PHILADELPHIA.

The chickens which pass under this designation are not a distinct breed. For many years it has been the effort of the farmers in the vicinity of Philadelphia to supply the market with large and fine poultry. To do this, they

have not confined themselves to any one breed. By persisting, year after year, in retaining the largest and best fowls to breed from, they have generally been successful in baying a good stock. When they wish to chauge it, they obtain from their neighbors a number of eggs, and thus obviate the danger of too close breeding. The fowls are all mongrels, and consequently their qualities are very dissimilar: some are great layers-some good sitters and earcful mothers, and in a large stock this is rather 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 chieken" was introduced into Bucks county, and by being crossed with the ordinary fowls of the locality, these large chickens originated. This may, or may not be so; but the main reason of their continued good qualities arises from breeding only from the finest specimens.

Persous, therefore, who get a large pair of chickens from Bucks county, expecting to raise from them a breed of chickens with any well marked peculiarities, will be likely to be mistaken. The variety must be kept up by constant selections from the finest specimens.

Americans generally have no lancy for pure breeds of auything. Whether this arises from the fact that the people themselves are a cross of all 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 cross it with some other. There is no place where it is so difficult to get anything, from a horse to a chicken, that can be relied on to be thoroughbred, 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 disposition to do so, many people are discouraged by the trouble of it. In chickens, if you have a great variety, it is particularly troublesome. Many breeders let all their fowls go together, except in the Spring of the year, when the breeding season approaches: they are then separated and their progeny warranted pure. This simplifies the matter a great deal; but whether the fowls come up fully to the warrant, I very much doubt.

May, 1867.

PEAT-GAS. -At the Troy Gas Works, New York, the experiment of substituting peat for coal in the manufacture of gas bas been tried with success. One bundred and fifteen pounds of dried peat, taken from a bed not more than three feet below the surface, yielded seven hundred and eighty-four feet of gas, or five and eighty one-hundredths of gas to the pound, while from the best coal used at the works the yield of gas does not exceed four that of the coal usually employed.



FEEDING Fowls.—There is nothing gained by feeding your laying hens as though you were fattening them for market. Especially will this remark apply while they are running out. This thing of over-eating is hurtful to anything that eats. It is natural for a fowl to be on the look-out the most of her time, and swallow a grain at a time as it is found, and thrive best living in this manner. Feed fowls a little at a time, and often. Grown fowls should not be fed less than three times per day. I find if I over-feed fowls, they go off in some corner and sit down and chill, if the weather is cold; whereas, had I given them half as much, 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.—Seaver's New Poultry Book.





# Field and Farm.

FENCES.

Written for the Farm and Fireside, BY ALEXANDER HYDE, LEE, MASS.

THERE are few things more annoying on a farm than poor fences, and costly as is a good fence, it is much more economical 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 discovered 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 fence produces, but the disappointment of one's plans, the suffering of the feelings, the loss of self-respect, 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 neighboring farmers, and are certainly a great draw back on the profits of the farm. The subject of feneing therefore demands attentive consideration from all who have a regard to good neighbors and an eye to profit. How and where to construct the fences is the first question with every purchaser of a piece 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 fence at the low price 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 each other, the cost will exceed seven hundred and fifty dollars. The purchaser of a quarter section of government land will pay, at government price, two hundred dollars for his one hundred and sixty acres, and the expense of fencing will exceed three times this amount, Allowing 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 fences have cost. The question how and where to huild our fences, is therefore of some importance, and grows more import-

ant as fencing 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 adage of "killing two birds with one stone," Not only is a permanent fence built, but the no reason why a wall should not last for successive generations, but we see no such permanency in most of the walls hitherto built. though they possessed the power of motion, and were not subject to the general law of the inertia of matter. The trouble is, that most sary in some places, but generally, if the surtion 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

The perishable nature of all wooden fences, or less to the catalytic influence of decaying out a stocking and then knit it up again for the side branches also should be stopped, that is, the agricultural societies.

sire for a more permanent structure of iron, iour farms iuto piece work, let us at least imihave 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 serviceable. A cheap and at the same time comely iron fence is so desirable, that we do not feel disposed to ahandon further experiment, and hope some Yankee will yet devise a pattern that will give satisfaction, and thus save our timber for more fitting uses. For 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 conteut, when stone arc not found, with rails and boards. Tue former made of split chestnut, and well laid up from the ground, make an efficient 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, looking at that time venerable from age, are still, after the lapse of forty years, doing good service. The objection to rails laid in the usual crooked Virginia fashion is that they oecupy too much land, and if laid straight, with mortised posts, are a defermity to the landscape. The latter is an inferior objection in the eyes of most farmers, but is worthy of consideration. No one would like a rail fence in front of his house, and why not? "Because it does not look well." Very true; and when does it begin to look well?-at five, or ten, or fifty rods distance from the house? We never saw a rail fence that laid any claim to beauty, exeept the beauty of utility, no matter where

The post and board fence is much more comely, occupies less land, and if the parts are placed on stone and braced, is very enduring. The cost of a board fence in most localities 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.

to is, the unnecessary amount of fencing on cheek, and brightness of eye, cheerfulness of most of our farms. Our fathers seemed, in some instances, to have a mania for cutting cheap and fence huilding served seemingly as a sister, and more attractive and confiding as a pastime to them. The fashion was to surround every house with a fence, whether as a barricade against cattle or Indians, we hardly know. Often three or four fences led from the house and barns to the road, giving a "pent up Utica" land is freed from an incumbrance. There is appearance to the whole premises. We have a distinct remembrance of the back-aching process of carrying the cocks of hay, ou long poles from the large door-yard of our father's They are crumbling and sprawling about as premises, as there 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 expensive fence, we never knew. Our den. of our walls have been laid on top of the childish impression was that it was a sort of ground, and often in wet places, so that the inner sanctum, which the foot of an ox or a settling of the stones, and the frost, have horse should never pollute. We are glad to speedily demolished what seemed at first a notice that these barricades around our houses nice piece of work. If this surface soil were have gone out of fashion, and that the inner di- ette should be sown, and the pot should be first removed, we should have a good material vision fences of our farms are fast diminishing. kept in a window till the young plants appear. for the compost heap, and a good bed for They are expensive, occupy more land than is Very little watering is sufficient at first, and a the wall. Some recommend that a ditch generally supposed, for a plow cannot well run little moss or a piece of paper is a sufficient in California, are the following: A mangelbe dug to a depth that the frost will not nearer than eighteen inches to them, are very shade till the seeds have sprouted, just by way wurtzel that weighed 118 pounds, a cabbage penetrate, and filled up with small stone as a inconvenient in cultivation, and in passing of preventing much watering. A North win-head of 53 pounds, a turnip of 26 pounds, a foundation for the wall. This may be neces- from one part of the farm to another; and, last- dow, or still better one Northeast or Northwest sweet potato of 15 pounds, a carrot of 10 ly, are unsightly, even in their best state. A is the best place for the seedlings during the pounds, an onion of 47 ounces, and a pumpface soil he removed and the bottom stones of farm cut up into small lots always reminds us Summer months. They must be thinned at kin of 260 pounds. the wall placed on the hard pan, the founda- of the old fashioned bed-quilts which our once to three, and after a week or two, only marks," which Solomon cautions us against them together again. This sewing doubtless should be fastened loosely to the stick await-turned in the shape of a variety of palms, exposed as they are to the weather, and more of industry, but it is not worth while to ravel a pair of sharp-pointed scissors. The little for free distribution. This is a movement of

vegetable matter in the soil, has led to the de- sake of being industrious. If we must cut up pinehed at the point, as soon as they begin to aud it was thought for a time that in iron wire tate our grandmothers in making the lots into or four months the little shortened branches we had found a cheap and permanent substi- squares, and not into trapeziums and other tute for the post and board, and the unsightly inconvenient forms, such as Euclid never leaves, however, are rather precious at first, crooked rail fences. The experiments thus far dreamed of, and a common surveyor is puz- as helping greatly to advance the growth and led to describe.

May, 1867.

# Morticulture.

#### 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 every passing day in working among plants and watching the growth of shrubs, and trees, and plants, and to observe the opening of flowers, from week to week, as the season advances? Then, how much it adds to the enjoyment, to know that your own hands have planted and tilled them, and have pruned and trained them. This is a pleasure that requires no great riches nor profound knowledge. The humble cottage of the laboring poor, not less than their grounds, may be adorned with pot plants, which in due time will become redolent of rich perfume, not less than radiaut with beauty; thus ministeriug to the love of the beautiful in nature,

The wife and daughter who loves home, aud would seek ever to make it the best place for husband and brother, is willing to forego some gossiping morning calls, for the sake of having 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 in the abstraet, and the other in the conerete, each as essential to the enjoyment of the other, as are the real and ideal in human 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 What we desire especially to call attention moruing air, are freshness and heauty of temper, vigor of mind, and purity of heart. Consequently she is more cheerful and lovely up their farms into small lots. Lumber was as a daughter, more dignified and womanly as

Hence the fruits and products of garden pared with the benefits secured in regard to enjoyment, amid such a world as ours. A ing. 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, the latter wives in prospect, neglect the gar-

### TREE MIGNONETTE.

A FEW seeds of the large-flowered Mignongrandmothers used to piece up, and so fond one should be left. A little earthing up is exwere they of the little triangles, squares and tremely useful, as the young plants seem Sandwich Islands. A few months ago a colpentagons, that they would sometimes cut up somehow apt to get twisted round. As soon lection of California plants was sent to Honowhole cloth into little pieces, and then sew as one stem is tall enough to require tying, it lulu, and recently the compliment was reserved a good purpose in keeping our mothers ing it. And from the first every appearance mangoes, bannanas, alligator pear, ratan and and aunts out of mischief, and inducing habits of flower buds should be at once cut out with illies and other flowers, sent to San Frauciseo

make a second pair of leaves. And after three may be themselves by degrees cut off. The to feed the plaut.

On a Summer's evening the plants may he watered thoroughly overhead with a fine hose or syringe, and if preserved from the frost or damp and kept in a light place, 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 once well trained, and are very useful from their Winter flowering.-London Gardener's Monthly.

#### SULPHURING TREES.

ALL homeopathists 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 beneficial effect 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 manifested new activity of vegetation. The olive tree is equally benefited by this treatment.

It is probable that many other plants, especially those whose maladies are due to the prescnce 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 constitutes the standard treatment), would be saved from carly decay by this remedy; and those florists who would find a serious difficulty in getting up before sunrise to wait upon their plants, may he glad to know that after sunset is a moment equally propitious.

CULTURE OF THE ROSE.—There is no flowering shrub or plant requires manuring so much as the rose, which produces such a large quantity of flowers that the soil withiu reach of the roots soon becomes exhausted of those ingredieuts which are necessary for sustaining the health and vigor of the plant. Well-rotculture, as they relate to woman, when viewed ted cow manure is hest for the rose, and as objectively, are but small, relatively, as com- the plant is a gross feeder, a liberal supply will be required. Moderate root pruning has a herself, as the center of social refinement and very good effect in conjunction with manur-

> THE BLACK KNOT, -It your trees are iufested with this pest, cut them down, and ask your neighbors to do the same. It requires some nerve to do it, but there is no other alternative. A single case may be removed with the knife, but if they are abundant, better attack them at once. You will only he vexed by seeing a new crop in tenfold numbers if you delay the operation, however hard it may

Among the large vegetables on record grown

CALIFORNIA is exchanging plants with the



FARM LANDS IN CALIFORNIA.—Land is plenty and cheap in California. The government offers sixty acres as a gift to every man who will live on and cultivate it for four years, or it will sell him land at \$1 25 per acre and he can live ou it or not, as he pleases. There are thousands of acres of fertile soil within a hundred miles of San Francisco, waiting for men to accept them as gifts. The abundance 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 Want of facilities for getting to market has delayed the settlement of the agricultural sections of the State, but the construction of railroads will remove this obstacle, and it is believed very soon.







#### THE FARMER.

Tue farmer is lord of the cattle; The farmer is king of the soil; Though his brow may be darkened by sunlight, It is hands may be browned by his toll.

He looks o'er his fields and his orchards. With joy, when his day's work is o'er, For he knows the seed planted in Spring time. In Summer will yield a rich store.

He sees God in nature around him; The flower that blooms on the plain, Though dying in Winter-in Sum Will blossom in beauty again.

The corn that is dropped in the furrow, By sunshine expands into hirth— lts rich ears of gold in the Autumn. Add heauty and grandeur to earth

The grass that is withered and dying, The trees, though now leafless and hare, Will spring into life and new verdure, Which proves immortality there.

The seed that is sown by the wayside, Takes root in the soil that surrounds it, And starts into ilfe while we sleep.

Nothing is lost, or is wasted, That lies 'neath the richly turned sod: The " seed time and harvest shall fail not," If you trust in the promise of God.

"By the sweat of thy brow shalt thou labor," Though weary, faint not, but endure—A crown of the faithful awalts thee,
For God and Ills promise is sure.

# General Miscellany.

#### WASHING WOOL IN GERMANY.

GERMAN wool is equally quoted as the standard for clearness as well as fineness. 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 Aleruth, in Hungary,-The process of washing is done under the roof, and, accordingly, no sudden or rainy weather can interfere with it. Before the shower bath is administered to the sheep, their dirt and pitch has been dissolved or loosened. For this purpose a soaking vat is put up, which is covered and tightly put together of strong plank or boards. It is filled with hot water, equal to eighty four degrees Fahrenheit; the sbeep are then placed in two lines and constantly handled until the yolk and dirt are dissolved, which ordinarily takes from fifteen to twenty minutes. The solvent effects of hot water are increased by adding a few pounds of potash, and also by the lyc arising from the natural oily matter of the wool. The sheep, being well soaked, are placed under shelter, where they have to wait their turn of the shower hatb, in order that the animal, now so much heated, may not pass immediately from the hot soaking vat into the shower hatb, this being from sixty-one to sixty-three degrees Fahrenheit. The water is let upon the sheep through a hole, with a strainer upon the end. It falls with considerable velocity, and is brought to bear upon all parts of the sbeep until the wool is of a snowy whiteness. The sheep are then driven to a warm, dry shelter and shorn as soon as the wool is dry, generally about the sixth day. On an average, forty sheep are thus washed in an hour."

A FARMER Wrote as follows to a distinuished scientific agriculturist, to whom he felt under obligations for introducing a variety of swine: "Respected sir—I went yesterday to the cattle show. I found several pigs of your species. There was a great variety of hogs, and I was astonished at not seeing you there."

THE inventor of the Bessemer process of converting pig iron directly into steel, enjoys an income of half a million a year.

truth and love; therefore it stoops with a special emphasis of compassion to the lowliest of earth.

#### THE CHAMELEON.

ITS CHANGES OF COLOR AND MANNER OF TAKING FOOD.

Mr. Couch, an English naturalist, had excellent opportunities for observing the changes of color and modes of taking food in the chameleon. The one in his possession measured ten inches in length, of which the tail was four and a half inches. Its eyes were hlack and lively, and the pupil deeply seated in a hole searcely larger than would be made with a pin. The movement of each eye was independent of the opposite, and they were rarely directed at one object except when the ereature was intent on seizing prey. The movements were very slow and deliberate, especially when on the ground. Its color was subject to continual change, but if a creature that rarely retains the same hue for ten minutes together can be said to possess one which may he termed its own, it was dusky brown, or almost black, nearly approaching to the darkness of soot. The light was of more importance to it than the heat, and when hasking in the sun, even the mouth was opened to receive the influence. A dingy black was its common color when thus enjoying itself. 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 altogether yellow, a hook was held so as to east a space on the anterior part of the body, while a candle was held within 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 visible. The general 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 seize them as fast as children would bring them; and 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 was found to be six inches-or rather more than the length of its hody. The fly would adhere to the tongue by means of a tenacious mucous with which it was covered. On the approach of cold weather its activity was greatly lessened, and it slept a greater portion of the time. The sunshine would always reanimate it, hut artificial heat produced little effect. Its color was varied, and when at last it was found dead, the general hue of its surface was

Mr. Nordenskiold, the distinguished Swedish geologist, announces a discovery of bituminous gneiss, a real organic substance formed of the remains of plants or animals, imbedded in layers of gneiss and micha schist. He considered infiltration impossible in the case, and the inference is that organic life existed ou the earth far back in what has hitberto been considered the azoic age. Thus the savans keep upturning their own foundations,

A FRANK MAN .- The most agreeable of all companions is a simple, frank man, without any high pretensions to an oppressive greatness; one who loves life, and understands the use of it; obliging alike at all hours; above all, of a golden temper, auct steadfast as an anchor. For such a one we gladly exchange the greatest genius, the most brilliant wit, the profoundest thinker.

A YANKEE captain was caught in the jaws Christianity was horn in the beaven of of a whale, but was finally rescued, badly while in that situation he replied: "I thought he would make about forty barrels."

#### BEES IN BRETAGNE, FRANCE.

BEES occupy a prominent and important position in the household in Bretagne, where they are regarded and treated as memhers of the family. All interesting occurrences 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 searf. When a marriage engagement is made, the fact is announced in like manner, the lady conducting her betrothed to the apiary, and presenting him to each colony. On the wedding day each hive is decorated with erimson trappings; and, on the following morning, the bridal-wreath is suspended on the stock which 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 prove 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 iuterest 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 immediately 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 crapc is removed, and the crimson trappings sub-

The origin of these singular eustoms is unknown. Probably they arose from a regard to the great value and importance of bee-culture in the district, especially of Lower Bretagne. The immense plains there covered with blooming heather at the proper season, supply the hees with inexhaustible pasturage, and thousands of hives are seen there every Summer, without the guardianship of any superintendent. Yet robbing or theft is altogether unknown there.—Bee Journal.

### CHICORY.

At no time in the history of this plant, has it played 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 bread crust, which browned, are converted iuto much of the "East India," "Rio," and other hrauds of "coffee" found at the grocer's, that flavor so essential to the good reputation of all these several imitations of Mocha. Chicory is a perennial plant in its native localities, growing wild in various parts of Europe. It is hardy, and thrives well upon feeble and light soils. It is cultivated extensively in Europe for cattle food, and especially for its root, which is used as the substitute for coffee. For the purpose of soiling, it is classed as among the most valuable and remunerative erops. The leaves are highly useful for sheep and swinc, and are eaten with avidity by neat cattle, although some writers cousider that they impart an unpleasant flavor to the milk of cows. In Lombardy and the South of France, chicory constitutes a large proportion of their choicest meadows, and is described as imparting to them a most brilliant aspect by its gorgeous and luxuriant vegetation. The bearing and manner of the Emperor, and in a plant grows to a gigantic size, and yields an yoice so like his, that it made every one present immense harvest of bighly nutritious fodder start, said: for both soiling and haying. When intended for grazing or hay, chicory should be sown early in the Spring. The plants are allowed to stand until they attain their perfect growth, but should be cut previous to flowering, and treated in the curing like any other succulent vegetable. Chicory is the plant earnestly recommended many years ago by Arthur Young, to the Euglish farmers, for introducwounded. On being asked what he thought tion to their hushandry in reference to its valuable qualities for grazing. We believe, tinoff was too glad to pocket the money and bowever, that its cultivation in England is escape so well.

quite limited. Chicory is cultivated in Flanders and Germany for the root, and it is for this culture that it is especially valuable in this country to-day. In this culture it is planted iu drills, with the rows a foot or eighteen inches apart, and the plants at thinning being left with a space of about six inches between. About four pounds of seed are required for an aere. In this tillage the land should he plowed or trenches dug, and be rich and mellow. A strong and heavy soil is the most favorable for the production of roots. Chieory requires very similar treatment to the carrot or parsnip. In appearance the root is not unlike the latter vegetable. It commonly grows from one to two feet in height, although its filaments penetrate much deeper. The roots should be taken up in September, when they will have reached the size of a small earrot. They are cut into pieces and dried in a kilu, and are then ready for market. When intended for use they are roasted and ground. The roots of chicory are also used in the manufacture of beer as a suhstitute for hops. They contain a strong bitter which may be extracted by infusion. The majority of the chicory sold in this country is imported; indeed, it is possible that about all the ehicory now being incorporated into the pea mixture in order to impart the "Old Government Java" flavor, is of foreign growth, and we call the attention of our farmers to the fact that the erop will pay well, if properly attended to.

#### IMITATING AN EMPEROR.

THE following anecdote exhibits the late Emperor of Russia iu a new character, as well as records one of the most happy escapes from an awkward positiou that wit and presence of mind might afford:

Some years ago there was a celebrated comic actor at St. Petershurg, named Martinoff. He had the most extraordinary powers of imitation, and was so great a favorite with the puhlic as sometimes to venture interpolations of his own, instead of following the advice of Hamlet to bis players, "to speak no more than is set down for them."

The Emperor had a high chamberlain, or person filling a similar office, named Po-

Whether for fun or malice, Martinoff, while performing, contrived to let fly some puns against this great man, which were warmly received by the audicuce.

The consequence was, as soon as the play was over, the actor found himself in the custody of a guard of soldiers, who took him to prison, where he was told he was to be confined for a fortnight.

Not content with this, Poloffsky either told the Emperor himself, or contrived that it should come to his cars, that the player had actually bad the presumption to indulge in imitations of his imperial majesty.

On his liberation, Martinoff went to court, to pay his respects as usual, and 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 now. We know you can do so if you choose."

This was an awkward and dangerous posiion for the poor actor, who felt he should get into trouble for falling short or overdoing the

Still the autocrat was determined, and there was no escape.

Suddenly a bright thought struck the actor, and drawing himself up, he assumed the exact

"Poloffsky, give Martinoff (himself) a thousand silver roubles!

"Stop!" said the Emperor. "I have heard quite chough. The imitation is admirable, but the entertainment promises to be too expensive. Give him the roubles, Poloffsky; and now mind, sir, let this he the last time you ever dare to mimic me, bere or else where."

It is, of course, unnecessary to say that Mar-



Save the Soap Subs.—"I say now that arc is a wicked waste, neighbor Flandry?" "What! uncle Enoch? Dunno as I quite understand ye." "Wby, throwin' out and wastin' that way, all them soap suds the way your gals there is doin." "What is soap suds worth, uncle Enoch?" "Bout a hundred dollars, what your folks'll make 'tween now and spring. Ourn was worth more'n that last winter." "Why, what in natur do you do with soap suds to make 'em worth that, uncle Enoch?" "We save every mite of our suds and dish water for the garden and truck patch, splashin' it over the ground 'bout once a week all Winter. It's good for gooseberries and currants, and kills a powerful lot of hugs, and beetles, and pesky worms, and fattens the ground more'n a hundred dollars' worth besides."—Saturday Evening Post.







# Grape Eulture.

#### SKETCH OF THE HOCKHEIMER VINEYARDS

THE following interesting sketch is taken Industry in the year 1866":-

NASHAWAUG, WEST KILLINGLY, June 18, 1866. MY DEAR SIR:-

the opportunity of doing what I long since proposed to you, as a matter of general interest to wine-growers, and as an aet of just acknowledgment to the very gentlemanly proprietor of the "Victoria Hockheimer Vineyards." And although more time has elapsed since the exercise of his courtesy, and my recital of it, than I intended or anticipated, and the draft upon my memory may not be as fully met and honored as I could wish, yet you are well aware of this being my first leisnre moment, and will sustain my appeal for any omissions or inaccuracies being gently regarded.

On the 20th of October last, accompanied by the Consul General of the United States at Frankfort-on-the-Main, Hon. Wm. Walton Murphy and Dr. Lacy of California, I left Frankfort for Mayence, (about two hours ride per rail-way,) to meet by appointment, Mr. Henry Pabstmann of Mainz, in a visit to Hockbeim, on the east bank of the Rhine, and nearly opposite the city of the proprietor's residence. It was intended, (as was afterwards ascertained by our host's generous and delicate hospitality,) that the ladies of our several guests should have been of the party, but only one of them, "homeward bound," accompanied us, and from motives of propriety, declined to interfere with the otherwise strictly male gathering. We met at the vineyard, Mr. Chr. Ad. Kupferberg, an extensively and honorably known merchant of Mayence. The vineyards were about a mile south of the village, and situated most favorably upon the western slope of the hill forming the river bank. At the entrance of the vineyard, large wooden thbs were placed, having east iron fluted rollers over them, for the purpose of crnshing the grapes (but not the seed) to pnlp, as they were bronght in the peculiar wooden vessels, so universal upon the continent for carrying bnrdens, strapped over the shoulders of the carriers, male and female. As soon as a tub is filled, it is taken immediately to the press to preserve the freshness of flavor and quantity of juice. Entering by steps the enclosure, the vintagers-women neatly dressed and attractive iu person-were observed, stooping over the vines, as the grapes were most skillfully cut in bunches and placed carefully in small baskets, (containing perhaps a halfpeck) flat and round, to prevent the bruising or crushing of the fruit. Onr approach being observed, a peculiar song or shout of welcome greeted us, and girls bearing baskets of the most luscious fruit, eame to us, wiping our boots with grape leaves, and offering with cheerful smiles the tempting grapes. A small douccur to each was given, that no jealousy or rivalry might be caused; and the same consideration in taking fruit from all, was observed, although two or three of them were prettier and more attractive thau others. This ceremony over, we came to the vintagers, and were impressed with their appearance of cheerkeep away the birds, and possibly to remind cents), during the vintage season, and the except the natural effect of atmosphere, rethe baskets were filled, they were emptied into seven to thirty-four cents). During the fruit New York dealer who was in urgent need of at the entrance. Great care in selecting the day and night, discharging fire-arms to pre- natural effect, put mustard seed into the casks,

largest quantity of rich, saccharine matter. times in September, generally in October, and supposed knowledge and qualifications on the The second quality are those bunches which has been in December, regulated entirely by part of its visitors, we came to the banquet have had the most exposure to the snn. And the character of the seasons and maturity of the third, those having less, and more imper- the fruit. From the first vineyards of our most cloquently the loss to our fair friends and Society for the encouragement of Domestic the less for considered gentlemanly host, we went to a more favorite our host's intended delicate compliment and the best for eating. The wine grape is the and celebrated one, called "Victoria" in small, yellowish brown fruit, almost transparent in its perfection. The vines are planted late Mr. Pabstmann, senior, with her presence dessert. Five kinds of his choicest wines, the in regular rows, fonr feet wide and eighteen and patronage, in commemoration of which, A long, dull, rainy day in the country offers inches apart. Three buds or shoots are set out, and the two most thrifty selected for cul-time of her visits in 1851 and 1854, by the tivation. They are trained npon stakes about road side. As we walked we came to one of four feet high; weeded or dressed five times those primitive customs, to which reference is in a season. Two branches on each vine, of made in the Bible. Two half-grown boys or the previous year's growth, are selected for young men, with heavy soled boots were bearing, the others being removed. Mr. Pabst- crnshing the grapes (brought from poorer mann's vineyards are monuments to his father's and to his own patient, persevering effort and skill. The soil is prepared four feet deep by trenching successively the whole field, using freely of fertilizers with the soil, (that from the cows being considered the best,) and top dressing six inches with clay. The vines are considered as being at maturity and bearing in the fourth year's growth. They are planted by making holes with an irou rod, nearly as deep as the soil has been prepared.

The manner of placing them so as to ensure the most suulight is regulated by the overseer or proprietor, wbo places his stakes at the half bour past meridian, in order to observe the falling of the shadow, and selecting the opposite as the best exposure for the viue. The value of any year's vintage is regulated by the quality of the grape and not by the productiveness. The value of the wine being from five and a half florins per dozen (\$2.33), to seven, eight, and ten florins per bottle, (\$2.97 and \$4.25 per bottle), and this fact shows the absurdity of supposing any given bed, and the roots of the old vines had formed wine to be of uniform value or quality. The almost a net-work over it as they had sought poorest of all may be as legitimately "Hock- its moistnre but could not peuetrate it. Au heimer," costing twenty-five cents per bottle, as the Victoria Hockheimer of Mr. Pabstmann worth four and a half and five dollars the bottle. In fact, notwithstanding this gentleman's high reputation for integrity and veracity, he that it is a reproach to their sex that it can be has been (and I think is now), subjected to an used, as he has a full "physique," is young, onerous expense and difficulty in defending a intelligent, refined and courteous. Our first suit brought against him by the United States inspection was of the press-room where the Government, through the Collector of San fresh pulp from the vineyards was constantly Francisco, for destroying the customs revenue. being brought. An ingenious machine for He shipped to San Francisco, in 1865, ten thousand bottles of his wines, invoiced at 5½ florins per dozen, which was the price at which he wire screen (like a coal-screen), turning upon had sold large quantities of the same at home, mer," but still Hockheimer wine. He paid dropped in revolving, by passing over a starseven thousand florius dnties and expenses, gear, and jostling the stems through the wires, making the cost of the shipment about twelve thousand florins (\$5000), or fifty cents per bottle. Some sagacions connoisseur hearing of it, and having probably paid three and four dollars per hottle for his Hockheimer, immediately announced the fact and supposed entered them hy a stone stair-way some fifteen fraud, and the result has been a most aggra- steps down, and found them large, airy, well vated and expensive litigation to Mr. Pabstmann in making the statement of the facts temperature. There were two hundred casks, and defending his reputation, which as he remarked, "was of more value to him than any vintage of his choicest wines." So much for with the most exact scrupulousness. Upon a the connoiseurs of imported wines!

The average yield of a vineyard is not far from 1500 bottles per German aker or morgew of forty thousand square feet, (equal to about place for Hockheimer connoiseurs. As to any fulness and intelligence. The fruit is most thirty-nine thousand square feet English). ability on our part of tasting, or expressing an oitly cut close to the vine, by a long, thin, The average return of profit on the capital opinion it were worse than folly. But we obsharp knife, and handled with extreme care. employed is from three to four per cent. an- served Mr. Kupferberg, mine host, and his Any that is defective is not gathered until the nually on the viutages of ten successive years. principal agent and taster, referring more frebest is collected. During the gathering, the The pay of the overseer of every ten akers is quently to the aroma or fragrance, than to vintager's songs lighten the labor, and are pe- about twenty-five florins per aker yearly, the taste, which they characterized as being culiar in composition and melody. The over- (about \$100), and no perquisites. The women "smooth, rough, bottle-taste, etc." No artiseer constantly discharged a carbine pistol, to receive twenty-four kreutzers per day (sixteen ficial fermentation is adopted; no clarifying us of his presence and position, of which we wages of the laborers in preparing a vineyard pose, and extreme care in bottling. Mr. would otherwise have been indifferent. As from forty to fifty kreutzers per day, (twenty- Pabstmann related an amusing anecdote of a the tub-like appendage on the back of the at- growing seasons the Communes support a some wines. He purchased some of him of tendants, and carried to the crusbing rollers requisite number of guards, who are on duty ordinary quality, and without waiting for grapes by the vintagers is necessary, as on each vent the depredations of birds and robbins. shipped it home and astonished his friends and the earliest varieties of American grapes will wine there may be three different qualities and Without this precaution I was assured the Mr. P. by bis advertisement of his "sparkling grow and ripen anywhere along the river after values of fruit. The first and most rare is the vield of the vineyards would not be worth Hockheimer."

dried, brown, raisin-like fruit, containing the the gathering. The vintage season is somehonor of Queen Victoria, who honored the a tastcful stone monument was erected at the vineyards), in a large tnb, by constant tramping, literally treading ont of the wine-press. In the bottom of the tnh were square holes tbrough which the pnlp was forced into others below, and the process was incessant so long as the supply lasted, or muscle did not fail. This Victoria vineyard is receiving the most careful and scientific treatment from Mr. Pabstmann. New modes of cultivation, preparation of soil, use of different fertilizers, crusbiug rollers, presses, and everything connected with the highest perfection of production and quantity is receiving his unremitting attention; and, as he remarked, "his ambition was not the accumulation of wealth, but a reputation for skill and success that should challenge competition or rivalry."

Returning by the Duke of Nassau's properties (vineyards), to another of more recent purchase, but of ancient use, which our host was preparing, the mode of preparation was shown to us by trenching and filling as before described. The subsoil was a compact clayeasy walk brought ns to the bachelor establishment of mine host. And as the expressiou may not be devoid of interest to many of your fair friends, it may be remarked "in passing" separating the pulp from the stems was worked by haud. It was a long cone-like a shaft, in an ohliquely horizontal position, the wine not heing the "Victoria Hockhei- the small end or bearing being raised and the pulp passing out of the smaller end, being shovelled in at the upper and larger. There were four large four-inch screw lever presses of ordinary form and make. The wine vaults were our next objects of inspection, and we arched ventilated apartments of an agreeable of a capacity each of fifteen hundred bottles; each one marked, numbered and registered long table were samples of twenty-three of these casks, in fine clear glasses, awaiting our examinatiou and criticism. Here was the

Emerging from this subterranean hall of room where the fruits and flowers expressed extreme disappointment. "The bill of fare" was one of luxuries in fish, meats, game and rarest of others, and cordials, including the most recherche of all stimulants, the "Legure" from a French monastery, tempted the temperauce proclivities of your correspondent most sorely, and but for coffee, "the deponent further saith not!" Last of the feast, roasted ehestnuts and new wine from the press were brought in, as our host informed us that it would be considered a signal breach of etiquette if these were ever omitted in the offering to guests during the vintage season in every wine district.

At the table our national affairs received the liveliest discussion and warmest sympathy, and the German heart, here as everywhere, beat in strongest pulsations of love and loyalty to the principles of our noble Institutions and Republic; and if ever treason appeared deeper dyed in infamy it was when its demon-like nature and action was portrayed by foreign

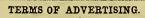
Dinner over, we wended our way to the railway station for Castel, opposite Mayence, with the most delightful reminiscences of a "well spent day." Mr. Pabstmann subsequently informed me that he had purchased the product of the garrison stables of four hundred cavalry horses at the cost of forty kreutzers per day, and was also interested in the formation of a company for collecting the night-soil aud sewerage of the city Mayence, in iron tanks for subsequent composting and use. These eircumstances prove my comments npon his iudnstry, perseverance and skill, and justify the sincere wish for his most thorough and trinmphant success.

Here I must leave Mr. Pabstmann and his Victoria Hockheimer. I sball reserve an aeeount of Mr. Kupferberg and his sparkling Hock and Moselle for the recurrence of other leisure moments, and I shall be less surprised to hear of your effort to avert another rainy day, than I am at my present presumptuous intrnsion of so much matter upon your time and attention. Your consolation is, that I shall not probably visit any other vineyards immediately; my apology is, pen, ink, and paper available, in the country, dnring a thirtysix hours South-east storm.

With assurances of esteem, I am, Very respectfully yours, ELISHA DYER. Hon. W. R. Staples, Secy. R. I. Soey. E. D. I., Providence, R. I.

QUALITY OF GRAPES.—Mr. R. G. Pardee, a successful grape grower, considers the Delaware grape decidedly superior to all others iu agreeable richness and flavor, melting pulp, and acceptableness for the table. The Iona he places next on his list, considering it superior to the Diana or Catawba. The Diana eomes third in order, followed by the Israella. The latter he considered the most sugary and tender fleshed of the black grapes, ripening about three weeks before the Isabella, superior in flavor to it and to the Hartford Prolific. The fifth on his list is the Concord, although in point of flavor it will not bear criticism. The Rebecca, Anna and Allen's Hybrid he considers delicious white grapes. However, to critically judge the quality of grapes requires a very nice discrimination, and taste and success of culture varies. Other grapegrowers would present another list, claiming to be as able to judge as Mr. Pardee.

Hon. Lewis F. Allen has published a series of articles in the Buffalo Express, showing up the capabilities of Grand Island and the banks of Niagara river for grape culture. He thinks reaching a point six miles north of Buffalo.



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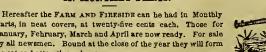
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# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MAY 18, 1867.

AGRICULTURE feeds as; to a great extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### INDIAN CORN.

The corn crop is by far the most valuable one grown in this country. It is cultivated over a larger extent of territory, thrives well under various degrees of latitude and returns more money to the agricultural community than any other cereal. How important, then, that the land on which it is cultivated be mechanically and chemically prepared-draining and sub-soiling-deep, thoroughly ploughing-abundance of manure; then the seed put in at the right time, in a proper manner, and the after culture timely and thorough.

The Spring has been late, but a seasonable time for corn planting in the Middle and New England States, is from the tenth to the twenty-fifth of the present month. There is nothing gained by planting this crop before the soil is warmed up; before the temperature is sufficient to make the seed germinate rapidly. The source of heat is from the sun; aud no soil will absorb much solar heat when saturated with water. Hence, there is nothing gained in planting corn before evaporation has carried off the Spring rains, and the temperature of the soil is sufficient to expand and germinate vegetable seed. But when the paleontologist, with three collectors and laborseason is reasonably advanced, and the land is dry and warm, get in your corn without delay. Late planting makes late harvesting; and as there are only one hundred, to one hundred the terne coal measures. Careful search is to and twenty days between Spring and Autumn frosts, "delays are dangerous."

We shall not give special directions in planting this crop, as our journal is not an agricultural nursery sheet, (like some of the poinpous agricultural monthlies), but a paper intended for mature and full-grown farmers; men of experience and judgment; yeomen who understand the practical art of agriculture, but are never too full of knowledge to reject "timely hints." We have said one of the most important things in planting corn is thorough ploughing. No true farmer will dispute this. Corn roots extend over a large surface, and will seek food from all portions of the soil broken by the plough. Again, many seasons are subject to droughts, and that, generally, is at the time when the ears are maturing. A safe-guard against drought, is a well drained soil, sub-soil ploughing and frequent culture of the growing crop.

We prefer the inverted sod, Spring ploughed, if a dry, mellow soil. If a stiff clay land, we should have ploughed it last Fall, so that the Winter frosts could aid in breaking it up; giving it time for the sod to rot and mingle with the soil. Some grass lands are very tenacious-such as the blue grass, on limestone land in the Middle States. On alluvial ploughed land in New England, or on most loose soils which contain considerable organic matter, Spring ploughing answers, and generally need not be broken up much before the fact no soil can be made too mellow nor be kept too mellow during the growth of the crop.

As to the hest way to apply manure, there is a great diversity of opinion. It is impossible to give instructions applicable to all sections. A great deal depends on the land cultivated; a fertile soil will do well with surface manuring; more cold, sterile land requires some stimulant in the hills - ashes, the surface—also acts on the growing crop good flesh as cattle that are fed on hay.

sooner-but whether manure is buried three or six inches below the surface, makes but little difference on naturally warm and well cultivated soil. Corn roots will find all fertilizers, at either depth, long before harvest.

As to modes of planting, we are firmly in favor 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 feet 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 absorption of the manure and plant-food are thus equalized. Besides, the cultivation of the crop is made more perfect, the soil is broken, stirred and pulverised around every side of 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 plough or horse harrow running in one direction alone.

#### GEOLOGICAL EXAMINATION OF NEBRASKA.

The Commissioner of the General Laud Office, has, with the sanctiou of the Department 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, authorized by the second section of the act approved March 2, 1867. Dr. Hayden's party will consist of himself and assistant, who is also a ers. That part of the State lying south of the Platte river will be examined first, from the fact of its being occupied by the limestones of be made 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 following extract is made from the Commissioner's instructions: "The State being chiefly a farming country, your attention is invited to an examinatiou of its soils, subsoils, and their adaptability to particular crops, and the best method of preserving and increasing their fertility; and as a large portion of Nebraska is deficient in timber, the introduction of suitable 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 having been previously believed that the horse had not existed here in

"I WENT by the field of the slothful, and by the vineyard of the man void of nnderstanding, and lo! it was all grown over with thorns, and nettles had covered the face thereof, and the stone wall thereof was broken down.

It would appear that there were slothful farmers in Scriptural times also. Farms 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 time of planting. But remember this great his occupation may be questioned, if he neglects to give it that reasonable attention necessary 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.

FEERING DISEASED POTATOES. - Opinions seem to differ in reference to feeding diseased potatoes to stock. Some claim that the effects poudrette or super-phosphate, in addition to are of the most injurious character, while stable manure. In surface manuring, experi- others deny this to be the case. Wm. B. Merence teaches these facts. If manure is spread ry says, in the Maine Farmer, that he fed four on a light, sandy, or loamy soil, we should hundred bushels of rotten potatoes to his cattle

#### ROTATION OF CROPS.

A CORRESPONDENT inquires of us:-"On what principle is the rotation of crops founded, what are the benefits of such rotation, and answer these questions fully and thoroughly would 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 render elaborateuess unnecessary, if pos-

1. Rotation is founded upon the correctly ascertained principle that different classes of crops require different proportions of the various substances which are indigenous to soils, or which abound in the various fertilizers applied 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 manures. It is believed that the grain crops carry off the largest part of the phosphates; but there will yet remain in the manure considerable quantities of other substances, 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 is enough lime, etc., left in the soil to warrant a good crop of hay.

2. The benefit is found in the abundant yield of the several species of crops and the saving of manures; or, in other words, the most advantageous consumption by each successive crop of all the means for its growth within its reach. Rotation also tends to husbanding the resources of the soil, and insures the destruetion of obnoxious weeds and insects. A field cropped with wheat for successive years becomes worn out for that particular grain, and troublesome weeds, chess and red root, &c., increase in provoking abundance. Pastures left unplowed for a number of years become luxuriant with buttereups and ox-eye daisies. A disproportion of Spring crops facilitates the spread of the wild mustard, &c., and the increase of grubs, wire-worms, etc. Rotation is unmistakably a valuable auxiliary to clean

3. The system of rotation is simple, evidently is founded upon natural laws, and requires no additional expenditure or labor; it costs no more to cultivate crops which are made to succeed each other judiciously, than to cultivate those arranged in the worst manner possible. It is impossible for us to state which system of rotation is the best, or to recommend any particular system. That must be determined by experience in each section of country, under the various circumstances of climate, soil, location of soil, and value of crops. The one prominent thing to be remembered is, that there are several distinct classes of crops, considered with reference to the substances which they take from the soil, and that these classes of crops should bear a part in every system of rotation. The principal of these are grain crops, root crops, and grass crops.

NEW YORK SHEEP EXHIBITION. - A correspondent, who visited the Empire State annual Sheep and Wool Fair, at Auburn, last week, informs us that the exhibition was slimly attended—probably on account of the extreme iuclemency of the weather. There were two hundred pens erected for stock; but not one half were occupied. However, there were some fine flocks, and many of the leading sheep breeders of the State were present. Among the prominent bucks were "Dew Drop," valued at \$5,000; "Blucher" at \$10,000 and "Kilpatrick," whose owner, it was stated, refused for him \$12,000 in gold! People who own this kind of stock, must have a thorough contempt for common sheep and paper money.

COLONEL JAMES GLEASON, of Pennsylvania, turn it in deeper than on a naturally moist or last Winter, giving them nothing elsc but has been appointed general superintendent of the saw-dust on the snow, in Winter, and this wet soil. Manure decomposes sooner near wheat straw. He declares them to be in as the experimental farm by Commissioner New- has a tendency to keep the trees back, out of ton of the Agricultural Bureau.

#### CROP PROSPECTS.

From an extensive correspondence, embracing all the New England, the Middle and three of the Southern States, we have flattering indiwhich is the best system of rotation?" To eations of more than an average prospect for fruit this year. If buds, blossoms and young fruit are evidences of plenty, we are safe to state that up to the middle of May, the prospect was never more encouraging. The past Winter, with its great quantity of snow, proteeted the roots of fruit trees; and the late Spring has kept back the flow of sap, and thus prevented the too early inflorescence of the trees. We know it is rather unsafe to predicate fruit crops in May; for there are late frosts, severe winds and storms, and even Summer droughts to intervene before fruit is matured, or ready for market.

> From New Jersey, Delaware and Maryland -the two latter the great peach-growing territories of the Middle States, (which supply that sectiou, and also New England), we have reliable information of good prospective crops. The frost of the 3d inst., did some damage, but not material. Strawberries, raspberries, and similar small fruit, were not sufficiently advanced to be injured. Apricots, although of limited culture, promise well. Pears and apples, from all sections, give promise of abundance. The average of our correspondence is five for "good prospects," to one of "iudifferent," or "slim chances." On the whole, we conclude the average indications are better thau most years, for fruit.

> The wheat fields never looked better. Not that every field looks well, but our information is decidedly favorable, extending over a territory comprising fourteen States. The agricultural press at the West, (from which we have no private information), corroborate former 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 just coming up. All these cereals have much to contend with, in the form of insects and weather, before harvest. Consequently, it will not be safe to base our calculations on the aggregate yield of these crops at present. But general indications and prospects are favorable. The high price of grain, the past year, has stimulated farmers to sow more than the usual number of acres; hence it will be safe, uuless the Summer is remarkably unpropitious, to promise generous crops of fruits and cercals

# THE FAIR AT CRANSTON.

THE Fourth Annual Fair of the New England Agricultural Society will be held on the grounds of the Narragansett Park Association, at Cranston, near Providence, on the 3d, 4th, 5th and 6th days of September. Arrange. ments have been made with the various Railroad Companies to run their cars, containing stock, &c., directly to the Fair grounds. A number of the most celebrated horses in the country will compete for the premiums, which amount to nearly ten thousand dollars. The track is that projected and laid out by Col-Amasa Sprague, and is pronounced by the best of judges to be in all respects superior to any track in the country. Five thousand persons can be seated under cover; the stable room on the grounds is commodious and airy, and an ample supply of pure spring water will be provided for every department.

TAMPA, Florida, must be an excellent place to go to market in. The people recently opened a new meat market, at which the quotations for beef were: Fore quarters, 5 cents a pound; roasts, 7 cents; beefsteak, 9 cents.

TA member of the Ocean County (New Jersey), Fruit Grower's Club, says he has experimented with saw-dust as a mulching for peach trees, and finds it valuable. He spreads the way of early frosts.



America no Place for Fools.—In a lecture lately delivered before the London Farmers' Club, Mr. James Howard, the well-known 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, intelligence 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 chance to exist. If the United States were crowded as England is, the population would be nearly a thousand millions. In reply, however, to the question whether he thought large and opulent 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 APPLE TREE IN THE LANE.

1T stood close by where on leathern hinge
The gate swung hack from the grassy lane, When the cows came home when the dusky eve Its mantle threw o'er hill and plain; Its branches, knotty and gnarled by time, Waved to and fro in the idle breeze, When the Spring days wove a blushing crown Of blossoms bright for the apple trees.

Its shadow fell o'er the crystal stream, That all the long, bright Summer days, Like a silver thread 'mid the waving grass, Reflected back the golden rays Of the noon-day sun, that madly strove To drink the fount of the brooklet dry But the light clouds showered tear-drops down Till the glad brook laughed as it glided by.

Never were the apples half so sweet, Golden russets striped with red, As those that fell on the yielding turf When shook the hranches overhead. A trysting place for youthful friends Was the apple tree in the days of yore, And oft we've sat heneath its shade, And talked bright dreams of the future o'er.

And when the warm October snn Shone on the maple's scarlet robe, We gathered apples sound and fair, And round as our own mystic globe The dark pines rise above the plain— But the one we prize far more than they, The apple tree in the pasture lane.

Long years have passed, and cows no more Come home at night through the grassy lane Where the gate swung hack on leathern hinge I stand and gaze on the far off plain. No more we list to the music low Of the crystal stream as it ripples on, And the apple tree in the pasture lane Is but a dream of the days bygone,

# Fireside Tale.

#### KITTY ELLIOT.

BY M. O. JOHNSON.

"CHARLIE, Charlie! the Swiss Bell-ringers are to perform this evening. I have been longiug for you to come home to tell you about it.'

With this greeting, little Kitty Elliot, the wife of a year, sprang to meet her husband. 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 in childlitood, in loug curls around her neck.

"There is the bill, Charlie," she said, as she tossed it across the dining table. "I heard she was doing wrong, grew still more vivid. them when they were here while I was a little Suppose she should take cold? She would not girl. Of course I don't recollect much about believe it—but it might be possible; suppose it, but I know I was pleased. And you see it she should? She might be very sick-she must be much hetter now, with their new bells and long practice. Then those dear little chil- innocent, helpless babe-her faithful, affectiondreu in costumes! They surely will look very ate husband? pretty indeed. Oh, Charlie! I do long to see and hear them!"

for the first time erossed her mind-

"Caunot we go? You know bahy always sleeps all the evening, and mother is never bet-

ter pleased than when she has the care of her." far it has been enti
"All that I know," Charlie answered; "but main unchanged?" I 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 would not be prudent for you, darling!"

"Oh, Charlie! I am perfectly well. It could not do me any harm. I can wrap up as i on the infant hrow, her resolution was formed. much as you please. Don't he so very particu- She threw aside her wrappings, and bounded lar."

"I think Charlie is right, dear," said Mrs. Elliot.' "I would gladly take care of baby, if such as she had never before seen there. She it were safe for you to go; but you could glided to his side, and clasping her arms around out of a warm hall, after sitting with your thiugs on."

"Wait, Kitty, and think it over by yourself this afternoou," 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 fully-"I could not afford to risk losing you, husband found her, when he came home to tea, imy little beauty."

still eager to attend the concert, and confident she should not take cold.

The little wife was not without good prineiples, aud 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. She would not wilfully persist in wrong when she saw it as such; but at times, as in the present instance, her impulses bliuded her judgment.

At tea, she waited for Charlie or his mother to revert to the concert; but they did not, and she again nrged the subject, though with some emharrassment aud a heightened color. The weather was even more unpleasant than at

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 settled conviction that it would be very imprudent for you to go. I shall not command you-I hope never to do that. If you go, I shall attend 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 she thought, perfectly well. This Charlie knew; and he 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 in his carc, so patient with another's weakness.

It was in vain that Kitty said to herself-"I can go well enough; it will not hart me; and when Charlie secs 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 about her heart that she could not throw off. She commenced the "wrapping np" she had spoken of, trying to convince herself, as sue went on, of the impossibility of taking cold; hut she became more and more uneasy. A consciousness that might die; and what then of her babe-her

"Have I a right to risk all this?" she asked herself, "for the pleasure of an evening? And Charlic made no reply. His silence, and the even if I escape a cold, this will be the first serious expression of his face did not quite suit step in a dangerous path—that of acting in op-Kitty, and she asked anxiously, a doubt having position to my husband. Will the enjoyment be worth its cost? Shall I not lessen his confidence in me? I prize that confidence beyond the wealth of worlds; and I know that thus far it has been entire. Can this affection re-

Sbe turned and bent over her sleeping child. As she rested her hand on the little crib, the gleaming gold of her marriage ring caught her experiments. If it were pleasant, the case eye, and the thought of all her husband's love would be somewhat different; but the wind is and kindness, interwoven with every hour cast, the atmosphere very damp, and there is since that emblem first encircled her finger, every appearance of a storm coming on. It swept over her with a mighty influence. How eould she give him so much pain?

As the young mother silently pressed her lips down stairs. Her hushand was standing before the fire, with a look of sadness in his face, pered-"Charlie, forgive me!-I will stay at his trousers.

He pressed her to his heart, and lifting her face, smoothed hack the curls from her brow,

repentant feeling, and gratitude that she had heen withdrawn from what she truly termed a dangerous path." In after years, the incident was not forgotten, nor its lesson disregarded. -Arthur's Home Magazine.

# Miscellany.

#### A SWARM OF BEES ON A MAN'S FACE.

A Correspondent of the London Field gives the following interesting narrative:

In June, 1854, Mr. Simmonds, a farmer residing at Brookland Farm, Weybridge, was dressing in order to attend the rent audit at Woburn House. Before putting on his coat, he perceived from his window an nnusually large swarm of becs, filling 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 the air. He rau out in his shirt sleeves, and without his hat, to see where they would alight. 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, namely, that of throwing dust into the air among This often makes them settle the bees. quickly. They did settle quickly, and this more so than he expected, for in a short time the whole of one of the largest swarms he had ever seen, settled upon his head, face and breast. They hung down in front like a great beard to the bottom of his waistcoat. Had he not been well accustomed to bees, and perfectly collected, his situation would have been a very dangerous one; for, had he at all irritated this mass of armed insects, he would no doubt have received a sufficient 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 their entering his nostrils, which they endeavored to do, he slowly thrust one hand through the mass, and with his two fore-fingers managed to keep drawing aud pushing them away from his nostrils as they tried to enter, he breathing all the while as softly as possible. This was necessary, as bees are generally irritated by being breathed upon.

He then began to consider what course he should take. . He was some distance from his house, and uo oue near him, or within call. His first thought was to walk slowly into the river Wey, and gently sink his head under the water, and then throw off the swarm. But a moment's consideration dissuaded him from that attempted remedy. He could not have disengaged them all, for many were hetween bis neckcloth and his skin, and still more were crawling down his back. He found that if he walked he could not help disturbing the hanging mass, and that every little agitation, however slight, caused a hum aud a hiss from some thousands. He then remembered the account given in Thorley's work on bees of a swarm 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 with a hive well smeared with honey. To avoid agitating the swarm, Mr. Simmonds slowly knelt down on the grass and remained hees were gathering in a mass under the waistband of his trousers, in the hollow of his back, to which spot the others were drawing, indi--rendered tighter whenever he breathedmight crush, or at any rate irritate this part of

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 Or would it lift it? In the end, the little filand kissed away the tears that glistened on her forty hives, from which he could usually levy hert lifted the mill stone, and in 1863 wore it eyelashes, saying tenderly, though half play- what spoils he pleasad, killing his thousands like a erinoline about its trunk, and Mr. Waat his pleasure with a brimstone match, was tertown used to sit upon it under the branchnow completely in the power of one detach-ling shades.—English Paper.

That night, Kitty's prayer was offered with 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 which he was about fifty yards. It fortunately happened that 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 extended as if for help, and something odd hanging from his face, sounded his whistle. This was heard by Mr. Simmond's wife, who, supposing that some cow was ill, sent her son and a farming man out into the fields. They soon found Mr. Simmonds in the predicament above described. In addition to the hanging mass, there was a cloud of bees still flying around him, so that to approach 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 were 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 neck and hack was immi-

> The most difficult part he had to perform, however, was that 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 few minutes that elapsed hefore the return of his son and servant seemed a terribly long period to Mr. Simmonds, as during the whole of it he remained as motionless as possible on his

> On their arrival, the hive was placed on three bricks, with its mouth downward, and Mr. Simmonds slowly laid himself ou his breast on the grass, with his head close to the bive. The houey soon attracted the bees nearest to it, aud a slow movement of 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 disengaged from his dress with his hand, and made them join their companions. Mr. Simmonds thus escaped from not only 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 TREE. - Walton Hall had at one time its own coru mill, and when that inconvenient necessity no longer existed, the mill stone was laid by in an orehard and forgotten. The diameter of this perfectly still. He then found a number of circular stone measured five feet, while its depth averaged seven inches throughout; its central hole had a diameter of eleven inches. By mere accident some bird or squirrel had cating that the queen was there. Fcaring dropped the fruit of the filhert tree through therefore, that the tightness of the waistband this hole on the earth, and in 1812 the seedling was seen rising up through that unwonted channel. As its trunk gradually grew through scarcely avoid taking cold, especially in coming his neck, hid her face in his boson, and whis- the swarm, he slowly unhuttoned the front of this aperture and increased, its power to raise the ponderous mass of stone was speculated upon by many. Would the filhert tree die in the attempt? Would it burst the mill stone?



NEW FIRE ARMS.—It is announced that the new French cannon, the construction of which is snpposed to he a profound secret, can be fired 40 or 50 times a minute. It carries with accuracy 2000 yards, and is so light that two men can easily lift it. France is partial to breach-loading cannons, hut England is discarding them. England is experimenting with needle guns, hut her delay in deciding, whilst other European nations are rapidly arming with breech-loaders, is complained of by the London newspapers. The Chassepot rifle, the new weapon 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 penetrating power. It can fire 60 rounds without becoming overheated; it discharges 12 balls a minute, and is lighter than the ordinary infantry musket.





# The Farm and Fireside.

# The Farm and Garden.

#### AGRICULTURAL ITEMS.

THE Ponghkeepsie Eagle says reports from the interior of Dutchess county intimate that the fruit crop will be prolific.

Butter is selling in Bnffalo at from twentyfive 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

The Illinois Legislature has passed a law imposing a penalty of \$400 for the bringing of Canada thistle seed into that State.

The Department of Agriculture is now engaged in sending seeds to the South, in accordance with the recent law transferring \$50,000 of the fund for the Freedmen's Bnrcan to aid in relieving the destitution of seeds of all descriptions in the Southern States. The distribntion will be made through the regnlar correspondents of the department in the various sections of the country. Requests by individuals for small pareels of the seeds will be promptly attended to. This distribution will be productive of much benefit to the Sonth.

In Russia horses are chiefly bought and sold at great horse-fairs, which are held annually in various parts of the country. There are every year 380 of these fairs, at which the number of animals sold is estimated at 263,000.

J. Harris says, in his "Walks and Talks," that while it is true that improved breeds of cattle will not do so well on very little food as will the "natives," it is also trne that the "natives" will not stand high feeding as well as the improved breeds. Those who want to feed high so as to get a large quantity of rich milk must get cows with a good share of improved blood.

The wool clip in the United States in 1866, amounted 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 mannfacturing 170,000,000 pounds of clean material.

A fatal sheep disease prevails in Iowa. Post mortem examinations reveal parasites in the stomachs of the sheep.

Dr. Ayer, of Lowell, advertises choice Alderney cows for sale. He should keep none but the Ayer-sbire.

AGRICULTURE IN NEW JERSEY .- A Writer refers to the wonderful effect of the little volume entitled Ten Acres Enough, written by a Jerseyman, in inducing emlgration to that country, 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 tracts, 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 that 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 eventually 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 culture, and the growing wants of an increasingly populous country must certainly some day demand it.

MASSACHUSETTS AGRICULTURAL COLLEGE. -The trustces of the Agricultural College at Amherst have voted to erect at once a president's honse, at a cost of \$16,000, and the two botanical buildings will cost \$13,000. Eight acres of the farm have been underdrained, and will be prepared for the botauical gardens. This season about 25 acres of eorn and potatoes will be planted, and the oats have already been sown on 22 acres.

NEW HAMPSHIRE 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,-

ARE THE SALTS OF MANUEL LOST BY FILTRA-TION?-Prof. Way says, as the result of his patient experiments, that salts of ammonia will not filtrate through elay; but that much of this fertilizer in solntion will escape through a silicions sand. This might induce 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 shower, nndoubtedly loses some of its nascent ammonia, which passes off from the loose surface in the form of gas, but when in solution the soil retains it for the use of plants.

PERMANENT MEADOWS.—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 of mannre, and had 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 relied for the invigoration of the land subjected to this continued process of hay cropping.

The Detroit Post has news from nearly all the State of Michigan concerning the grain and frnit crop, which, with but slight variation, is favorable. It says: "From all quarters the good condition of the wheat is noted, and hopes of an abundant barvest and a consequent decline from the present enormous price of wheat and flonr, may be indulged in with very much confidence."

Soot as a Fertilizer.—Every occupant bas soot at command, whose presence in stovepipes, or chimneys is, not nnfrequently, the cause of fires, occasioning the loss sometimes of both property and life. This agent for evil is one of the most valuable mannres, and nothing but the most culpable carclessness and indifference will suffer it to remain a standing menace to life and property, when it can be easily removed and turned to good account in the field or garden. Twelve quarts of soot in a hogshead of water will make a powerful liquid 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 than it does now in New Hampshire, and the same is true of all the New England States. There will be a large hay crop if the season continues favorable.

Loss of Cattle by the Crevasses.-It is estimated that not less than five thousand cattle, besides sheep and hogs, have been drowned in the Mississippi and Atchafalaya

We are surprised to see children wearing shoes with ragged boles at the toes—wasting their parents' money and endanger-ling their bealth, when for n trifle more, shoes with copper Tips, or the new and beautiful silver Tips, can be had which never wear out at at the toes, thus preveating these two serious evils.—IN. Y. Post.

# Marriages.

In this town, May 1st, by Rev. D. M. Crane, Mr. John M. Metcalf to Miss Lizzie H. Bright, both of Franklin, Mass., also, May 3d, Mr. Albert Frankling Ward, to Miss Sarab R. Williams, both of Wooasocket.

\* Ia Providence, May 14th, by Rev. Heman Lincoln, Mr. William H. Britton, of Worcester, to Della R., daughter of Willard Thayer, of Bellingbam.

Ia Worcester, May 11, Edwia Taft of Milford to Miss Sarab L. Hadley, of Upton.

In Webster, May 6tb, Ocorge Moore to Ellen Paul.

In Thompson, Ct., May 1st, Charles A. Howard of Worcester, Mass., to Lucinda Davis, of Thompson.

# Deaths.

In Slatersville, the 4th inst., Albert M., only child of Albert and Maria E. Hyer, aged 15 years, 11 months and 10 days. In New England Village, May 11, Mrs. Elvira M. Saow, aged 57 years.

In Webster, April 30, Mrs. Rosaaa Wood, aged 31 years

In Oxford, April 28tb, Charles Ball, aged 19 years.

In Milford, May 7, Levi Smith.
In Etna, Mlacesota, 31st of March, Ansel P., son of Dea.
Ansel Holmaa, la the 21st year of bis age.—[Corrected.

# The Markets.

#### WOONSOCKET RETAIL MARKET.

[For the week cading May 17, 1867.] FARM PRODUCTS, FULL, &c. 

MEATS. &c.

#### BRIGHTON CATTLE MARKET.

May 15, 1867.

At market for the current week: Cattle, 1242: Sheep and Lambs 2484. Swine, 2457.

PRIOES. Beef Cattle—Extra, \$14.50@ \$15.00; first quality, \$13.25@\$14.00; second quality, \$12.50@\$13.00; third quality, \$11.00@\$12.25 \$100 fbs (the total weight of bides, tailow and dressed base).

ressed heef.)
Country Hides, 9@10c 岩 th. Country Tallow 6%@7c 岩 th.
Brighton Hides, 10@10%c. 碧 th.; Brighton Tallow, 7%@8c
g th.

th. Lamb Skins, 50c each; Wool Sheep Skins, \$225@250. Calf Skins, 20@22c #8 h. Sheared Sheep Skins, 25c each. There is not a large supply of Beeves in market, but enough rithe demand. Prices remain about the same as they were

last week.
Working Oxea—Saies at \$175 to \$300 per pair. But a few pairs in market.
Milch Cows—Sales extra at \$80a110; ordinary \$60@\$75.—
Store Cows \$48a5.
Sbeep and Lambs.—The supply is small. Most of the West-era were taken at a commission. Sales at \$600 c \$\frac{1}{2}\$ lb. Swine—Wholesale, \$\frac{1}{2}\ll (8 \frac{1}{2}\ll (16 \frac

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

Flour has continued to arrive very sparingly, and low grades have advanced from fifty to seventy-five cents a barrel, with still an upward tendency. High grades are commandiag from \$18 to \$21,50 a barrel, higher prices than have been known beretofore. This bas greatly restricted sales, which are estimated to he from 40 to 50 per cent below the average. Corn meal has been offered more freely, and with n moderate demand prices bave declined and favor the buyer at the close.

close.

Rye flour, on the contrary, has been in active demand at much bigher prices. The advance is from fifty to sixty cents a barrel.

Wheat has fluctuated somewhat, though at the close prices are higher. The stock of Winter wheat is almost exbausted. Current prices are higher than ever before obtained in this market, as follows: \$3,50 to 3,75 for white Michigan or Californian.

aian.

Rye has improved under a firm demand, closing firmer at \$1,65 to 1,70 for Western, and \$1,75 for Canadiau and State. Oats have been in active demand, partly speculative. Prices have advanced from three to four ceals a bushel, closing tame at the improvement.

Corn has been offered very freely. Arrivals from the South and West hy rall have been unusually large. Prices are ten to twelve cents lower, and nominal at the close. The stock of new is accumulating.

Beef bas ruled firm, with a steady demand.

# Advertisements.

# POUTH ANNUAL FAIR OF THE

### NEW ENGLAND AGRICULTURAL SOCIETY,

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GROUNDS OF THE NARRAGANSETT PARK ASSOCIATION,

CRANSTON, sear PROVIDENCE, R. I.,

# On Tuesday, Wednesday, Thursday and Friday,

SEPTEMBER 3d, 4tb, 5th and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

# 810,000.

Arrangements have been made with the various Railroad Companies, to run their Cars, coataining Stock, &c., directly to the Fair Grounds.

There are ample accommodations within the grounds for Horses and Live Stock, and one of the best Mile Tracks for fast

Horse-and Live Stock, and one of the best Mile Tracks for fast time in the world.

A large number of the most celebrated borses in the country bave been promised as competitors for the very liberal premiums that will be infered, and the best breeders of full blood cattle and horses have determined to make this the finest and most extensive exhibition of Live Stock that has ever been held in New England.

A detailed Programme of Premiums, &c., will be distributed in an early day.

GEO. B. LORING, of Salem, | WILLIAM SPRAGUE, of So

President,
DANIEL NEEDHAM, of Boston, Secretary,
of the N. E. Agricultural Soc'y.

### THE NARRAGANSETT PARK,

which has been projected and laid out by Col. AMASA STRAGUE, is an enclosure of about eighty acres of land, heautifully located in Cranston, near PROVIDENCE, R. 1., and accessible botb by Steam and Horse Cars. The grounds are surrounded by a substantial and ornamental fence, twelve feet high. THE ORAND STAND

IS unsurpassed in architectural beauty, by any structure for similar purposes. It is about three buadred and fifty feet in length, and contains Drawing Rooms for both Ladies and Gentlemen; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Chib Rooms; and accommodation, UNDER GOVER, for seating over live thousand permodation, UNDER GOVER, for seating over live thousand permodation and the live of the l

# THE STABLES.

Forty commodious and airy stables have already been erected, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in precess of completion. WATER.

An ample supply of pure Spring Water will be provided for every department, and the best of bay, grain, &c., for feeding

### THE TRACK

has been constructed on the most improved plans, under the supervision of skilled engineers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best indges to be in all respects superior to any track in the

### Great American Tea Company,

### THE IMMENSE PROFITS

OF THE

## TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY hecame fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these caormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American honses, leaving out of the account entirely the profits of the Chinese

actors.

1st. The American House in China or Japan makes large profits on their sales or skipments—and some of the richest redried merchants in this country bave made their immense fortunes through their bonses in China.

2d. The Banker makes large profits upon the foreign exchange used in the purchase of Teas.

3d. The largorter makes a profit of 30 to 50 per cent in many rases.

ases. 4th. On its arrival it is sold by the cargo, and the Purchaser ells to the Speculator in invoices of 1,000 to 2,000 packages, at

4th. On its arrival it is soid by the cargo, and the l'urchaser tells to the Speculator in Involces of 1,000 to 2,000 packages, at an average profit of about 10 per cent.

5th. The Speculator sells to the Wholesale Tea Dealer In lines at a profit of 10 to 15 per cent.

6th. The Wholesale Tea Dealer sells it in the Wholesale Grocer in lots in suit the trade, at a profit of sbont 10 per cent.

7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.

8th. The Retailer sells it to the Consumer for all the profit he can cet.

an get.
When you have added to these KIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show wby we can seil sn

very much lower than small dealers. We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in China and Japan, one cartage, and a small profit to ourselves-which, on our large sales, will amply pay us.

Through our system of supplying Clubs throughout the counry, consumers in all parts of the United States on receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Warebouses in this city.

Some parties inquire of us bow they shall proceed to get up a The answer is simply this: Let each person wishing to join in n club say bow much tea or coffee he wants, and select the kind and price from our Price List, as published in the paper or is our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us hy mail and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be an confusion in their distribution-each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafta on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount order. ed exceeds thirty dollars, we will, if desired, send the goods by Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as ilberal as we can afford. We send no complimeatory package for Clubs less than \$30.

Parties getting their Teas from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company bave selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

PRICE LIST:
YOUNG HYSON (Green), 50c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.
GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 \$7 lb.
MIXED, 70c., 50c., 90c., best \$1 38 lb.
JAPAN, \$1, \$1 10, bast \$1 25 \$7 lb.
OOLONG (Black), 70c., 80c., 90c., best \$1 \$7 lb.
IMPERIAL (Green), best \$1 25 \$7 lb.
ENGLISH BREAKFAST (Black), 80c., 90c., \$1, \$1 10, best, \$1 29 lb.

\$1 20 73 lb. GUNPOWDER (Green), \$1 25, hest, \$1 50.

These Tens are chosen for their intrinsic worth, keeping in mind bealth, economy, and a high degree of pleasure in drink-

ing them.

Our Blacks and Green Mixed Teas will give universal satisaction, and suit all tastes, being composed of the best Feo-Chow Blacks and Moyune Greens. English Brenkfast Is not recommended, excepting to those who bare acquired a taste for that kind of Tea, although it is the flacest imported.

Customers can save from 50c. to \$1 per ib by purchasing their

#### THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH.

Post-Offico Box Nn. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 30c., 25c., best 40c. per round. Hotels, Saloons, Boarding-house keepers, and families who ase large quantities of Coffee, can conomize in that article by using our i rench Breakfast and Dinner Coffee, which we sell nt the low price of 50c. per pound, and warrant to give perfect satisfaction. Club Orders.

ASHINGTON, Pa., Nov. 10, 1866.

WASHINGTON, Pa., Nov. 10, 1866.
To the Great Americaa Tea Company,
Nos. 31 and 33 Vesey.st., New-York.
Geats: I forward you my fourth order and could have
doubled it if 1 had collected any, as your Teas take the lead in
the market, we feel it a saving of \$1 per pound. Please accept
my thanks for the complimentary package. Address by Express, Martin Luther, Washington, Pa.

MARTIN LUTHER.

3	MARII	CLUXH	ER.
10 th Young	g Hyson, in pound packagesat &	1 259	12 50
5 th Young		1 25	6 50
1 2 th Young	Hysonlleary Herrickat 1	25	2 50
2 th Youa	g Hysoa George Murphy at 1	25	2 50
	g HysoaE. Dyeat	25	1 25
2 th Youa	liysonSamuel Deckerat	25	2 60
	HysoaSamuel Amonat	25	1 25
	g llyson Heary Wheatley at l	25	I 25
	g HysonMorgan llayesat	25	8 75
	HysonJoha Natteaat		2 50
		25	5 00
		25	2 50
		25	10 00
	g. best Miss Stuart at I	00	2 00
	g HysoaO. Baylandat 1	25	2 50
	g, best(). Baylandat 1	00	2 00
	g HysonJ. Richlelnat 1	25	2 50
	HysonAr. Guytonat 1	25	2 50
2 th Youn	g llysonEdward Murpbyat 1	25	2 50
2 th Vous	g llysoa Mrs Murphyat I	25	2 50
5 th Oolon	g, bestHenry Hallat 1	00	5 00
= 9 th Colon	g, bestSeparate packageat I		2 00
5 th Groun	d Coffee Separate package at	25	1 75
Z O ID OLLOUR	id concernably burget backersen in me	DO: +1 +	A 10

We call special notice to the fact that oar Vesey-st. Store is at Nos. 31 and 33 Vesey-st., corner of Church-st.—LARGE DOUBLE STORE.



RAIN.—What makes it rain? Rain is caused by two or more clouds of unequal temperature uniting into one. A quantity of air at the temperature of 32 degrees weighing one hundred and sixty pounds, contains one pound of moisture or water. At 59 degrees it holds two pounds; and at 86 degrees four pounds. One hundred and sixty pounds at 32 degrees uniting with one hundred and sixty pounds at 86 degrees, would form a mass of three hundred and twenty pounds, whose temperature would be 59 degrees and which would contain five pounds of water. But three hundred and twenty pounds at 59 degrees will hold only four pounds; therefore one pound of it must fall to the earth in the form of rain.





# The Field.

#### HOED CROPS AND LABOR.

HOED crops are the most costly in labor of any which the farmer grows. Therefore they should be the most profitable. The greatest difficulty which the farmer in this country has to contend with, in order to make his business profitable, is the price of labor. And as he is obliged to hestow a great deal of this ou his hoed crops, he should take care, hy judicious шанадешенt 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 and important of this class of products. One rule which will apply to both, which the wise farmer will act upon, is to obtain as large a yield as possible from each acrc planted, This will diminish the amount of labor in proportiou to the product obtained. Every bushel will therefore cost less than when the yield is small. 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 remuuerative disposal that can be made of the corn crop. Hence good breeds, ample shelter, and proper care are indispensable adjuncts. In short, if labor has cost you too much, resolve to plaut less ground, but raise more per acre. This can easily be done if you will only set about it. Next, determine that your coru shall produce more pounds of meat per bushel than heretofore. This you can accomplish by a timely and judicious selection of improved breeds of stock, and more skill employed in handling them. No farmer should be satisfied if he cauuot improve every year ou his past unethods. Thought and energy applied 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 no farmer can persist long in growing it largely without impoverishing his land. On account of their hulk potatoes cannot be grown profitably a great distance from market. On the right sort of land, and near market, they usually produce a good deal of money per acre; and potato growers should devote part of the proceeds of the crop towards the purchasing of manure to renovate the land, Plaut less, mauure more, and your labor will hring greater profit. Potato growers, being near the lines of transportation, could convey manures to their land cheaply.—Rural New

# INFLUENCE OF SILICA ON THE "LODGING" OF GRAIN.

YEARS ago it was shown hy chemical analysis that the straw of the cereal grasses, and particularly wheat straw, contains a very considerable quantity of silica. Since the plants thus rich in silica are exceedingly hard, stiff aud rigid, it was a not unnatural inference that quite generally received that it is from lack of head of him whose heart is glad. silica iu its stalk that the spear of grain is weak and liable to fall down.

readily assimilable condition.

The distinguished French agricultural chemist, Pierri, has recently subjected the whole adventure the billet falleth again." question to the test of experiment. He finds that the ideas and hypotheses above mentioned are not borne out by facts. As the result of numerous analyses, he finds that of the differcut parts of the wheat plant the leaves contaiu far more silica than the smooth portions of the stalk, and the stalk much more than paratively poor in silica, in spite of their ap- i opinions he had contracted in the former.

parent hardness. In equal weights, the leaves contain seven or eight times as much silica as 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 the stiffness and rigidity are most necessary. If, then, silicated manures he offered to the wheat plant, the larger portion of the assimilated silica will accumulate in the leaves and not in the stalk; and, as a consequence of this excessive development of the leaves, it follows naturally that grain highly charged with silica, might fall down and lodge, while grain exposed to similar conditions, but less rich in silica, might stand firm and suffer no

It has long been noticed that, other things being equal, those samples of grain of which the leaves arc 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 enervated stalk is forced to carry an excessive load, which presents a great surface to the crushing pressure of rain and wind. On the other hand, it is notorious that the wheat grown upon poor land rarely lodges, and the explanation of this fact is evidently that, iu the absence of vigorous leaves, the stalks, besides having no great load to carry, become hardened by the action of sun and air.

The practical lesson suggested by these experiments is that, in order to prevent the lodging of grain, the farmer must, for the present at least, look rather to the improved methods of sowing, by means of which light and 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 Raised for us with great care. 200 Barrels dry ground Bone for Manure, together with all kinds of Farm Implements and may perhaps be found to induce 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 system in the measurement of graiu, and proposes a national convention of the authorized hodies to settle the difference.

# Miscellany.

CHEERFUL WORK.—One of the most valuable, and one of the most infectious examples which can he set before the young is that of cheerful working. Cheerfulness gives clasticity to the spirit. Spectres fly before it; difficulties cause no despair, for they are encountered with hope, and the mind acquires that happy disposition to improve opportunities which rarely fails of success. The fervent spirit is always a healthy and happy spirit, working cheerfully itself and stimulating others to work. It confers a dignity on even the the strength of the wheat plant was likely to most ordinary occupations. The most effectbe nearly proportional to the amount of silica ive work, also, is always the full hearted work, contained iu it. The opinion was, in fact, that which passes through the hands or the

A CAPTAIN of a vessel, who professed himself The suggestion has been thrown out that a Quaker, being insulted by one of his crew, grain might he prevented from lodging by said: "Friend I will not strike thee, nor kick dressing the soil with some one of the soluble thee; but (holding a handspike over his head) preparations of silica, and so furnishing to the I will let this billet of wood fall on thee," and growing plant the supposed desideratum in a let the handspike fall ou his head, which knocked him in the scupper. "Now, frieud, if thou art content, go uuto thy duty; per-

> THE wings of a guat flap 900,000 times in a minute, to produce the sound that heralds

THE latter part of a wise man's life is takeu the knobs or joints, which prove to be com- up in curing the follies, prejudices and false

# Advertising Bepartment.

### Rhode Island.

W E. BARRETT & CO.,

Manufacturers of

MEAD'S PATENT CONICAL PLOWS,

SHARE'S HORSE HOES, WOOD'S AND WIGHT'S PLOWS GARDEN BARROWS.

CHASE'S TWO HORSE POTATOE DIGGERS STORE TRUCKS.

IMPROVED HINGED HARROWS, CULTIVATORS,

ROAD SORAPERS, OX YOKES, AND PLOW CASTINGS; And Wholesale Dealers in

Hoes, Shovels, Axes, Scytbes, Forks, Snatbes, Cradles, Horse Forks, Hand and Horse Rakes, Hay Cutters, Corn Shellers, Vegetahle Cutters, Picks, Bars. Canal Barrows, Sugar Mills, Grindstones, Plain or Complete;

And Agents for

KNIFFEN'S, UNION AND PERRY'S MOWING MACHINES.

Wbitcomb's Patent Horse Rake, and the best Hay Tedder i the market. Prices low and Terms Cash.

OFFICE, 32 CANAL STREET,

March 23, 1867.

W. E. BARRETT & CO., PROVIDENCE, R.I

GARDEN SEEDS,

Manure, together with all kinds of Farm Implements and Machinery.

Send for Circular of Mead's Conical Plows and Share's Horsend don't forget the number,

32 canal street, 32.

March 23, 1867.

PEOVIDENCE, we-tf

SEEDLING POTATOE

COOKE'S RATTLER,

a new and very superior Seedling, grown by Joseph J. Cooke,
Esq., of Cranston, and now offered for sale as the hest LATE
KIND in the market. It is a rusty coated, light red, round,
great yielder; white and perfect inside, and a splendid Table
Potatoe. Price, \$3.00 per hushel. Sold only by
W. E. BARRETT & CO.,
PROVIDENCE, R. I.
14tf

W. E. BARRETT & CO.. Manufacturers of Mead's Patent Conlcal Plows, Sbares' Patent Horse Hoes, Chase's Two Horse Potato Diggers, Lufkin's new Side Hill Plows, Also, dealers in ALL kinds of Farming Tools and Seeds, at 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledge<sub>d</sub> the best in market, are for sale in lots or by single dozen by the Manufacturers' Agents, W. E. BARKETT & CO., <sup>8</sup>, 32 Canal Street, Providence, R.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOMATO SEED can be had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

BARRETT'S EXTRA EARLY CABBAGE,—The best and all largest in the market. Price, 25 cents a paper. Raised and sold by W. E. BARRETT & CO. Providence, Feb. 23, I867.

EXTRA HEAVY PLOWS, for road work and for breaking W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

# Massachusetts.

COLLINS, BLISS & CO.,

PRODUCE AND COMMISSION MERCHANTS.

223 State Street, and I30 Central Street, Boston. New England Agents for the

NONPARIEL FRENCH GUANO.

ket, its virtues and merits over others being to prevent all in-sects and worms from destroying crops of plants, without burning or injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRICE \$60 PER TON.

Send for Circular giving full particulars. March 9, 1867.

# SheepWashTobacco

SCAB, VERMIN AND FOOT

should be used by all Farmers on ANIMALS AND PLANTS

This pure preparation bas been successfully used for years, and never fails to produce the desired effect when used

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool.

It kills TICKS on Sbeep.
It cures SCAB on Sbeep.
It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT

POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

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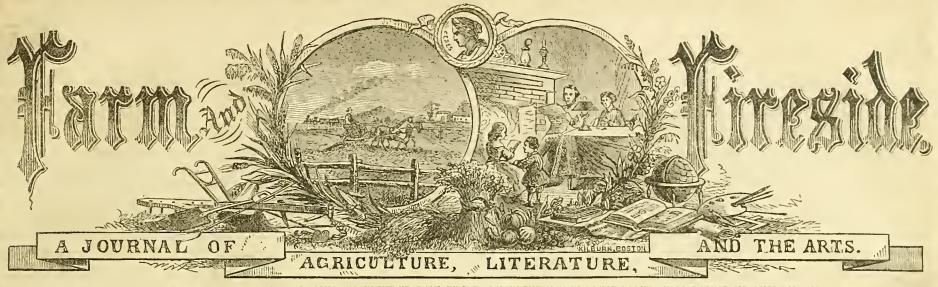
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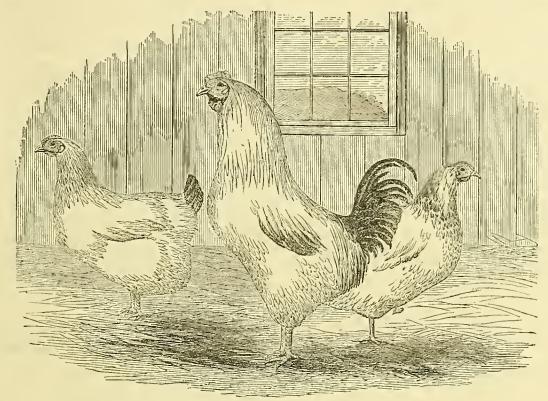
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VOL. 1.

WOONSOCKET, R. 1., SATURDAY, MAY 25, 1867.

NO. 20.



BRAHMA FOWLS.

BRED BY II. G. WHITE, SOUTH FRAMINGHAM, MASS.

This breed of fowls is aeknowledged to be the best for general purposes. They possess size, beauty and hardiness, and are good layers. Plumage light, legs yellow, eggs large, flesh tender.

## ALDERNEY CATTLE.

Written for the Farm and Fireside, BY CRAIG BIDDLE, ESQ., PHILADELPHIA.

The cattle bearing this name come from the islands of Alderney, Guernsey and Jersey. These islands are in the English Channel, very When William the Conqueror gained the Harold, at Hastings, he was Duke of Normandy, in France, and sovereign of that province. The consequence of his becoming breeding. King of England was, that Normaudy formed a part of the British Dominions, and these island, and has a very extensive commerce inficent collection of all the important races, islands on the Norman coast, being part of with all parts of the world. Among its ex- both native and foreign. The following is the William's territory, became English property ports, eattle form a considerable portion, and result at the same time. They have continued so are therefore much better known to jobhers ever since, although when Normandy was than the cattle of the adjacent islands. Great taken by France great efforts were made to eare is taken by the exporters to keep them up obtain them also. They have never lost eut to a certain "fancy" standard in their appeartirely their original language, or changed certain peculiarities in their mode of government, they are sometimes apt to do, they have an inand in their laws derived from their Norman strument for serewing them into a handsome ancestors. Alderney is the smallest island of shape. Then there are certain colors more or the three, not being over eight miles in circum- less fashionable. At one time "mouse" color So that the milk of the Alderucy contains 49 ference, and containing little over a thousand is the prevailing taste; at another, some other parts more of butter than the best cows of the iuhabitants. Jersey is the largest, containing color is in the ascendant. Their heanty has Institute. This analysis was made under the about thirty-nine thousand acres of land, and heen improved undoubtedly, that is, if a gracesixty thousand inhabitants. Guernsey has ful figure, delicate-limbs, and very thin skin is about sixteen thousand acres, with a popula- beauty in a milch cow. The Guernsey peo- hundred different specimens of milk; so that tion in 1852 of thirty thousand.

them, and are known as "Jerseys." This The lines of beauty, in a breed of cattle de- generally of little value. No one, however, change confounds them with the cattle of New isigned to fatten, may be preserved; hat when i can ever have possessed a good Alderuey cow Jersey, and we here retain the original name. you take from milking cattle their large bellies without discovering the superiority of the richthe same origin is a matter of great discussion, i people of Jersey are beginning to see this, i the wonderful stories that are sometimes told and the islanders themselves are so jealous of themselves; for I read in an article written by the merits of their respective cattle that they is gentleman just returned from that island, near to the coast of France, much nearer than would almost believe that there was a different that they are now heeding a larger animal. to England, yet they belong to the latter power. pair from each island put into the Ark, and The peculiarity of this breed of cattle is in kept distinct until landed on their island, the quality of their milk. There have been erown of England hy his victory over King There is a difference in the eattle of each island, but it is readily accounted for by differ- have most convenient was made in France, ence in locality, difference of food and care in and, compared with that of the cattle belong point of richness of cream, with the following

ance. If a heifer's horns grow wild, which ple, not breeding so much for sale, believe that it is doubtless perfectly accurate. This state-Why the cattle should have taken their "handsome is as handsome does." They do ment is more satisfactory than those which we name from the smallest of these islands, which not breed their animals so fine, nor care so ordinarily meet with, which give the amount does not contain a hundred cows, is not very much about points of mere fancy. They have for butter made from certain quantities of the clear. In some of the Eastern States of our been breeding them too fine in very many milk of different cows. It is difficult to make own country, they have been called after the cases in Jersey; and they have all the marks these experiments correctly; so much depends

Whether the cattle of all these islands are of and flat sides you depreciate their value. The

various analyses of this. The one which I ing to "the Agricultural Institution at Ver-Jersey, as we have said, is the principal sailles," which possesses a numerous and mag-

sun :—		
Alderneys,	Cows of	the Institute,
Butter,	S1	32
Azotized matte	r, .36	84
Sagar and salts		
Solid matter,	171	120
Water,	829	
	1000	1,000

direction of the Institute, with great care, and by chemists who had previously analyzed three

ness of her milk. She may not come up to of these cattle, but her cream will make butter richer, quieker, and in larger proportiou thau any other cattle.

Mr. Colemau, in his "Agriculture," in which he gives the result of his European experience, says that at a farm he visited near Liverpool, they had tested the milk of some breeds in

Yorkshire and common cows at 8 per ct. Ayreshire, ......15

In the journal of the Royal Agricultural Society, volume 2nd, page 420, we have the result of a comparison with a Kerry cow, tested with a lactometer :-

May, Alderney,......25 Kerry,......10 66 August, " 16 "

3 quarts of Alderney cream gave one pound, eight ounces of butter-of the Kerry, one pound, four and one-half ounces. The falling off in the Alderney was attributed to her having cast her calf, and being old in milk, while the Kerry was fresh.

These cattle are well adapted to this country. They have been hred in the neighborhood of Philadelphia, continuously, since the year 1840. There had beeu an oceasional importation of a single cow before that period, but at that time, through the efforts of the late Nicholas Biddle, they were brought into general notice. He, and after him, Mr. Philip Physick, were island which exports the largest number of of in and in breeding to an injurious extent, on food, treatment, and honesty, that they are the owners of stock which subsequent impor-



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statements of their yield, in different parts of they drop their calf when two years old, the our country, far exceeds anything ever claimed imilking qualities will be sufficiently developed thirty-six quarts a day, sworn to as the pro- growth. I have delayed their calving until have heard eighteen pounds of butter claimed a much fatter animal, it was obtained at the to have been produced from the milk of one expense of milking qualities. Somewhat, of cow iu one week. Of such I have no experi- course, depends on the calf, it may be so well ence. Col. Le Conteur, the most celebrated grown and thrifty, as to justify a little earlier York Agricultural Society for 1850, says a cow month or so of delay; hut I thiuk as a gen-May, and made eleven pounds and thirteen this locality. ounces of hutter a weck-that some of the cows, he adds, afford twenty quarts of milk, taken into consideration. daily, and ten pounds of butter a week, in the Spring and Summer months. Duncan, in his History of Genessee, says the supposed gencral average that a cow will yield, throughout the year, is one pound of hutter, or eight quarts in cows well kept, is ample. Those who have of milk during tweuty-four hours. In Summer, many instances have occurred in which cows have yielded fifteen pounds of butter a

The cattle from these islands vary, like all others. There are many very good and many quite indifferent. It is therefore not enough that the animal should be an Alderncy cow to make her superior to all others; she should have in addition, the marks characteristic of more important to impress upon cattle than all fine milking stock.

There is no animal which makes a better cross. No dairy farm should be without an Alderney bull. The cross with the good milk- who milks her. All cows will not milk ing stock of the country, makes a most superior animal for dairy purposes. The quality of milk is improved, very often without di- tended by judicious and persistent milking. minishing the quantity.

The same parties who made the analysis, which I have quoted before, also analyzed the sult was as follows:

GRADE OOW.

Butter, Azotized matter, Sugar and salts, Water,	} Solid matter,	78 31 53 838

Thus the cross with the Alderney stock, showed only three parts less of butter than the thorough bred; and forty-six parts more than when three years of age. that of other fine stock.

Mr. John R. Penrose, whose farm is in Chester County, Pa., states in Morris' Rural Register, that a grade Alderney of his, from a mother of uo merit, gave hefore she was two years old, eight and a half pounds of butter teen milkings she made sixteen pounds and one ounce. She was again tried, and with 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 of dairy cattle. Their milk may not be quite so this country. Perhaps, after all, the difference rich as that from the pure animal, but it can between the animals from the three islands dehe very much increased in quantity, so as to pends more on the difference between the indifully make up the difference. In most cases, viduals of the race, than the race itself. That milking stock. The three quarter and seveneighths bred cattle, are often very handsome, island; ou the other hand, if he has Guernsey and cannot be told from the thorough-bred. In fact, they will always take the premium over the thorough-breds among judges acquainted with other stock, but of no experience in this. The fancier of "short horns," or "Devous," or "Herefords," will vote for the cow with the roundest form and handsom-

The Alderneys are extremely precocious. at four or five months old, if allowed to run give the credit to their cows.

tations have not excelled. The climate, with with the herd. You cannot make farmers beseems to suit them perfectly. The published judicious to allow them to calve so young. If them for twenty-seven years. for them at home, I have seen a yield of without interfering injuriously with their duct of an Alderney cow in Maryland, and three years of age, but found that while I had hreeder of Jersey stock on that island, in an i "coming into profit;" or it may from some essay printed in the transactions of the New cause be a little backward, so as to require a of his gave uineteen quarts of milk, daily, in eral rule two years is ahout the right age for MY DEAR SIR:—

They keep in profit many years, I have hest cows give twenty-six quarts of milk in generally found it paid to keep on milking twenty-four hours, and fourteen pounds of them until sixteen years of age. Of course, butter a week, but that such are rare. Good in this ealculation, the value of the calves is

They rarely run dry, hut can be milked from the 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, 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 them. For a fell fed animal, that is, an animal always kept in good condition, which should he the case with milking cattle, a month is quite sufficient. There is no habit that of continuous milking. In many cases the fault of a cow going dry, after five or six months milking, lies at the door of the person equally long; but the length to which any cow will give milk can undoubtedly he ex-An unskillful hand will often dry up a eow by not milking perfectly clean, in an extraordiuary short period. The process of nature is milk of a cow which was a cross with some too exact to allow anything to be wasted, and cattle from "La Vendee," in France. The re- what is not demanded of her soon ceases to be supplied,

The French system of very minute divisions of land prevails in the Channel Islands, and the farms vary in size from one acre up to ten or twelve acres of land. The cattle are not allowed to roam like ours, but are "tethered" to a stake driven into the ground, which is moved as necessity requires. The bulls are kept constantly stabled, and are generally slaughtered

I have, I think, touched upon all the points in regard to these cattle likely to interest the readers of the Farm and Fireside. I have endeavored neither to exaggerate their merits nor to conceal their faults. Of the cattle from the three islands, I, myself, prefer the Guernsey. in seven days. After her second calf, in four- They are very much less known than the Jerseys, which are exported every where by professional dealers, who buy the cheapest aniextra feeding made in seven milkings, or three mals they cau. Many of them are utterly worthless, either for milk, cream or beef .-There are fine eattle in Jersey, and very fine cattle have been imported from that island into the large yield quoted in this country, as from is to say, if one is fortunate enough to have one think they must have the best cows on that 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 of the islands cannot fail to give satisfaction.

Mr. Henry D. Inglis, in his work on the Channel Islands, where he spent two years, says of the Jersey butter, "it is not superior to that of the best English dairies; the superiority of the Guernsey hutter I fully admit. I do not have known them giving milk at one year and know that I have ever seen such butter as is in two weeks old, and at thirteen and fourteen the Guernsey market." This he does not premonths old, repeatedly. In fact, it requires tend to account for, as it may be attributed to great care to prevent their becoming with calf various causes; the Guernsey people of course

What I have said of these cattle, it is per- duced, and in corroboration of which, we the same care given to an ordinary stock, lieve this, yet it generally happens. It is not haps proper to state, is founded upon a trial of tasted liquors of each peculiar flavor; smelt

May, 1867.

# Grape Culture.

WE give additional extracts from the 'Transactions of the Rhode Island Society for the Encouragement of Domestic Industry in the year 1866.":-

### SPARKLING HOCK AND MOSELLE WINES.

NASHAWAUG, WEST KILLINGLY) July 2nd, 1866.

A day's recreation, preparatory to the enjoy ment of the calm, quiet, noiseless (?) celebration of our uational holiday, affords me the opportunity of executing my threatened second intrusion upon your attention, by a coutinuance of the account of the manufacture of the Rhine Wincs. And, for variety sake, I shall send you a German translation of a puhlished account of the cstahlishment of Mr. Chr. Adv. Kupferberg of Mayence. I have not vividly in memory the communication upon Mr. Henry Pabstman's Hockheimer vincyards, etc., but in them, I think, I made reference to Mr. Kupferberg, as being one of the most intelligent, courteous, and highly respectable mcrchants 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, (hesides a large quantity in wood,) of various grades and value, hut none of an inferior quality. His wines have a most extended and honorable reputation; his husiness connections being with almost every country, hut more particularly with England, where he has established a branch of his house. Hc had quite an extended correspondence and traffic with the United States, and mentioned the names of many of the New York merchants, as well as those of the other large eities. In referring to the action of the Collector 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, hy the importers of Champagne wines, justified a suspicion 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 sum of \$1,750,000 for the past six years; the result of which had been the almost total annihilation of the importation of the pure wines of well known and responsible wine growers.

In reference to his own productions, he said his greatest obstacle in the prosecution of his business, was, (as that of his friend and neighbor, 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, and the most inferior qualities were sold properly perhaps, as the wines of those districts, yet were of so inferior value, as to force from the markets the higher and more costly wines of the same localities, but of the most superior qualities and value.

the discussions and experience of these intel-States,) in these transactions of inferior wines by unprincipled meu, through the easy credu-The knowledge and discrimination necessary 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. Engelbach's (at Giessen,) assertion that there was not a fruit whose flavor could not be counterfeited in the lahoratory, nor a flower

of perfumes identical with the most familiar 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 sources 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 epoch, well known by the industry of her citizens, who once counted among their compatriots the benefactor of humanity, John Gutenberg, the iuventor of the prinitng press. At present Mayence is the chief seat in Rhine wine, the most important hranch of which trade, viz: the manufacture of sparkling Hock, has reached a high degree of development in that very town. Whilst but a few score of years ago the preparation of sparkling wine had been monopolized by the French in the Champagne, it is pleasing to see that industry transplanted now to the vinecovered bauks of the Rhine, and to notice the extraordinary impetus which it has acquired in recent times. Among the several larger establishments for the preparation of sparkling 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 Rhine. The picturesque view that terrace presents, renders it oue of the finest points of the Rhenish region. \*

\* \* Here the wine is first fetched up in casks hy means of a large crane, from the depths of the cellars in order to be immediately filled into the bottles, which directly 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; fermentation then gradually takes place in the wine, carhonic gas being formed and uniting with the wine. When this fermentation sets in with violence, the wine bursts its prisou with a loud report, aud woe to the by-standing workman, if he does not wear the customary wire mask at the moments when the fragments of the hroken bottle are hurled into his face. The cellars, that almost form a lahyrinth doubly vaulted one over the other, are provided everywhere with running water and a systematic ventilation, and almost magically lighted with gas.

We may note here still a few facts worthy of remark. After 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 in the expulsion of the sediment through a rapid opening of the hottles. To the wine, thus completely cleared hy this manipulation, there is now added, by the help of a cleverly constructed machine, a new ingredient in the shape of liquor, i. e. a union of sugar dissolved in wine with cognac. This addition is made in such a manner as to agree with the taste of the different countries and the requirements of the various climates. The wine, it is true, is now perfectly prepared in It was not as amusing as instructive to hear the bottle; yet the latter has still to pass hrough many hands before it is iu a fit con Alderney cattle, is due to a cross on some fine or two good cows from Jersey, he is apt to ligent, responsible manufacturers upon the dition for exportation. The workman, with enormous frauds practiced upon communities the aid of a machine which works with great everywhere, (but especially in the United precision, closes the bottles with a cork which hears on the lower side the mark of the wine manufacturer, whilst another workman binds lity of pretended connoisseurs and dealers. it with strings, and a third one fastens it with wire. Other hands provide the bottles with to a recognition and appreciation of the higher tinfoil and labels, wrap it up in paper, and complete its outer appearance. For exportation the bottles are lastly stuck into straw envelopes and packed up in boxes.

ELISHA DYER.

THE best preventive for mildew in grapes is vigorous pruning and cultivation, and the admission of light and air. Exotic grapes are whose fragrance could not be chemically pro- especially liable to attacks of mildew.



"Axe Grinding" is a term borrowed from oue of the most charming stories told by Benjamiu Franklin. A little boy going to school was accosted by a man carrying an axe. The man calls the boy all kinds of pretty and endearing names, and induces him to enter a yard where there is a grindstone. 'Now my pretty little fellow,' says he with the axe, 'only turn the handle and you'll see something pretty.' The boy turns and turns, and the man holds the axe to the stone and pours water over it until the axe is ground. Straightway he turns with stentorian voice and fierce gesture on the hoy: 'You abandoned little miscreant,' he cries, 'what do you'mean by playing truant from school? You deserve a good thrashing. Get you gone, sirah, this instant!' 'And after this,' adds Franklin, 'when anybody flattered me I always thought he had an axe to grind.'





#### UP IN THE BARN.

OLD Farmer Joe steps through the doors As wide to him as gates of Thebes; And thoughtful walks about the floors Whereon are piled his Winter stores, And counts the profits of his glebes.

Ten tons of timothy up there, And four of clover in the hay; Red-top that's cut, well middlin' fair, And bins of roots, oblong and square, To help cke out the crops of hay.

A dozen head of cattle stand Reflective in the leaf-strewn yard; And stalks are stacked on every hand, The latest offerings of the land To labor long maintained and hard.

Cart londs of pumpkins yonder ile The horse is feeding in his stall, The onts are hundled scaffold high, And peas and beans are heaped hard by, As if there was some festival.

At length Old Farmer Joe sits down-He crowds his hat back on his crown. Then clasp his hands-so hard and brown-And, ilke a farmer takes his ease.

"How fast the years do go!" says he; 'It seems, in fact, but yesterday, That in this very harn we three— David, Ezekiel, and me— Pitched in the Summer loads of hay!

Davld-he sails a clipper now: And 'Zekiel died in Mexico-Some one must stay and ride to plow, Gear up the horse, and milk the cow And who, of course, but little Joe.

I might have heen—I can't teil what! Who know about it till he tries I might have settled in some spot, Where money is more easy got; Perhaps heneath Pncific's skies.

I might have preached, ilke Phrson Jones Or got a living at the iaw; I might have gone to Congress sure; I might have kept a Wnter Cure; 1 might have gone and been-oh, pshaw!

Far better is it as 'tls; What future waits him, no man knows: What he has got, that sure, is his; It maked no odds if stocks have riz, Or politicians come to blows!

Content is rich, and somethin' more-I think I have heard somehody say; If it rains it's apt to pour; And I am rich on the harn floor, Where all is mine that I can raise.

I've piowed and mowed this dear old farm, Till not a rod hut what I know I've kept the old folks snug and warm-And fived without a twinge of harm I don't care how the storm might hiow

And on this same old farm I'll stay, And raise my cattle and my corn; Here shall these hairs turn wholly gray; These fect shall never learn to stray; But I will die where I was born!"

And Farmer Joe pulled down his hat, And stood upon his feet once more; He would not argue, after that, But like a horn aristocrat, Kept on his walk about the floor.

# General Miscellany.

#### HARDENING AND COLORING THE RIND OF CHEESE.

There is a strange fancy among consumers of cheese for bright colors. Many seem to suppose that a highly colored rind is an indication of good cheese, as a natural yellow is oak block may he painted as heautifully as increased profits for the future. the hest cheese without making it a whit nearer cheese than before. It is important to give firmness and tenacity to the rind to prevent its cracking in handling, and to use every precaution to make it impervious to insects. The Utiea Herald has the following remarks upon ing cheese rinds, some of which, should the rats read them, will be likely to render this part of the cheese rather unpopular with the sly gentry, as haits to inveigle them into permanent quarters.

"English eheeses have no bandages upon them when they go to market, and in several dairy. The Cheddar dairymen use a tempo- are looking badly.

rary bandage upon their cheese while curing. It is a stont linen cloth, which is drawn tightly ahout the cheese as it comes into the press. Some have eyelet holes worked into the ends of the bandage, and it is secured tightly about the cheese by being laced up. These bandages are always removed when the cheese is sent to market.

The Cheddar dairymen nse nothing upon the rind of the cheese for the purpose of hardening it. The salting is done in the card, and the cheese goes to the curing room, and with the exception of bandaging does not, in enring, undergo any process materially different from the practice at American factories. There are other descriptions of English cheese which are not salted in the curd, but receive the salt from the outside by rnbbing it in with the hands.

Small cheeses are sometimes dipped, soon after coming from the press, into scalding hrine, for the purpose of making a firm, hard

Dipping the cheese several times into wood ashes lye, we have been told, would give a rind impervions to flies, but we never saw the process put iu operation.

The dark color sometimes seen upon English cheese, referred to by our correspondent, is made from a kind of paint of Indian red, or Spanish brown and beer. It is rubbed on with a woolen cloth. As soon as the state of the paint will permit, the edges and sides of the once a week,

Dntch cheeses are colored with a preparation of tournesol, extracted from a plant that grows wild in France in great abundance (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 np to dry. They are then exposed to the vapor of lime, dissolved in nrine, which gives them a violet color. Qnite a commerce is carried on between France and Holland in these rags. The cheese is rubbed over with these rags, which gives them a dark red color. It is said the tournesol preparation has the virtne of preserving the cheese against the attack of insects. The coloring matter does not penetrate the cheese, but remains only on the rind.

A color may be obtained from pure annetto ent with potash. We cannot see any good resnlting from these preparations. They certainly do not improve the flavor or quality of the cheese. Nor can we see why cheese painted up in this way should command better sales, hnt 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.'

UNDERDRAINING 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, equal to a removal of the land from one hundred to one hundred and fifty miles South. This is an important consideration connected with compact, heavy soils, whose retentiveness of water renders them cold, and comparatively inert with of good butter. Color of the rind is no indi- respect to vegetation. Draining land involves cation of a good cheese, but should rather be considerable expense, but its increased proregarded as a contrary indication. A white dnctiveness soon repays this, besides assnring

SHARING IN ROTHSCHILD'S FORTUNE.—DITng the stormy days of 1848, two stalwart mobocrats entered the bank of the late Baron Anselm Rothschild, at Frankfort, have millions," said they to him, "and we the various processes of coloring and harden- have nothing; you must 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 florin a piece. Here's yours."

Fruit in Northern Indiana has been injured varieties none are used while enring in the by frost. Strawherries, grapes and currants ing great signs of satisfaction. - Christian Ad- also had the pleasure of seeing his favorite

#### WANT OF DECISION.

A GREAT deal of labor is lost to the world for the want of a little courage. Every day sends to their graves a number of obscure men, who have only remained in obscurity because their timidity has prevented them from making a first effort, and who, if they had only been induced to begin, would in all probability have gone great lengths in the career of fame. The fact is, that in doing anything in the world worth doing, we must not stand shivering 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 perpetually calculating risks and adjusting niee chances; it did all very well hefore the flood, when a man could consult his friends upon an intended publication for a hundred and fifty years, and live to see its sneess for six or seven centuries afterward; but at present a man waits and doubts, and eonsults his brothers, 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 particular 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 away. The very period of life at which a man chooses to venture, if ever, is so confined, that it is no had rule to preach up the necessity, in such instances, of a little viocheese are rnbbed hard with a cloth at least lence done to the feelings, and efforts made in defiance of strict and sober calculations,-Sidney Smith.

#### 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 published in a London journal:

"Mon Cher Talma-I have fought like a lion for the Republic. 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 miserable 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 doing more than Geus. Santerre and Rossignot, and yet they cannot find a corner for me in La Vendee or elsewhere, to give me employment. You are happy; your reputation depends upon yourself alone. Two hours passed on the boards bring you before the public, whence all glory emanates. But for us soldiers, we are forced to pay dearly for fame upon an extensive stage, and, after all, we are not allowed to attain it. Therefore do not regret the path you have chosen. Remain upon your theatre. Who knows if I shall ever appear again upon mine. I have seen Manvel (a distinguished comedian); he is a true friend. Barras, President of the Directory makes fine promises, hat will be keep them? I doubt it. In the meantime, I am reduced 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 npon a Minister of War. Adien. Napoleon."

A FRIENDLY HORSE.-A few days since, as we were leaving our residence on our usual morning visit to the office, a sorrel horse belonging to us galloped np and caught our arm, this dangerons position, the horse which had given us notice of his companion's danger, came up and rubbed his head against us, show-

#### THE CROPS IN DELAWARE

Editors of the Farm and Fireside

Conn, wheat and peaches are onr chief staples; and a good crop of all is the farmer's height of fortune-the failure of all, his extreme bad luck.

The last Winter, and the present Spring, have both been remarkable. During the former, more snow fell, and remained on the ground, than had been known for many years; and the latter has been equally distinguished for its many cold and long continued rain-storms. To these there seems no end; even at the present time, May 18, half the corn is not planted; and many fields that in former years, at this season, were "dry as ashes," are now soaking in water.

Notwithstanding all this, the wheat looks very well, and promises an early and execllent harvest. Of course, this must be restricted to the high land; for on low, springy or marshy places, the water has almost ruined the crop. Bnt, as this low land is not often sown in wheat, the injury will be but slight compared with the whole hreadth in.

The peach crop is also promising; and although at this early day we cannot speak with certainty, we still hope to supply Philadelphia, New York and the Eastern markets with an abundance of this luscions fruit. The exception to the general yield will be found along the Bay shores of the State, where the orchards have been most exposed to the bleak, piercing North Eastern winds. DELAWARE.

Dover, May, 1867.

#### TIME PASSING.

HAVE you ever seen those marble statues in some public square or garden, which art has so finished with a perennial fountain, that through the lips or through the hands, wear 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 that time flows through the hands of men, swift, never pausing till it has run itself out; and there is the man, petrified into a marble sleep, not feeling what it is which is passing away forever.

It is so, just so, that the destiny of nine men ont of ten accomplishes itself, slipping away from them, aimless, useless, till it is too late.

And we are asked, with all the solemn thoughts which crowd around on approaching eternity, what has been our life, and what do we intend it shall he? Yesterday, last week, last year—they are gone. Yesterday, for example, was such a day as never was hefore, and never can be again. Out of darkness and eternity it sank again forever. It had a voice calling to us of its own. Its own work, its own dnties; what were we doing yesterday? Idling, whiling away the time in idleness and luxurious literature—not as life's relaxation, but as life's hnsiness-thrilling onr heart with the excitement of life-cousidering how to spend the day most pleasantly? Was that our duty? Sleep, brethren; all that is hnt sleep. 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 time 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 shall have eome to take us.

Baths for Animals.—Dr. Charles Shepard. one of the founders of the Turkish bath in America, related in a recent speech, some reand made an attempt to pull us in the direction markable facts and experiences of the Turkish he wished to go. He then left, and went off bath in Europe. In Ireland, for instance, in a quick gait towards a pasture on a farm where the bath has made a great progress, about a quarter of a mile distant from our there is an estate-owner who has Turkish baths residence. In a few miuntes he approached not only for his own family use, but also one us again, making an unusual noise and seemed for his horses and cattle. Herein he has saved by his actions to desire us to follow him. This the life of more than one of his valuable we did, and when we reached the pastnre we horses, having cured one of the lockjaw. observed the mate of the horse entangled in Several of his cows owe to it the prolongation a bridge which had broken through with him. of their lives. One calf was given over to After we had extricated his companion from die by the herdsman, but by his direction was earried through the bath to a complete recovcry; "and when I was there," says the doetor, "it was the finest looking cow in the field. I 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 no in our strength like a colossus. The other dissipates ittelf in catching the gaze of others, and throws out its seducing tricks like the flimsy threads of the venomons spider. A truly proud man never will be mean. A vain man is essentially mean. A proud man moves through life erect in his own worth. He is like a stately ship, lifting its broad sails before a fair wind, or stemming unwrecked and unbroken the adverse tempers. The vain man creeps and flutters—now a caterpillar in the dirt, and then a painted moth lumming around the light, harning himself in the flame, and finally dying in the stench of his own worthlessness.—J. G. Percival.





# The Field.

#### MANURING CORN IN THE HILL.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

It is very evident that the practice of ap-

plying some kind of stimulant to corn in the hill is becoming more appreciated, every year, aud is more practiced thau it was five or six years ago; but there still is, and probably always will be, a great difference in opinion as to the most economical application when first cost and effect are takeu into cousideration.

Much in the result will depend upon the kiud of corn planted, for on some of the early matnring kiuds a dash of artificial manure, in the hill, will produce bttle or uo perceptible effect; but when applied to the Peru coru, or other later matnring kinds, the effect is astonishing; for this kind of corn our season is usually most too short; causing it in many cases to produce too large a per ceutage of "uubbins," or soft, imperfect corn; while a light dash of some stimulating manure, applied to the hill, just after the corn is np, seems to give it a start which practically lengthens the season for two weeks, or more; and that which otherwise would form uubbins to make mature corn. There is but little doubt but the conflicting statements which we see printed, with regard to the benefit to be derived from hill manuring, may be traced to this fact—that the main benefit of manuring in the bill is to give the corn a start, which gives it more time to harden up and perfect the later ears; and hence when applied to carly ripening coru, as the King Phillip, or Yellow Flint, it produces but little effect; but when applied, even in small amounts, to Peru corn, or as it is oftener styled, Chester county corn, it will often add from ten to fifteen per cent. to the yield of sound corn.

Another open question, in connection with mannring in the hill, is whether the mannre old, alougside of a small amount mixed just should be applied in the hill, under or with the graiu, or ou top after covering. In my opinion, this must in a great measure depend upon the manure used; for if it coutains a large percentage of alkaline salts, it may be so soluble and alkaline as to prevent the germination of the seed. I have made use of mannres on top of the growing hill which I should, for the above reason, be very sorry to apply in contact with the seed. Mauy brands of phosphate coutain a large amount of "Dupout's Salt," which will "bnrn up" the young germ and thus do much more harm than good. A good home made phosphate, without an excess of snlphuric acid, I would not hesitate to bachelor's ideas on marriage, the dangers are so great that it were far better to apply them beuefit at the same time.

Some strongly recommend common ground well for the corn, but I have never yet been able to see that it would produce any effect for me, although I have repeatedly used it, not only on corn, but also on grass, without any visible effect whatever.

As a class, there is probably nothing better f our best brands of n applied at the rate of a good bandful to two hills of four feet square corn. If applied in this amount it should of course be scattered for some distance around the young corn; but in no case would I put it outside of a ten inch circle, having the corn for its center; my reason for not scattering it more is that I think its main benefit is to be derived from so applying it that it may stimulate the growing while the drilled will be thusplant while it is throwing out its first and second leaves. If you will examine a hill of corn when the stalks have completed their We readily sec, in the former, that we have to observation has convinced me that at no time is the same. The surface between the plants cast on meadows to increase the hay crop.

shoots through the ground until it forms its machine; but in hills, a line of snrface will be second leaves.

Some object to manuring corn in the bill because "it is too much like stuffing an animal one week and starving him the next;" and have the same chance in drills, only let the that by this plan we furnish the young plant machine drop plenty of seed, and when fairly with bighly concentrated food for a short time and then force it to obtain a supply which is scattered over a greater space of soil. This may be the case; but by applying our maunre in this way we strengthen the young plant at a very critical period, and make it But plant as you choose, have plenty of good much more able to forage for itself when it becomes ueedful to do so, or when the supply of mannre is exhausted. I have recommended snper-phosphate as a good article for hill mauuring; but it is by no means needful to go into the market for our manure; there is uothing better thau the manure from our poultry houses, mixed with soil or plaster, and applied in the same manner, but in rather larger amounts than the phosphate of commerce.

I have also used the following unixture with very good effect, not only upon coru in the hill, but also npon grass and wheat. At any convenient time during the Fall, procure from fifteen to tweuty bushels of good lime; place it under shelter until it falls into powder, or becomes "air-slaked," and then mix it with common coarse salt, in the proportion of three of lime to two of salt; and tnrn it over a few times between the time of mixing and using which, when applied to a field of corn, at the phate which I ever used. It is important that to understand the changes which take place in the compound; but am farmer enough to see the effect produced by the mixture.

May, 1867.

### Written for the Farm and Fireside. CORN DRILLS vs. HILLS.

As corn is one of the most important crops that we cultivate, it should be our chief study apply in contact with the seed; but like the how to get the largest possible yield per acre. From experience, in this part of the great American corn-field, we (I mean the farmers) only on top of the well covered grain; thus are satisfied that by drilling in our corn we can avoiding the whole danger and obtaining the come nearest the desired result. The same amount of labor bestowed, is more efficient in drill than in hill culture. We will suppose a plaster as a manure for coru iu the hill, field prepared for planting, the one half we Where plaster will produce an effect it may do score for planting in hills; and in the same time we can drill and plaster the other half. Item: time gained, rows straight, covered evenly. The first half is yet to be dropped in hills and covered with the hoe. Item: time lost, grains zig-zag in the fnrrow, covered some deep, some shallow, and extra labor for plastering. Now, we are ou the same level again, as to time, with this difference: it took more time and labor for the hills, and that in the drills is the larger, because it had the fertilizer in the ground, where it should be, to push it along.-We now go to harrowing: the plants in hills will probably be in this form—

> 0 0 0 0 00

second pair of leaves, it will be found that keep our distance from some, in order to escape

can the plant attain more benefit from a small in drills can be covered, weeds choked down ADVANTAGES OF PULVERIZING THE SOIL. amount of manure than from the time it and new soil thrown round the plant, all by untouched and uncovered unless you do it in plenty of seed, and take to pulling, you started, pull the weakest plants; it will certainly pay. Now we are even again; but the yield (other things being equal) will be much larger in the drilled half, at least such was the result of similarly conducted experiments .seed, put it in carefully, and cultivate till the breaking plants tell you to stop. You may then reasonably expect corn, and, with a favorable seasou, a good crop. T. G. E.

Aaronsburg, Pa., May, 1867.

#### ROOT CROPS AMONG CORN.

To grow successfully one hundred busbels of corn on two acres of land, the ground should be plowed in the Fall, in coarse furrows, and left as light as possible without dragging or rolling, and should be old stubble ground. This will give the frost a chance to kill, by freezing the worms which have burrowed for the Winter. In the Spring plow fine, running the furrows always east and west. Mark ont, or otherwise, the rows, running them uorth and sonth always. Cultivate as often as it will answer to do so-that is, as soon as grass and weeds begin to show much. in the Spring, and you will have an article Plant every other row in the field to cabbage, ruta-bagas, or carrots. This will give a good rate of a moderate handful to the hill, will circulation of air between the rows of corn. make its mark quite as plainly as any phos- Beside the corn crop, a valuable supply of roots is thus grown for Wiuter feed for cattle it should be mixed at least three or four and horses. It costs but little more to raise months before it is used; for its effect is gen- from one hundred to one hundred and twentyerally understood to be due to a series of five bushels of corn to the acre, than it does chemical changes which can take place but to grow ten or twenty as usual. One bundred slowly; and, hence the mixing in the Fall. I and twenty-five bushels have been grown to have tried the mixture, when three mouths the acre, each alternate row being cabbage. The way to do it is, to keep the soil light and before it was applied; and while the latter loose, especially if a dry season, as land stirred produced no visible effect, the former produced draws moisture through the night. Never roll as great results as when the best brand of the ground for corn crops. A good free circuphosphate was used, at the rate of two hands- lation of the sun and air is the life of the crop, full to three hills. I am not chemist enough and with the roots well covered the farmer will be richly paid. A farmer who once adopts the practice of planting his corn in uorth and sonth rows, with every other row in small crops—potatocs, cabbage, carrots, rnta-bagas, or parsnips-will never go back to the old way of all corn in the field and potatoes ontside, aud a few cabbages and other roots in small beds in the gardens. Such practice helps meu to starve their stock for want of roots in the Winter, and mortgage them in the Spring to the lice, murrain and crows.

# WOOD ASHES FOR MANURE.

WE recommend the farmer carefully to save for use in the Spring all the ashes he can collect from the home cousnmption of fuel during he winter; and where he has opportunity, to procure from other sources a supply, leached or nnleached, of this valuable fertilizer. If people knew from experience the worth of this simple mannre, there would be no ashes wasted, neither would there be any to sell, except by those who have no soils to improve, or no crops to raise.

To retain all their virtne, it is highly important that ashes should be kept dry; for water will dissolve a large proportion of the most valuable salts, yet even leached ashes need not be thrown away as of no account; for though far inferior in fertilizing qualities to unleached ashes, they are by no means useless. One mer knows a farmer who went into the soap very important result of the employment of this manure in the growth of cereals is the increased strength and luxuriauce of straw there-leached, to apply to his land. He owned a by promoted—a result due to the presence of large farm, the soil being chiefly clayey loam, silicates, on which so much of the stiffness of the straw depends. Other ingredients, essential to both straw and grain, are furnished by their roots extend considerably beyond our ten rooting ont others. In the latter we can come this important fertilizer. Ashes are valuable inch circle, and therefore are gathering all the np close to all on both sides; and in after cul- also for promoting the growth of grass; and them at the rate of from 150 to 200 bushels per nourishment needed. Careful experiment and ture, with cultivator, horse-hoe, or scraper, it Prof. Liebig rec ommeuded sowing them broad-acre, to different crops and in every conceiv-

THE effects of pulverization or stirring the soil are numerous.

- 1. It gives free scope to the roots of vegetwith the hoe, by hand. If you choose to put ables and they become more fibrous in a loose than in a hard soil, by which the months or pores become more numerous, and such food as is in the soil has a better chance of being sought after and taken up by them.
  - 2. It admits the atmospheric air to the spongioles of the roots-without which no plant cau make a healthy growth.
  - 3. It increases the capillary attraction or spongelike property of soils, by which their bumidity is rendered more uniform; and in a bot season it increases the deposits of dew, aud admits it to the roots.
  - 4. It increases the temperature of the soil in the Spring, by admitting the warm air and tepid rain.
  - 5. It increases the supply of organic food. The atmosphere contains carbonic acid, ammonia, and nitric acid,—all most powerful fertilizers and solvents. A loose soil attracts and condenses them. Rain and dew, also, contain them. And when these fertilizing gases are carried into the soil by rain water, they are absorbed and retained by the soil for the use of plants. On the other hand, if the soil is hard, the water runs off the surface, and instead of leaving these gases in the soil, carries off some of the best portions of the soil with it. Thus, what might be a benefit becomes an injury.
  - 6. By means of pulverization, a portion of the atmospheric air is buried in the soil, and it is supposed that ammonia and nitric acid are formed by the mutual decomposition of this air and the moisture of the soil—heat also being devolved by the changes.
  - 7. Pulverization of the surface of soils serves to retain the moistnre in the subsoil, and to prevent it from being penetrated by heat from a warmer, as well as from radiating its beat to a colder atmosphere thau itself. These effects are produced by the porosity of the pulverized stratum, which acts as a mulch, especially on heavy soils.
  - 8. Pnlycrization, also, has the combined effect of several of the preceding causes, accelerates the decomposition of the organic matter in the soil, and the disintegration of the unineral matter; and thus prepares the inert matter of the soil for assimilation by the

WEEDING POTATOES WITH SHEEP .-- It may not be known to farmers in general that it is a common practice iu some of the potato growing districts to turn flocks of sheep into the potato fields for the purpose of eating down the weeds. The sheep will uot touch a potato vine. This pastnring with sheep is very advantageous when the crop is a late planted one, so that the hoeing can not be completed until the having or harvest is finished. At the growing season it is the planter's aim to keep down the grass and weeds so that they may be covered with dirt by the cultivator and hoe, when these are used. Pasturing with sheep will attain this object. Early planted crops, the cultivation of which is completed in the first half of the Snmmer, frequently become grassy and weedy before the time of digging—when the size of the tops preclndcs cultivation. In this stage the sheep are economical weeders. It is hardly necessary to mention that the feed thus given to the sheep makes a double profit, inasmuch as it costs absolutely nothing, while labor is saved and weeds prevented from seeding.

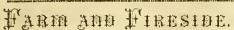
VALUE OF LEACHED ASHES.—The Main Farmaking business some years ago for the purpose of securing the ashes, after having been and any one visiting the farm now, who was acquainted with it before its owner began to apply the ashes, would be astonished at the resnlts they have accomplished. He applied



MILK SICKNESS.—The Medical and Surgical Reporter states that the affection of cattle known as milk sickness, is caused by eating the white snake root, Eupatorium Ageratoides. Mr. William Jerry, of Edwardsville, Illinois, in 1860, gathered this plant by mistake for the nettle, and ate it as boiled greens. On the day following he was suddenly seized with violent trembling, prostration and faintness, and on the next day with vomiting, and violent retching. He did not fully recover in five years, and in the meantime tried the plant on domestic animals with similar results. Dr. Amos Sawyer, of Hillsborough, Ill., Mr. R. N. Lee, of Nokomis, Dr. McPheters, of St. Louis, botanist, and Mr. Enno, chemist, all coincide in the opinion that milk sickness is caused by this hitherto unsuspected plant, which animals are said to bke when it is in bloom.







G. W. AND S. S. FOSS, EDITORS.

SATURDAY, MAY 25, 1867.

AGRICULTURE feeds us; to a greal extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillars in a cluster—the largest in the center, and that larges is Agriculture.—DANIER WEBSTER.

#### INCREASE THE VALUE OF THE PREMIUMS.

It has frequently been made a matter of Fairs, that the premiums offered are not of orate. sufficient value to call out a praise-worthy competition; and that, in some instances, the race course overshadows every other department, receiving abundant preparatory attention, offering tempting prizes, attracting the crowd, and bringing such gatherings into disrepute with the more staid and soher class of people.

There is considerable truth in these eomplaints, and the proper remedies should be applied. The race course is a legitimate feature, if properly conducted; but the greater the extent in which it preponderates, the more it detracts from the general design of au agricultural fair. The premiums offered to induce competition in the various departments of husbandry should be made more enticingotherwise they will fall short of the effect intended. If the "exchequer" is too meager, it is better to make fewer and lighter awards to the "track," and apply the difference to the object first named. People are not disposed to trouble themselves much about the premiums, or enter as competitors, when the awards are but trifling sums, or cheap diplomas, which are often bestowed either without much discrimination or to the "favorites."

The Illinois State Agricultural Society appears determined not to meet with a failure in these respects. The premium list will meet with the attention it deserves. Seventy-five dollars is offered for the hest field of wheat or corn, to be of not less than four acres. Premiuins are offered for other crops at a correspondiug rate. For the best approved essay on the preparation and management of a stock farm in the State, hased upon the author's experience, forty dollars is offered. A like sum is offered for essays on dairy farming, on grain farms and on fruit farms. Also for an essay on plowing as adapted to various crops, twenty-five dollars.

Time is money to farmers as much so as to other husiness men, nor do they like to have "their labor for their pains" auy more than other people. Let the managers of other fairs pattern after the Illinois management, and improve upon it in the value of their premiums. Competition will surely follow, and such competitiou will just as surely result in materially advancing the agricultural interests of the country.

CULTURE OF STRAWBERRIES .- The "Farmers' Cluh," an institution of New York city, "made up" priucipally of theoretical farmers and amateur fruit culturists, originates some queer ideas, hesides endorsing all the agricultural hobbics that come hefore it. Last week, this Club arrived at the conclusion that strawberries are "terribly exhausting to the soil"that they exhaust certain mineral and vegetahle properties of the soil, and then eease to be a paying erop. This may be true on some land; but we know fields and garden patches to a new fork designed for unloading hay and that have grown strawberries for ten or twelve years, and still produce good crops. Agricultural ehemistry might show that these strawberry fields and plats would be exhausted unless some fertilizer kept them up to a certain degree of fertility. We do not advise a pererly pruned, and some natural or commercial county, in this State. fertilizer applied, strawherries will do well on old ground. We have found a compost of berries; also, some of the super-phosphates.

#### ANSWERS TO CORRESPONDENTS.

The Farm and Fireside.

"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 by enttings. North of New York its cultivation is not successful, except in very warm, sheltered situations.

"N. C.," Providence, R. I.—Yon say you have a large tunk filled with urine and sinkdrain water, and desire to "fix" the ammonia before applying the mixture to grass and strawberries. This may be done by such absorbents as saw-dust or charcoal dust. Plaster of paris thrown into the tank will cause the formation complaint in connection with Agricultural of sulphate of ammonia, which will not evap-

> "Constant Reader."-Your query is a singular oue. We have heard it stated that cows fed on shorts are never caught chewing hones or old leather.

> STRAWBERRY BEDS. -The necessity of renewiug strawherry beds every two years has heen a drawhack to their cultivation with some peoplc. Every seasou the strawberry plant makes a new set of roots, each higher up than those of the preceding year, which limits its productiveness to one or two seasons. Mr. John Dingwall says, in the Country Gentleman, that he prolongs their productiveness 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 one iach or one inch and a half-thus you bring up your soil to meet the wants of the plants, and continue their productiveness for a number of years longer. This I 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 certailly worthy of at-

HYPERORITIOAL.—The question is raised as to whether bees do not injure fruit by sapping the blossom. The city eouucil 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 eoral reefs are the work of a tiny insect; the clay-fish burrowing in the levees of the Mississippi, eauses the fearful erevasse; and bees may earry away a large aggregate of saccharine matter on their thighs. But to pass an ordinance to deny them "the freedom of a city," seems to us to be hypereritical.

One J. PAYNE LOWE, (how much lower than ordinary men we canuot say), has started a monthly farm journal in New York, and has American Pomology. Apples. By Dr. John stolen the name of our journal. We admire his taste, hut not his dishonesty. The title "FARM AND FIRESIDE," was copy-righted by ns in January last.

The Grain Trade of America seems now completely reversed. Formerly the Western States fed the Atlantic seaboard and exported large quantities of grain to Europe and California. Now the United States receives supplies from both Europe and California, and it is aetually recorded that European wheat imported into New York is being shipped from that city to the West. Last year Illinois growers had hard work to get forty-five eents a hushel; now they have to pay about seven times that sum

THE SOREW FORK.—This is the name given grain. Is is light and compact in its arrangement; is made of the hest steel; has no springs or delicate appendages to wear out; unloads itself instantly at the desired point, and is operated with the greatest ease. We have seen it in operation and eonsider it the best invention manent strawberry hed or plantation; but if of the kind yet offered to the public. Francisco weeds and grass are kept out, the vines prop- M. Ballou has bought the right for Providence

sand and forest mold a good dressing for straw- to have broken out again in several counties in England.

#### RECENT FALL OF MANNA IN ASIA MINOR.

A Notice of the appearance of a large quantity of manna, near Diarbekir, was published last Summer, and created some controversy regarding the nature of this substance. There can he little doubt that it is a species of licheu, which, like a fungus or toad-stool, springs up in a single night; and thus gives rise to the notion that it falls from the skies.

This manna is ground into flour and baked into bread, and bears the Turkish name of Kudert-bogh-dasi, which means "wonder-corn, or grain." Though used as bread, its composition is remarkable; for it contains more than 65 per eent, of oxalate of lime; aud has about 25 per cent. of amylaceous, or starely like matter. This substance is evidently the manna of the Hebrews, who gave it the name of man-hu, which signifies "what is it?"-from the cirenmstance of its sudden appearance and their previous waut of familiarity with it.

The above supposed fall of manua and the real appearance of that substance on the 6th of July, of last year, is well authenticated in a letter by M. Hardiuger to Sir. Roderick Murehison, the distinguished English Geologist.

#### MINIATURE STEAM ENGINES.

Wno says science is not brought down to the level of the common mind, and to the pocket of the least endowed with the pecuniary? Among the recent aunouncements iu a London magazine is "The Little Marvei; a parlor Steam Eugine, price one shilling-or, post free, 16 stamps" (32 cents). A steam engine for a shilling sterling! So enormous, it is said, is the demand for this little engine, that all the skilled workmen that eau be engaged, not only iu England, but on the continent, are employed upon it. The advertisement aunouncing it has, of course, its usual testimonials from "distinguished men of scieuce," who commend it as a highly instructive scientifie toy which no boy iu England should be without! And no boy in America, we faney, would long be without it, could it be purchased for a quarter! Think of it, young America, four steam engines for a dollar! Save your pennies, boys, for who knows how soon every one of you may run his own engine on any road he pleases, heedless of opposition, reckless of collisions or explosions, and regardless of expense and no-body hurt! Who will supply our school-boys with the "Little Marvel," at the low figure named, and embalm himself in the memory of young America?

# OUR BOOK TABLE.

 $\Lambda.$  Waruer. 750 pages, 293 illustrations. Price \$3.00. New York: Orange Judd & Co., Publishers.

This is a valuable addition to pomological literature, written by a gentleman who has for years devoted his attention to the subject .-Oue half of the work is devoted to the discussion of the general subjects of propagation, nursery culture, selection and planting, cultivation of orchards, care of fruit, insects, and the like: the remainder is occupied with descriptions of apples. This differs from any fruit hook heretofore published in this country, in its complete classification of apples. The author gives the principal European systems and modestly puts forth his own to be tested hy practice. He divides apples into four classes, according to their forms. Each of these elasses is sub-divided by other obvious characters, and it would seem that any apple described in the book might be easily identified.

WATOH THE APPLE TREES .- This is just the time for farmers and fruit cultivators to carefully examine their apple trees for the worms that are preparing for a vigorous Sum- mended by those who have used it. mer eampaign. A few hours lahor now, while the worms are young and small, and just as THE CATTLE PLAGUE (rinder pest) is reported advantage to the trees, and will, perhaps, save New York, two weeks since, is postponed unvoracious enemics.

WEST JERSEY FRUIT GROWERS' ASSOCIA-TION.

The future of New Jersey, as a fruit producing State, is partially foreshadowed by the Fourth Annual Report of the West Jersey Growers' Association-for a copy of which we are indebted to William Parry of Cinnamin-

The locality of New Jersey, lying between two of the largest commercial cities of this country, is of great importance, as fruit can be marketed without long transportation, and also commands the markets of New York and Philadelphia. Nature has done much for that State; giving her a soil admirably adapted to small fruit—a saudy loam—which, with peculiar advantages of climate, makes it one of the hest fruit sections of the country. Marl, a wonderful fertilizer, is generously distributed through several of its Southern counties; and this has contributed vastly to the fertility and productiveness of the State.

The Report, before us, is worthy of publication in our columns, furnishing information to fruit culturists of considerable value; illustrating the advantages of intelligeut and practical culture: exhibiting the skill and industry of a few enterprising gentlemen, and showing the progress made since the organization of this Society. From its statistics we learn that iu seven townships, 857 acres were custivated to strawberries, fast year, producing 24,943 hushels, which yielded \$145,164,61. That is a respectable sum for au annual crop, especially as last season was far from an average one. An instance is given of an half acre producing \$690 worth of Irnit-cultivated and grown in hills, which is becoming the popular method of cultivation with some varieties. The general method, in New Jersey, as elsewhere, is in beds of from three to four feet in width, with rows of plants one foot apart. The varieties recommended by the Society, for their locality, were the Downer, French, Albany, Agricula turist and Cutter. (Our preference for productiveness, and general marketable quality, is the Albany.)

Raspherries do well on nearly all soils, and are becoming a profitable market crop. There are upwards of 150 acres in cultivation in five townships in West Jersey. The average yield last year was 28 busheis to the acre-not large. The varieties are the Doolittle, Blackcap, Purple Caue, and the Philadelphia. Blackherries are given much attention; upwards of 700 acres are in cultivation. Last season the price averaged \$6,12 per hushel; the entire crop of seven townships netted \$63,793,60. The Lawton variety has been the favorite, but is not so early as some others. The New Rochelle, Dorchester and the Kittatinny are favorably spoken of. Of enrrants, the Red Dutch, Cherry and La Versaillaise are pronouuced hardy, prolific and profitable. Nearly all gooseberries mildew except Houghton's Seedling. Grapes have not met growers' expectations. People wishing to know something about grape failures should read the valuable articles written for the Farm and Fireside by our special contributors. They, like ourselves, helieve the public has been swindled and led astray long enough by speenlative grape-vine cormorants. Our advice is to cultivate natice varieties; leaving exoties to gentlemen of wealth and shoddy.

This report concludes with statements relative to apple, pear, peach, cherry aud quince eniture, as noted by the members of the socicty; also as regards the ripening, harvesting and storing of fruit. Such publicatious are

FARMER'S BOILER.—William A. Hennesey, Woonsoeket, is the agent for the sale of Prindle's "Agricultural Caldron and Steamer," for eooking food for stock. It is highly recom-

THE national trial of Agricultural implethey are preparing their nests, will be of great ments, which was to have taken place at Utica, them from any serious depredatious from their til Autumu. The ground was too wet to afford a fine trial of ploughs.



A Toad Undersino.—Audabon relates that he once saw a toad undressing himself. He commenced by pressing his elbows hard against his sides and rubbing downwards. 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 hips; 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 other hind leg in the same way. He then took his east off skin forward between his forelegs into his mouth and swallowed it; then, hy raising and lowering his head, swallowing it as his head came down, he stripped off his skin underneath until it came to his forelegs, then grasping one of those with the opposite hand, by a single motion of the head, and while swallowing, he drew it from the neck and swallowed the whole.



#### A DREAM OF SUMMER,

BY JOHN G. WHITTIER.

Bland as the morning hreath of June
The southwest breezes play;
And, through its haze, the Winter noon
Seems warm as Summer's day. The suow-plumed Angel of the North Has dropped his icy spear: Again the mossy earth looks forth. Again the streams gush clear.

The fox his hill-side cell forsakes. The blue bird in the meadow brakes Is singing with the brook. "Bear up, oh! mother nature!" cry, Bird, hreeze, and streamlet free, Our Winter voices prophesy Of Summer days to thee !"

So, in those winters of the soul, By bitter blasts and drear, O'erswept from memory's frozen pole, Will sunny days appear. Reviving Hope and Faith, they show The soul its living powers, And how heneath the Winter's snow Lie germs of Summer flowers

The Night is Mother of the Day. The Winter of the Spring, And ever upon old Decay The greenest mosses cling. Behind the cloud the starlight lurks Through showers the sunheams fall; For God, who loveth all His works Has left his Hope with all

# Fireside Tale.

#### THE SECRET ROOM.

BY ARTHUR HAMPTON.

Ir was midsummer-hot, arid midsummer, Our regiment was stationed at the town of -. I had grown intensely weary of the idle, iuactive life we were leading. The days had become almost insufferably long and dreary; a feeling of ennui and restlessuess took possession of me, and I sighed for green uneadows, shady laues, and the cool murmur of rivulets. Leave of absence was easily ohtained; hut, where should I go?

I more forcibly realized than ever before 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 few friendships among my companions, for I had but little in common with their levity and gayety.

It was at this time that I opportunely received a letter from an old friend 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, saying that nothing would give him greater pleasure than to welcome the son of his highly estecmed 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 cesses.' of tried and true friends may smile at this unmauly unauifestation; hut others in similar circuinstances will understand the tide of feeling that rushed to my heart, warming it to the world and my fellow-men.

My preparations were soon completed, aud with a huoyancy of spirit, to which I had loug beeu a stranger, I started on my journey. When I reached my destination, I could scarce ideutify myself with the gloomy, morbid heing of a short time back.

As the carriage rolled slowly up the avenue, I had ample opportunity of taking a survey of the premises.

only was inhabited, the left being much de- of my love. cayed and covered with the green, clinging ivy. shruhhery.

in a few moments I was folded in his fatherly future—when suddenly a shadow fell across left wing. The key was applied to the rusty emhrace.

tinued, "and leave you to make preparations new-found happiness the remembrance soon for dinner. We dine precisely at three, heing faded from my mind. But when it was too late, too unfashionable for your late English din- the circumstance returned with startling dis-

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 anticipating. My room was cool and commodious, and afforded a fine view of the distant mountains, clearly defined against the deep hlue sky. I was not at all addicted to a long and elaborate 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 unceremonious introduction as we entered, and we were soon seated at the hospitable hoard, all restraiut heing effectually banished by Mr. Glenn's frank mauner and ready conversation.

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 brow, raven hair, and dark, flashing eyes, but there was an expression 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, undefinable something pervaded her every word and action that was irresistibly attractive. The heavy masses of golden hair, twined around 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 embroidery. 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. Ashley? Are not some portious of it grandly

"I can readily share your admiration, Miss Glenn, for I have rarely, if ever, seen it equalled," I replied.

"You may wonder at our selecting such a secluded situation, Harold; we have resided yet to come. My hate grew deeper day by day, here only the last few years. I have proved and I felt sooner than she should possess your by experience that the truest happiness is to be found in retirement."

Mr. Glenn's countenance wore a troubled look, and he sighed heavily as he spoke.

"You have quite a ramhling building," I remarked. "Have you ever explored the unused left wing? Is there not some weird tale

"I believe there are some reports in regard to it," auswered Mr. Glenu, "but I considered them of no importance, and had never sufficient curiosity to peuetrate its gloomy re-

Conversing upon varied topics, my first evening 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 white fingers swept the chords of her harp.

I loved Maud Glenn. That my love was returned, I did not doubt. I read it in the drooping 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 evening, as we stood together in the recess of oue of the large windows, with the rohbed me of happiness?' Glenrue was a large rambling mansiou, seem- moonlight falling upon Maud's golden hair aud ingly many centuries old. The right wing flooding the room with its pale light, I told her statue, each terrible word falling upon my

She was far too frauk and true-hearted for The lawn was closely shaven and adorned with coquetry. She simply laid her hand in mine. I needed no other answer. For a long time Mr. Glenn stood in the open doorway, and we stood there, talking of the future—our "God hless you, my boy!" he said, iu a tone around and caught a glimpse of Edith gliding sound, and we entered. full of emotion, "you are heartily welcome, from the room. Her face was deadly pale, and we will do everything in our power to con- aud her eyes had a strange, wild glitter. I en- through the long corridors. At length she but what we save, that makes us rich; it is not tribute to your pleasure during your stay. I deavor to reason myself into the belief that it paused, and touching an almost concealed will show you to your room, Harold," he con- was the effect of my imagination, and in my spring in the wall, a door flew back.

tinctness.

Oh! the gloriously happy days that followed! How bright a dream to have so terrihle an awakening! But why should I dwell upon this blissful period; it but renders the gloom 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 he 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 success, and returned to Gleurue late that night, after the household had retired, feeling quite fatigued with our long tramp.

Early the next morning I hurried to the drawing-room, expecting to find Mand prenared for our accustomed before hreakfast ramble. But the room was empty, and I impatiently seated myself in our favoritc 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 a pleasant reverie.

"Awaiting Maud?"

The words were lightly and mockingly spoken. I started up. Edith stood hefore me, a wild light in her eyes and a hitter smile curling her lip.

"Listen," she continued, "now that my ends are accomplished and my revenge complete, I have a revelation to make."

Her words and looks were totally incomprehensible, 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 love me in returu, hut she stepped between us, and I hated her for it. While my heart was torn with conflicting emotions, you two were happy; hut my time had love I would make any sacrifice. No oue ever the unused left wing and made the discovery of a secret room. It was a wonderful piece of mechanism. By touching a small spring a door would fly back from the seemingly unhroken surface of wall, revealing 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 human heing, life would hecome extinct within fifteen hours. Doubtless 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, and while she was wonderingly surveying it, with her back turned to me, I stole away and touched the spring; the door flew hack in its place, All that night in imagination I heard her tragedy, and left Glenrue forever. shricks and moans and calls for help. Beheld her heating her hands against the wall, endeavoring to discover the spring, and pictured her there was no pity in my heart, for had she not

I stood before her as she spoke like some 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 the mooonlight upon the floor. I glanced lock, the door swung hack with a grating

Extended upon the bare floor, with her long golden hair falling around her like a shroud, lay Maud, my Maud, cold aud dead. To spring 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 essayed 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 consciousness I was lying in bed in my own room, and the family physician of Glenrue bending over me.

"I am glad to find you hetter, Mr. Ashley," he said, cheeringly. "I hope you will soon eutirely 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, "anything is preferable to his torturing suspense. What of Maud?"

His tones were full of deep sadness, as he "We can hut how submissively to the Di-

vine will, Mr. Ashley, knowing 'He doeth all things well.'

I had intuitively felt that all hope was over, but the shock of having my worst fears confirmed was a bitter one. "Aud Mr. Glenn aud-" My lips could not

frame Edith's name, and the words died away. "Mr. Gleun is also dead. Edith is hopelessly 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 England, and after the expiration of a few years again married. His second wife was frail and delicate, aud in a short time he was agaiu a widower with two motherless daughters. Almost broken 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 terrible malady in his eldest daughter, but little imagined it would he attended hy such a result. Upon the day of that sad occurrence, dreamed, nor did I reveal, that I had explored Mr. Gleun was startled by a loud and piercing shriek. The door or the left wiug was found open, and, guided by a second shriek, he hurried to whence he thought the sound proceeded. In that fatal room you were discovered lying insensible by Maud's lifeless hody, with Edith hending over you. From her 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. Glenn 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

My constitution was strong and vigorous, and I recovered rapidly. In a few weeks I and I left her alone to darkness and death. turned my back upon the scene of this terrible

EDUCATE YOURSELF.—Learn hut one simple despair at finding her attempts all in vain. But 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 its amount, hut hy the ease with which you will attain it all. Books, periodicals, and papers 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 and supply it to your own use and for your own henefit.

It is not what we eat, but what we digest, Onward we went, up the creaking stairs and that makes us fat; it is not what we make, what we read, hut what we remember, that makes us wise.



Home.—What other Saxou word of four letters suggests stronger or more varied imagery? To the thirsting traveler in the tropics it brings hack the trickling of cold water, and the creak of the well sweep at his father's shaded door. The sea-boy shuts it firmly in his heart as he rocks on the giddy mast. The western emigrant hastens to nail the last hoard on his shanty that he may speak it again to his wife and little ones. It contents the Greenlander as he creeps into his subterrauean cell, and the Switzer climbing to his lodge among the cliffs. Why does yonder fair school girl fly with such a 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 and vacation. Side by side in the soul of the sick voyager, returning to his native land to die, are two words, HOME and HEAVEN.—Mrs. Sigourney in Educator.





# The Farm and Fireside.

# Various Matters.

#### AGRICULTURAL ITEMS.

So great is the demand for the Osage plant for fencing purposes, that the price has recently risen from two and a half to four dollars per thousand, in the State of Illinois.

In Northern Ohio sheep have wintered poorly. 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 opinion they increase the milk.

The wheat crop in the valley of the Sheuandoah never looked better at this time of the

Some farmers sell two crops in the Winter. In the fore part it is hay, in the latter part hides.

Upwards of 30,000 barrels of flour are shipped from California monthly—paying the Pacific Mail Steamship Company for freight,

Fruit trees have come forward rapidly under the warm sun of the past few days, and are re-planted. looking well.

Reports from Maine say that the young grass, wheat and eereals are looking finely. and give great promise of abundanec.

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 gained in earliness of the crop, and much may be lost, as a cool night or two will throw them back two weeks. They are very sensitive in this way, and even when planted on the first of June, cool nights should be guarded against.

A farmer in Iowa destroyed the grub-worms that were destroying his corn, by catching a Uxbridge, to Malissa E. West, of Upton. lot of moles and putting them into the corn field. The moles may be caught by the use of cow's horns with the pith out.

The Maine Farmer understands that it is in contemplation to dike a portion of the immeuse marshes in Scarboro', so that instead of raising thatch, good English hay may be snbstituted. It is stated that from fifteen hundred
stituted. It is stated that from fifteen hundred
Mary A. Cuttler, aged 19 years. to two thousand acres of land can be thus changed at a trifling expense.

40,000 bushels of wheat were shipped from Liverpool to New York in one week in April.

The National Horse Fair at Springfield, Mass., is to be August 27th, 28th and 29th.

The firm of Barber & Hawley, the largest manufacturers of agricultural implements in Illinois, have failed.

The farmers of New Hampshire are complaining greatly of the scarcity of hay and grain and the dearth of potatoes, which are obtained in New York, Nay 18, Elbridge Gerry, aged 73 years, son of Elbridge Gerry, a signer of the Declaration of Independence. with difficulty for planting purposes.

There is a great scarcity of fodder for the animals in the eastern townships of Canada, and the cattle are dying by hundreds for want of

The crops in Florida were never more promising.

A Boston man has a henery at Barnstable which covers ten acres of ground.

Always set a post fence over a ditch or near good drainage, and the posts, always remaining dry, will last many years longer than those standing in wet subsoil.

The Worcester Co. (Mass.) cheese factory, at Southbridge, turns out ten cheeses per day, each weighing 75 to 80 pounds.

A series of experiments by Captain Joseph Ved. 16a20c | Sausages | 16a20c | Tripe | Pork, fresh | 16a20c | Pork, salt | Pork, fresh | 16a20c | Pork, salt | Pork | Davis of Baldwinsville, Mass., has proved that barren apple trees may be made to bear plentifully and an excellent quality of fruit, by girdling them when in full bloom. The bark must be cut away in a strip two inches wide, care being taken not to injure the wood. Trees, treated in this manner, soon heal over, and have the appearance of being grafted.

The cattle plague rages in Holland, necessitating a great destruction of animals. In one district there was such a strong opposition by the peasants, who had a religious objection to the destruction of the cattle, that the soldiers were obliged to fire, by which two men were killed and two more wounded.

Hurd of Concord, Mass., was sold at auction, on the 8th, but the prices obtained were not up to expectation. Belle, a five year old, brought \$425, and a few heifers \$250 apiece, but the average price was not above \$165.

The crops in Georgia never looked more promising than now, especially the cereals. The wheat crop is large and vigorous, and will be ready for the harvest in a few days.

#### A BACKWARD SEASON.

The Spring of 1867 is the most backward we have had for several years. The month of May has exhibited but little sunshine. There has been a succession of rainy and cloudy weather. During the first sixteen days of the month five and a half inches of rain fell, and the amount has been considerably increased since the 16th. Planting operations have been much retarded, and farmers are a little discouraged at the prospect. Early planted corn has rotted in the earth, and the fields unst be

The only encouraging features of such a Spring are, the weather has been very favorable for grass and fruit. From all parts of the country come reports of great promise for

### Marriages.

In Woonsocket, 16th Inst., by Rev. Robert Murray, Mr. Her-man Lange, of New York, to Miss Anna Marty, of Woonsocket. In Coventry, 19th Inst., Mr. Elisha II. Ssyles, of Pascoag, to Mrs. Mary E. Spink, of Washington, R. I.

In New York, 9th inst., Brevet Major Charles T. Greenc, U. S. Army, son of Major-General Geo. S. Greenc of Rhode Island, to Miss Ahby A. Hull, of Jamaica Plain.

In West Medway, 11th Inst., Mr. Geo. W. Peckham, to Miss Lucina Darling, both of Medway.

In Oxford, 10th Inst., Mr. Orrin B. Chaifee to Miss Sarab Roughty.

#### Deaths.

In Smithfield, on the 15th inst., Mr. Alfred Angell, in the 71st car of his age.

mary A. Cuttler, aged 19 years.

In Olneyville, 19th inst., James Murray, in the 67th year of his age.

In North Providence, 12th Inst., Martha, wife of James Winterhottom, in the 63d year of his age.

In Providence, 17th inst., Hartford B. Billings, in the 54th ear of his sgc. 20th inst., Sbubael Hutchlus, in the 71st year

In Charlestown, 27th ult., Preserved Plavis, In the 98th year of his age. Mr. Davis was employed in drawing the first load of timher used in the erection of the Stater Mill at Pawtucket—the first cotton mill ever erected in America—an event he often alluded to in his later life.

In Warren, R. I., on the 14th inst., Capt. Christopher Mason, aged 59 years.

aged by years.

In Oxford, 10th inst., Mary Phipps, daughter of Moses Phipps, formerly of Webster.

In North Killingly, Ct., 3d inst., Logan Shelly, aged 60 years. In East Killingly, Ct., 12th inst., Betsey, wife of Samuel Tay-or, aged 58 years.

## The Markets.

## WOONSOCKET RETAIL MARKET.

[For the week ending May 24, 1867.] FARM PRODUCTS, FUEL, &c. 

= DM WAA AD POST	Deans E duare			
Cosl 7 ton\$10 50aI2 50	Potatoes1.I0			
Cosl & ton\$10 50aI2 50 Oats & hush\$1 00	Onloas1.00			
GROCER				
Flour\$16, 18a19 20	Raisins			
Corn Meal				
Rye\$1 50				
Saleratus10a15c				
Kerosene Oll				
Cheese # tb24 c				
	Finite & gal			
Butter & 1040a25c				
Cod11sh8c	Eggs To doz30c			
Java Coffee 3 tb25a50c	Lard 7 lh16ac18			
Mackerel, new10a12c				
MEATS, &c.				
Beef Steak	Hams1€a18c			
Beef, corned12a16c	Poultry20a28c			
Tongues, clear25c	Shoulders			
Mutton	Sansaces 20c			

#### BRIGHTON CATTLE MARKET. May 22, 1867.

At market for the current week: Cattle, 1333; Sheep and Lambs 5045. Swine, 1800.
PRIOFS. Beef Cattle—Extra, \$14.50@ \$15.00; first quality, \$13.250@\$13.00; third quality, \$11.00@\$12.25 \$\frac{1}{2}\$ 100 ibs (the total weight of hides, tallow and dressed here?)

ressed beef.) Country Hildes, 9@10c 광 ib. Country Tallow 6%@7c 광 ib. Brighton Hides, 10@10%c. 광 ib; Brighton Tallow, 7%@8c 3 b.

Th. Lamb Skins, 50c each; Wool Sheep Skins, \$2 25@ 2 75.

Calf Skins, 20@ 22c B D. Sheared Sheep Skins, 25c each.

The trade has not been very active, and there were but a few
cattle except Western ones in market. The quality is not so
good as those of last week. Prices have fallen off \$4c & b

an ample supurpose of last week. Prices have fallen off \$\frac{1}{2}c \cdot 2 \cdot 10\$ mupon some grades.

Working Oxen—Sales at \$175 to \$300 per pair. But a few psirs in market. Not an active demand.

Milch Cows—Sales extra at \$90a110; ordinary \$65@\$80.—

Store Cows \$48a5.3.

Sheep and Lamba.—The supply is jurge. Most of them healing Western which were taken direct to the slaughter houses from the cars. We quote sales at from 6 to 9%c \$\frac{1}{2}60\$.

Swine—Wholesale, \$8\frac{1}{2}60\$ ordinary \$65.00 country.

Fat Hogs—1600 at market; prices, \$7\frac{3}{2}68\frac{1}{2}c\$, per pound.

May 17, 1567.

### The herd of Jersey eattle owned by J. L. WEEKLY REVIEW OF THE NEW YORK Great American Tea Company. WHOLESALE MARKET.

WHOLESALE MARKET.

There bas been a reaction in the market for breadstuffs as compared with the previous month. Frees of flour and wheat have rapidly declined; corn bas fluctuated violently, and oats have been in active speculative request, and have advanced from four to five cents a bushel.

Low grades of flour have been pressed on the market, and there has been almost a panic. Speculative holders have felt a strong disposition to realize, but could only do so by submitting to a large abatement. The large arrivals at the lake ports, and the heavy prospective supply of California flour, have induced the trade to hold off, and the hushess of the week bas been very light. Our present stock of flour is estimated at 150,000 barrels, which is a fair supply. Most grades are from tity to seventy-five cents lower than last week. The market closes mesettled.

unsettled.

Corn meal has been offered more freely, and has declined shout twenty-five cents a barrel.

Rye flour has declined, but has been quite active.

Wheat has declined from six to eight cents a bushel, with a very limited demand from millers. The stock here is estimated to he about 600,000 bushels, and a like amount is known to be on the way to this coast from California, which checks business.

#### THE FARM AND FIRESIDE AND THE PATRIOT FOR \$4.00 PER YEAR.

For the sum of FOUR DOLLARS, paid in advance, we wil end the FARM AND FIRESIDE and the WOONSOOKET PATRIO for one year. The subscription price of the latter, alone, is \$2.50. THE PATRIOT is an old established family newspaper. with the largest circulation of any country journal in New S. S. FOSS, PUBLISHER,
Woonsocket, R. 1.

# Advertisements.

FOR SALE.—AYRSHIRE BULL "JOHN ALDEN." four-teen months old. Color, mahogany and white. Pedigree ogany and white. Pedigre HENRY T. BROWN. Arnold Mills, Cumberland, R. I. May 25, 1867.

W. E. BARRETT & CO.,

Proprietors of the

RHORE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take orders for

500 Premium Horse Hoes, the hest in the world

100 Kniffins, new, one and two horse Mowing Machines, which are unsurpassed by any in the market, and warranted.

50 Union two borse Mowers, warranted.

10 Perry's new Gold Medal Mowers.

I00 Whitcomb's Wheeled Rakes, Improved. 100 Horse Forks, all good kinds,

10 Garfield's new Hay Tedders.

100 Mounted Grindstones. 500 doz. Hand Rakes of various kinds.

400 " Scythes, from the best makers,

200 " Snsths, new and old patents.

200 " Hay Forks, Batcheller & Sons' make.

100 Revolving Horse Rakes, and all kinds of first class Farming Tools and Seeds. Send in your orders early and they shal be filled promptly.

PROVIDENCE, R. I.

May 25, 1867.

POUTH ANNUAL FAIR OF THE

### NEW ENGLAND AGRICULTURAL SOCIETY.

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GROUNDS OF THE

NARRAGANSETT PARK ASSOCIATION CRANSTON, near PROVIDENCE, R. I.,

On Tuesday, Wednesday, Thursday and Friday,

SEPTEMBER 3d, 4th, 5tb and 6th, 1867.

# THE PREMIUM LIST WILL AMOUNT TO NEARLY

# \$10,000.

Arrangements have been made with the various Railroad ompanies, to run their Cars, containing Stock, &c., directly

Arrangements have been companies, to run their Cars, containing Stock, acc., unexployed to the Fair Grounds.

There are ample accommodations within the grounds for those and Live Stock, and one of the hest Mile Tracks for fast time in the world.

A large number of the most celebrated horses in the country have been promised as competitors for the very liberal premiums that will be offered, and the hest breeders of full blood cattle and horses have determined to make this the finest and most extensive exhibition of Live Stock that has ever been held in New England.

A detailed Programme of Premiums, &c., will be distributed at an early day.

GEO. B. LORING, of Salem, | WILLIAM SPRAGUE, of So President,
DANEL NEEDHAM, of Boston, Scretary,
of the N. E. Agricultural Sociy.

THE NARRAGANSETT PARK.

which has been projected and laid out by Col. AMASA SPEAGUE

is an enclosure of about eighty acres of land, heautifully local ed in Chanston, near PROVIDENCE, R. I., and accessible both by Steam and Horse Cars. The grounds are surrounde by a substantial and ornamental fence, twelve feet high. THE GRAND STAND

unsurpassed in architectural beauty, by any structure for imilar purposes. It is about three hundred and fifty feet in aught, and contains Hrawiug Rooms for both Ladies and Gen-lemen; Restaurants, with cooking apparatus attached; Com-alitee Rooms; Exhibition Rooms; Club Rooms; and accom-nodation, UNDER GOVER, for sesting over five thousand per-THE STABLES.

Forty commodious and alry stables have already been creeted, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in process of WATER.

An ample supply of pure Spring Water will be provided for every department, and the best of hay, grain, &c., for feeding.

THE TRACK

has been constructed on the most improved plans, under the supervision of skilled engineers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best judges to ho in all respects superior to any track in the country.

#### THE IMMENSE PROFITS

OF THE

#### TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too large profits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

To give our readers an idea of the profits which have been made in the Tea trade, we will start with the American houses, leaving out of the account entirely the profits of the Chluese

factors.

1st. The American House in Obina or Japan makes large profits on their sales or skipments—and some of the richestre-tired merchants in this country have made their immense fortunes through their bouses in China.

2d. The Banker makes byrge profits upon the foreign exchange used in the purchase of Teas.

3d. The Importer makes a profit of 30 to 50 per cent in many cases.

3d. The importer makes a profit of so to only the terminal cases,
4th. On its arrivallt is sold by the cargo, and the Purchaser sells to the Speculator in invoices of 1,000 to 2,000 gases, at an average profit of about 10 per cent.
5th. The Speculator sells to the Wholesale Ten Dealer in lines at a profit of 10 to 15 per cent.
6th. The Wholesale Ten Dealer sells it to the Wholesale Grocer in lots to suit the trade, int a profit of about 10 per cent.
7th. The Wholesale Grocer sells it to the Retail Dealer at a profit of 15 to 25 per cent.
8th. The Retailer sells it to the Consumer for all the profit he can get.

can get. When you have added to these EIGHT profits as many brokerages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small dealers.

We propose to do away with all these various profits and hrokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purebasing to our correspondents in China and Japan, one cartage, and a small profit to ourselves—which, on our large sales, will amply pay us.

Through our system of supplying Clubs throughout the country, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Warehouses in this city.

Some parties inquire of us bow they shall proceed to get up a club. The answer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as published in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the chib is complete send it to us hy mall and we will put each party's goods in separate packages, and mark the name upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New York, by Post Office money orders, or by Express, as may suit the convenience of the Club. Or if the amount ordered exceeds thirty dollars, we will, if desired, send the goods by

Express, to "collect ou delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as ilheral as we can afford. We send no complimentary package for Clubs less than \$30.

Parties getting their Teas from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company bave selected the following kinds from their stock, which they recommend to meet the wants of Clubs. They are sold at Cargo Prices, the same as the Company sell them in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

PRICE LIST:
YOUNG HYSON (Green), 80c., 90c., 81, \$110, hest \$125 % lb.
GREEN TEAS, 80c., 90c., \$1, \$110, hest \$125 % lb.
MIXED, 70c., 80c., 80c., \$1, \$1 10, hest \$125 % lb.
JAPAN, \$1, \$110, hast \$125 % lb.
OOLONG (Black), 70c., 80c., 90c., best \$1 % lb.
IMPERIAL (Green), hest \$125 % lb.
ENGLISH EREAKFAST (Black), 80c., 90c., \$1, \$110, hest, \$120 % lb.

\$1 20 \$\ \text{fb.} \text{GUNPOWDER (Green), \$1 25, hest, \$1 50.} These Teas are chosen for their intrinsic worth, keeping in mind health, economy, and a high degree of pleasure in drinking them.

ing them.

Our Blacks and Green Mixed Teas will give universal satisfaction, and suit all tastes, being composed of the hest Foothow Blacks and Moyune Greens. English Freakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, although it is the fluest imported.

Customers can save from 50c. to \$1 per lb by purchasing their

#### THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFILE, 20c., 25c., 30c., 25c., hest 40c. per ponad. Hotels, Saloons, Boarding-house keepers, and families who use large quantities of "Offee, can economize up that article by using our French Breakfast and Dinner Coffee, which we sell at the low price of 30c. per pound, and warrant to give perfect satisfaction.

Club Orders. Washington, Pa., Nov. 10. 1966.

Il a saving to the complimentary package. Adultos complimentary package. MARTIN LUTHER.

MARTIN LUTHER.

.Mr. Guyton ... 21 .Mr. Guyton ... 21 .Edward Murphy ... at .Mrs Murphy ... at .Henry Hull ... at Separate package ... at

\$84 00

CST We call special notice to the fact that our Vesey-st. Store is at Nos. 31 and 33 Vesey-st., corner of Church-st.—LARGE nounce store.



A Child beginning to read becomes delighted with newspapers, because he reads of names and things which are very familiar, and he will make a progress accordingly. A newspaper in one year, is worth a quarter's schooling to a child, and every father must consider that substantial information is connected with this advancement. The mother of a family being one of its heads, and having a more immediate charge of children, should herself be instructed. A mind occupied becomes fortified against the ills of life, and is braced for any emergency. Children amused by reading or study are considerate and more easily governed. How many thoughtless young men have spent their earnings in a tavern, who ought to have been reading. How many parents who never spent twenty dollars for books would gladly have given thousands to reclaim a son or daughter who had fallen into temptation!





# Sheep Husbandry.

MANAGEMENT OF LAMBS.

The following extracts are taken from arti cles contributed by Dr. Randall to the Rural New Yorker:

DOCKING AND CASTRATION.

Mr. Baker 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 operations at the same time; Elithorp docks at one or two weeks, and castrates at eight; Gregory docks at washing, and castrates at castrates at four; the Marshalls dock and eastrate at from six to fifteen days; Pitts, at from one to four weeks; Pottle, at from one to three weeks, according to the "strength and vitality" of the animal; Sanford, at two weeks; Wileox, at one or two weeks, but does not perform the operatious together. Our own views as to time, manner, appropriate weather, &e., are given in the Praetical Shepherd.

KILLING TIOKS ON SHEEP.

All eoncar that dipping the lambs in a decoetion of tobacco, strong enough to kill ticks, is the most effectual mode of removing these parasites from the flock. The time of our correspondents' dipping them varies from two or three days to two weeks after shearing the dams. We prefer the latter time, so that all not understand this deeline, and that while the the tieks on the ewes shall have had time to molasses and sugar sales, and the general groget (as they will) on the lambs.

WEANING 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 dark as in light nights; Brown, the Clapps, Elithorp, Rich, Saxton and Wilcox, at four months; Hammond, from three and a half to four months; Heyne, from three to four months; the Marshalls, from four to four aud a half months; Pottle, 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-PASTURAGE AFTER WEANING.

A LAMB is ealled a teg after weaning and theneeforth until it is shorn, at the usual time. As the kind of pasturage most suitable for tegs has been the subject of considerable discussion, and consequently doubt, in England, we put the following question to onr correspondents: "Do you 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 return them to the pasture they are used to; Brown, the Clapps, Elithorp, Hammond, the Marshalls, Pitts, Saxton and Wilcox, prefer the after-growth of meadows; Pottle prefers pasture if fresh and good; Rieh, good pasture; Sanford would prefer good, fresh pasture, but not having it at that season, uses the after-growth of meadows; Wright thinks he would prefer good pastures if fed close and allowed to start up fresh; E. O. Clapp likes to pnt tegs on stubbles, (especially wheat stubbles), where the land has been seeded down to grass; Pottle objects to this, because "the sharp ends of mown stabbles hart them."

Our own experience was given in the Praetieal Shepherd thus: — "The moist, mild climate and constant rain in England, affect pastures very differently from the seorching and often very dry Summers of the United States; and as a general thing I have found good, fresh rowen or after-math on meadows, or the new seeded grass in grain stubbles, better feed for lambs than rested pastures, unless the latter have been seeded the same or the previous year, and the grass on them is tender and fresh." Such is our continued experience, though it might not be so, nor do we feel at all confident it would be so, under the conditions named by Wright; but in our climate, and on heavily stocked farms, those conditions arc seldom conveniently attainable.

There is nnquestionally force in Pottle's objection to stubbles. Whether they ever prodonbtful; they certainly have never affected our tegs in that way, -but they cut off wool from their legs and heads, and thus iujure their appearance in points where "fashion" is very exacting.

To CURE SHEEP FROM JUMPING.—A correspondent of the Ohio Farmer gives the following curious account of the method adopted by him to preveut his sheep from jumpfour weeks, but Clapp does not perform both ing the fences of his pasture: "I want to tell you about my jumping sheep and how I hroke them. I got them in a pen bnilt sufficiently large to hold them. I then caught the ringshearing; Hammond docks at two weeks and leaders, one at a time, and made a small hole in each ear. I then took a cord or string and run through the holes in the ears together, elose enough to keep them from working their ears; I then let them ont and they are as quiet as any sheep."

> L. Munson, of Manehester, Vermont, had thirty-four sheep killed iu one day by dogs re-

# Miscellany.

FACTS ABOUT COFFEE.

The coffee trade of Boston is less than one half of what it was ten years ago. We caneery trade has so largely increased, the receipts of coffee have so rapidly diminished. The war, and the substitutes now used for eoffee, will not account for it all, for the imports had begun to fall off before the commencement of hostilities. The heavy duties imposed on eoffee, during and since the war, (when before that period it was a free article,) the depreciation of onr carrency, and various other eauses, perhaps, earried up St. Domingo eoffee from  $7\frac{3}{4}$  cents per pound in 1858 to 30 and 40 eents in 1864; Java from 13 eents per pound in 1858 to 55 eents in 1864.

The enormous advance in one of the most nniversal articles of consumption in the conntry, eansed a greatly decreased use of the gennine article, and a substitution of roasted and ground peas, harley, rice, chickory, &c.

St. Domingo coffee is a favorite article in New England families, and twenty years ago nsed to seil for ahout six cents per pound at whelesale. Our imports once from the island of Hayti alone used to exceed 70,000 bags per annum, or 20,000 bags more than we now reeeive from all foreign and eoastwise ports combined. We suppose that there has been no dimiuution in the eonsumption of nominal coffee in the United States, but on the contrary a great increase, but where ten pounds of the pure eoffee berry were used in 1860, not exceeding three or four pounds are used in 1867.

During the war noue hut the rich nsed the gennine eoffee-berry, the aromatic odor of burnt coffee no longer 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 price has somewhat fallen, from the extreme rates of 1864, use pure coffee, but purehase substitutes of all kinds, from the "Hard Times" eoffee, at 10 cents a pound, to the pure Juva, at 50 or 60 eents.

Boston is one of the largest markets for Java, Moeha and St. Domingo eoffee in this country. The cities of New York and Philadelphia are large customers for Java eoffee in the Boston market, although the former eity is perhaps as large a direct importer as Boston. The Mocha coffee is imported into Salem, Boston and New York, some three or four cargoes being received per annum. Its sale is very limited, and confined mainly to the residents of the great cities.—Boston Traveller.

THE AGRICULTURAL FAIR of Tolland County, Conn., will be held on the 2nd and 3d days of October next.

CHOICE STOOK.—H. G. White, the famous South Down Co.'s PATENT breeder, of Sonth Framingham, Mass., has duce sore month, as some helieve, is very now on his farm twelve Short Horns, fifty South Down Sheep, and forty Snffolk and Essex Swine. Persons in want of good stock will do well to visit Mr. White.

> CULTURE OF THE DAHLIA. - A great many dahlias were killed by frost last Winter. Those persons who have snceeded in saving the tubers, should consider themselves fortunate. Some florists make a practice of sprouting the tubers early in a hot-bed frame, or green-honse, and then setting them ont in the places where they are to stand. This is the best way to obtain early blooms, but the dahlia is eminently an Autnmnal flower, and the finest blooms are generally obtained from those tubers, the sprouting of which has been delayed until June.

> The propuetive power of the droppings of the henery are very great as compared with ordinary barn yard manure, 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 production. It is an excellent dressing for gardens, and will repay, a hundred fold, the eare and expense of preserving and applying it.

Ir is estimated that in the counties of Halifax, Spottsylvania, Franklin, and Henry, in Virginia, and Rockingham and Casswell, in 1233 State Street, and 130 Central Street, Boston. North Carolina, the tobaoeo now on hand is worth \$12,000,000. The crop of Spottsylvania alone is placed at \$3,000,000. These estimates are hased on careful researches of persons interested in the matter.

THE TURF.—A trot between the celebrated Dexter and a hay mare belonging to Mr Alden Goldsmith of Orange county, N. Y., and generally known as the Goldsmith mare, for a purse of \$3000, mile heats, hest three in five in harness, eame off Wednesday, at Middletown, N. Y. Dexter won in three straight heats in 2. 28½, 2.32 and 2.28.

How to Get Rin of the Woodchucks .-Get a snpply of arsenic from a drug store, and a quantity of small apples, and charge caeh with a half thimbleful of the poison hy entting out a plug from the apple, and after putting the arsenie in, plng the apple up again, and the dose is ready. Roll these apples into Mr. Chuek's burrows as far as you can send themhalf a dozen or so in each hole—and you will soon clear the eamp and see no more of your

A gentleman, residing near Roehester, 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 throughout the season.

# Advertising Bepartment.

Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. AENOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c.

Holder's Block, Main Street,
Woonsocket, R. I.

# Massachusetts.

BY MAIL, PREPAID.

CHOICE FLOWER AND GARNEN SEEDS,

NEW STEAWBERBIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Union in porfect safety, a complete assortment of the finest

GRAPES, STRAWBERRIES, NEW LARGE CURRANTS, GOOSEBERRIES, BLACKBERRIES, ROSES, FLOWERING PLANTS,

Bulbs, Lilles, &c., &c. Fruit and Ornamental Trees and Shrubs, Evergreens, Hedge Plants, &c., will be sent by freight paid to Boston. Also, the True Cape God Cranherry, for cnitivation in wet land, or in upland and Gardens, where it produces at the rate of 400 bushels to the acre; with directions for cultivation. Friead Heseriptive Catalogues will be sent to any address. Now is the hest time for Planting. The hest way to obtain good Fruits and Flowers, and Seeds, is to send direct to the trade. Agents wanted.

Plymouth, Mass., March 30, IS67.

2m-ee-12

# ${f SheepWashTobacco}$

TICKS, SCAB, VERMIN AND FOOT ROT should be used by all Farmers on

This pure preparation has been successfully used for rears, and never fails to produce the desired effect when used

It will not injure the most delicate animal. It will improve the Quality and Quantity of Wool,

It kills TICKS on Sheep. It cures SCAB on Sheep.

It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts. For sale by KENDALL & WHITNEY, Portland, Me.; N. S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

Collins, bliss & co.,

PRODUCE AND COMMISSION MERCHANTS

New England Agents for the

NONPARIEL FRENCH GUANO.

It is claimed that this Fertilizer is superior to any in the mar ket, its virtues and merits over others being to prevent all insects and worms from destroying crops of plants, without hurning or Injuring those of the most delicate nature. It is much stronger than the Peruvian, thereby requiring a less quantity to permanently enrich the soil.

PRIOE \$60 PER TON.

Send for Circular giving full particulars.

March 9, 1867.

3m-we-9

# Pennsylvania.

RHODES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIC AOD. VALUABLE FOR EVERY DESCRIPTION OF CROPS.

POTTS & KLETT,......Camden, N. J.

Endorsed and recommended by Dr. EVAN PUGH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say more than that it is

FULLY UP TO THE STANDARD, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the

RHODES' SUPER PHOSPHATE. YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Delaware.

# New York.

HIEKLING & eo. s

GREAT SALE OF WATCHES.

On the popular one price plan, giving every patron a handsome and reliable watch for the low price of Ten Dollars! Without regard to value, and not to be paid for unless perfectly satis-

 gard to value, and not to be paid for unless penecuy 5 aussertory 1
 \$250 to \$750

 500 Solid Gold Hunting Watches
 \$250 to \$750

 500 Magic Cased Gold Watches
 200 to 500

 500 Ladies' Watches, Enamelled
 100 to 300

 ,000 Gold Hunting Chronometer Watches
 250 to 300

 ,000 Gold Hunting Elgish Levers
 200 to 250

 ,000 Gold Hunting Inuplex Watches
 150 to 200

 ,000 Silver Hunting Levers
 50 to 150

 ,000 Silver Hunting Levers
 50 to 250

 ,000 Gold Ladies' Watches
 50 to 250

 ,000 Gold Hunting Lepines
 50 to 250

 ,000 Miscellaneous Silver Watches
 50 to 160

 ,000 Miscellaneous Silver Watches
 25 to 50

 ,000 Assorted Watches all kinds
 10 to 75

10,000 Gold Hinning Lepines.

10,000 Miscellaneous Silver Watches.

25 to 50

30,000 Assorted Watches, all kinds.

Every patron obtains a Watch by this arrangement, costing but \$10, while it may he worth \$750. No partiality shown.

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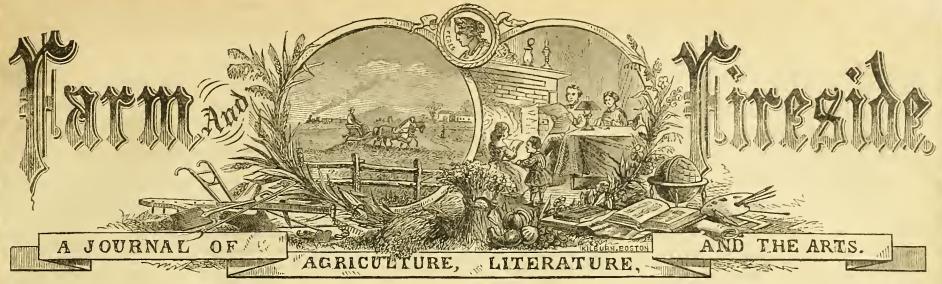
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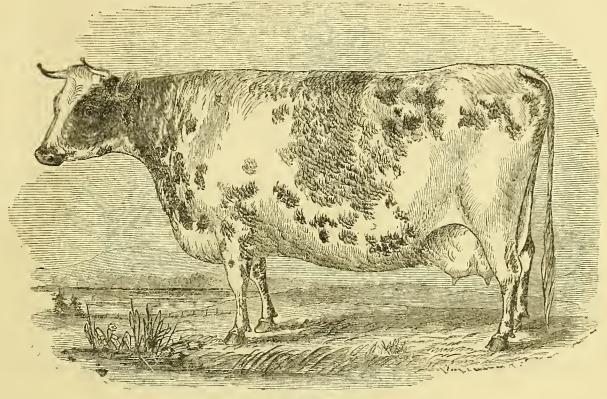
S. S. FOSS, PUBLISHER, MAIN STREET.

TWO DOLLARS PER ANNUM, IN ADVANCE.

VOL. 1.

WOONSOCKET, R. I., SATURDAY, JUNE 1, 1867.

NO. 21.



THE AYRSHIDE BREED OF CATTLE

have been required to bring the Ayrshires to white along the chine or ridge of their backs, considerable expense, happily amalgamated perfection, and the originators of that breed about their flanks, and on their faces. Their with his hardihood and disposition to fatten, liked: the darker the red, even becoming deep had a uniform material from which to establish horns were high and crooked, having deep and there resulted a breed bearing about it the brown, the more fashionable just now. The it, and did not hesitate to employ crosses of ringlets at the root, the plainest proof that the stamp of its progenitors; and, to a very conthe improved breeds to attain their end. The eattle were but seantly fed; the chine of their true way to ameliorate our "natives" is by backs stood up high and narrow; their sides But let the cross have been what it may, the soft and woolly. Everything of the carcass erossing with some of those breeds already ap- were lank, short, and thin; their hides thick, result is most satisfactory; and the character- has been sacrificed to the udder and belly, the proaching perfection. By this means we turn and adhering to the bones; their pile (hair) to the best account the want of hereditary was coarse and open, and few of them yielded in the improved breed that they can be dequalities, this very defect fitting them especi- more than three or four Scotch pints (a Scotch pended upon to transmit their properties to ally to receive the impress of the pure race. pint is two English quarts) of milk per day One single cross of a pure-bred animal would when in their best plight, or weighed, when do more towards their improvement than years fat, more than from twelve or sixteen to twenty

The Ayrshires are named from the county in Scotland where they originated and are scription it is evident that a long course of scchiefly bred. It is a high exposed region of lection, and better feeding and keeping must been imported into this country. cold elay soil, with bleak hill-sides, and vast have been resorted to, guided by no ordinary tracts of moorland, covered with heather, the skill and perseverance, to have produced the resort of the grouse and other kinds of game. present class of stock, the true type of a dairy The elimate is mild and damp; grain growing breed. We may well doubt, also, whether is little practiced, but the attention of the farm- these means alone could ever have effected the description of land is the hardy little Ayrshire, to be kept. The origin of this breed is, even whilst the Jerseys are also supposed to have breed of cows, thus describes the Ayrshire cattle of seventy years ago. "They were of di-

300 pounds the four quarters). From this deof foreign blood. The eolor, the horns, the mal to the locality and climate where it is to blood, and tradition points to the Holderness live, as well as to the purpose for which it is as having been one source of the improvement; at the present day, a matter of uncertainty. lent their aid to the increase of its dairy quali-Little else is known beyond the fact that there ties. Youatt says: "In many a district the was in Scotland a breed that, though bearing attempt to introduce the Teeswater breed, or little resemblance to the improved Ayrshire of to establish a cross from it, had palpably the present day, might have been their progeni- failed, for the soil and the climate suited only tors. Mr. Alton, in his treatise on the dairy the hardihood of the Highlanders; but here was a mild elimate, a dairy country: the Highlander was, in a manner out of his place; he

nition of a breed. Almost a hundred years mostly of a black color, with large stripes of mately fattening, although slowly, and at a portion is often flecked with the darker color. siderable degree, the good qualities of both." istics imparted by it are now so firmly fixed their offspring, and this test of a true breed they have now stood for many generations, establishing themselves as a distinct breed. of selection and breeding among themselves. stone avoirdupois, sinking offal," (about 200 to They have deservedly attained the highest position as a dairy animal, and as such have spread into many parts of England, and have immediately disposed of, and even those bulls

the eye bright, and the horn white, with a dark position to milk. The heifers usually calve at tip, and upturned. The neek must be very two and a half to three years old, though thin and light, as indeed the whole fore end some are in milk at two years old. The usual er is principally turned towards the dairy as a entire change in appearance and thrift from must be. The shoulder must by flat and form yield of the eow is from thirty to fifty pounds source of profit. In perfect keeping with this the old breed without assistance from crosses a plane with the tlat forc-rib and the neck; of milk per day, producing in the season about the point must not project. The loin must be their breeders having discovered the great se- large bellies, &c., could scarcely have been so broad and form well on with the wide hips and "ther own weight" in cheese, as the phrase is: eret of success in thoroughly adapting the ani- entirely changed without some admixture of the capacious pelvis, the whole trame thus though we think three hundred and seventyforms a true wedge with the point at the five to four hundred pounds would be nearer shoulder. The rumps are wide and tolerably high, the tail long and slender, the legs straight, the thigh rather thin, and the adder or "vessel," as they term it, must be large and broad, extending well forward, with thin flexible skin, and tests wide apart and short. The offal is

Tims variety of eattle comes within our defi- yielded but a scarity return of milk; they were of the Holderness and her capability of ulti- horns, but with clearly defined edges; the white Black and white is not uncommon, but is not skin must be thin and loose, the breed having no great pretensions to handling, and the hair breeder evidently believing in "no udder, no

> Perhaps no breed affords a better illustration of the power of the breeder by care and design to develop a peculiar property in an animal at the expense of all the other qualities. Among the Ayrshire breeders any animal showing a disposition to feed instead of to milk is are preferred having the most feminine char-In the Scotchman's beau ideal of an Ayr- acter about the head. The system of keeping shire, the head must be small, light, and bony, and rearing also conduces to increase their disone hundred and fifty pounds of butter, or the average. Youatt, in his account of the Ayrshires, gives much greater products as being obtained, and no doubt instances are found of such extraordinary yields.

Though this breed are ehiefly celebrated for the dairy, the oxen work kindly, and the steers small, and the weight of the whole animal can be turned off at three years old, weighing does not average throughout the country over seven or eight hundred pounds. They have 500 pounds. The colors must be red and inever been great favorites with the butcher, as white, splashed and blotched, not running into the jifth quarter is usually light; their fat is so minutive size, ill-fed, ill-shaped, and they had degenerated; and the milking properties each other, and becoming roan, as in the short-mingled with flesh that it forms little tallow.



The Farm and Fireside 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 be to make a journal eminently practical, and of every-day value to its readers. The Literary Department is intended to instruct and armse the farmer's better half and his children. Nothing will be published offensive 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 advance. Single







# Laws of Wealth.

Written for the Farm and Fireside, HYGIENE OF THE FARM.-NO. 1.

BY REYNELL COATES, M.D.

The title of your valuable journal, the Farm and Fireside, while it seems to render paramount, as its special object, the advancement of that greatest of all national interests, Agriculture, seems also to invite communications of a somewhat wider range; and I propose to offer you an oecasional article upon subjects which, though not directly connected with the management of the farm, are not, therefore, less vitally important to the well being, moral or physical, of the most precious of all "stock" -the farmer himself, his wife, children and employes. In other words, I wish to approach the farmer's fireside, not even excepting the young ones, npon matters that receive by far too little attention there, if I may judge from some years of former professional experience in what the doctors call "country practice." Yet it is not about disease and its treatment that I intend to speak, but about health and its preservation; hoping that all readers will remember that the health of the mind is quite as serious a consideration as health of the bodythat neither can be neglected without injuring 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 considered as one of the three co-ordinate authorities of the body corporate—the brain, heart and stomach and as completely equal in rank as the Legislature, Judiciary and Executive, in civil government. I trust, then, that no apology will be necessary for beginning with some bints about food; for there are few subjects connected with health on which more obstinate or more daugerous prejudices prevail.

"What! Not eat fat pork!" says Mr. Burly, the farmer, to his delicate daughter or bis slender, rapidly growing boy; "it always 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! Eveu the vulgar adage, "what is one man's meat is another man's poison," should teach a better philosophy. A man is not a woman, and a child is neither, how, then, can the same quantity and quality of food be suitable for each? All have the same system of organs it is true, but these organs are not developed in the same relative degree, nor are they applied 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 proportions, nor in the same amount, nor prepared in the same manner. The mother's milk contains nearly every ingredient required by every part of the adult human organization, and although all parts are growing together, it is sufficient for the infaut. But some parts are developed more rapidly at first, and others at a later 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 earlier months of infancy they contain comparatively little, and will bend before they will break; while about the end of the first year, they should be firm enough to bear the weight of the body-and the child stands upon its feet. How many a mother has sighed over a pair of 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 increases rapidly up to the time of weaning, and long afterwards; and nature, to supply this philosophy on stilts, and shall not overload the want, changes continually the quality of the milk, up to the time when other food, of a telligible to the reader, though it is far easier to stronger character, is indicated by the growth bc grandiloquent in latinity than comprehenof the youngster's teeth; so that the infant of sible in vernacular saxonism. ten months would dwindle, if not starve, upon

the food that was so wholesome at the age of a week or two, while, if the younger child were fed upon the later milk, it would inevitably suffer, if not die, from the effects of its nnna- HORTICULTURE AT THE PARIS EXHIBITION. tural diet. Every nurse who has "brought up a child by the bottle," well knows these facts, and mixes in the proper amount of water with far more honesty than many a dairy man who the Paris Exhibition, as follows: attends the market.

How do you know then, Mr. Burly, that because fat pork always agrees with you, who and common oaks, planted to illustrate the are at work all day in the open field, that it ideas and successes of M. Rousseau, of Carwill also agree with your delicate daughter, who is all day at work in or about the house or dairy, breathing the fumes of the kitchen or evening by candle light, without enjoying a grows uaturally in thin oak woods, on a muscles to the extent of their endurance, may young daughter, or even your boy, thougb he room, "cudgelling his brains in the gloom"to say nothing of home lessons, which confine the juveuile parrot by the side of his sister, same kind of diet exclusively, without suffering, both in bodily strength and meutal capacity.

Go, look at the leading lawyer of your court, when he has just finished a difficult case, during 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 about them. "What is the reason?" you inquire. Why, because oysters, eggs and all salt water fish 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 demauds a large amount. It is now perfectly well known that no animal can live in health upon one kind of food alone-not even npon bread, though it be the staff of life, or milk, though it furnishes some little, at least, of nearly 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 diarrbœa; yet, after a few weeks active exertion and exposure in hnntiug, marching, or harvesting, he can flonrish upon fat pork and the aboriginal apple pie that we sighed aud fought for, "callida juventus," at Westown school, which, "might 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 head" for a few months; and he then attributes the past difficulties to the change of air, while not, however, stauding npon its own basis, profusion, as to destroy whole crops by their it is quite equally due to a change of thinking but grafted upon three different stems of a to-ravages. Their mycelium penetrates the soft and acting—of suushine and shadow.

Do as you please, Mr. Editor, with this communication, but if such familiar talk proves agreeable to your patrons, I shall be happy to that the matter shall be of practical value, to a greater extent, than this introductory and very general article may seem to promise. I detest various subjects with technicalities often unin-

June, 1867.

# Marticulture.

A CORRESPONDENT of the Loudon Times writes an account of the horticultural part of

"Interesting among the trees and shrubs is a small and tiny plautation of young evergreens peutras, as to the growth of the truffle, and in the center of the plantation stauds a little case eontaining specimens of the large crops he has chamber, or stitching away the long Wiuter raised thus. Having observed that the truffle titbe of proper snnsbine, in half ventilated chalky or stiff loamy soil, and on a slope with apartments? The truckster's daugter, if well a southern aspect, be selected a very poor browned in the garden and field, using her piece of waste laud with such characteristics, had it ploughed up as if for a vineyard, and stand good, bard-working fare very well, with- then plauted acorus in rows, running North out refusing "anything that comes;" yet your and South, using acorns gathered from trees growing where truffles were found. In six or trudges two miles to school every day, but seven years he was rewarded with an abunuses np five, six or seven hours in the school- dant crop—more than fifty pounds of truffles an acre per anuum.

Beside where those little oaks are planted may be seeu, trained on a white wall, two beautiful till bed time-cannot subsist on exactly the peach trees, far more so than bave ever been seen in Euglaud, with all our boasted superiority in horticulture. They are faultless in outline, iu training and in sound, fruiting wood, and will not fail to attract even those who take no interest in such matters, from the perfection of the symmetry, the more difficult to attain as on one tree there are at least half a dozen differeut peaches grafted. Once at those peach trees, the visitor is almost sure to walk aloug the oblong garden, iu. which nearly all the fruit trees are planted, and though the exbibition is not so good as it might be in such a great fruit-growing country as this, where even little suburban houses have trees which the best English gardeners would be proud of, yet there is much to see, and much to be learned. Many of the trees are beautifully trained and curiously grafted; in fact, iu some spots, if the visitor looks closely, he will probably have an impression that Freuch fruitgrowers graft everything into everything else, for they have in many specimens grafted together all the outer points of a whorl of branches, so as to form a living hoop round each sct of branches, which are, in those cases, brought from the main stem in regular whorls, like the spokes of a wheel, with dozeus 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 garden devoted to the exhibition of cactuses. One group contains seventy plants, all grafted upon other kindsnot merely upon other varieties, observe, but distinct species, so that you cau see a cactus, globose in shape, and as big as one's fist, standing 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, growing upon some apoplexy from the luxurious fare. He digests with thin triangular oues; and, in fact, such a too much of it, and too easily. But if he re- lot of curiosities in this way as would scarcely rious species of fungi known as rust, smut, main permanently in the city, he finds the diet be believed by those who have not seen them. bunt and mildew, which are of the simplest very suitable to his changed relations, perhaps Oue of the enormous round-head cactuses, a after a fever or two, a few boils and a "thick globe-like mass twelve inches in diameter and so infinitesimally small, they reproduce with ten inches deep, is in most healthy condition; such wonderful rapidity, and in such amazing tally different cactus—eveu a different genus receives its nutriment through three small legs, so to speak, and is in much better health than furnish more of it hereafter, pledging myself if growing upon its own roots. This collection, with other contributions to the consecuseason, like the more permanent displays.

There are numerous beds filled with choice Spring flowers dotted about. There is a capibrought from the South of France. Hotd'horticulture of all kinds, are also exhibited, moisture or drought.

so that it should be seen by every person interested in horticulture who visits the Exhibition. The great aquariums are not yet fluished, though a few fish may already be seen iu the fresh-water one; when they are in full working order a novel and highly interesting feature will be added to the garden, which is railed off from the rest of the park, and for entrance to which half a franc is charged, in addition to the fee for entering the Exhibition."

### TRANSPLANTING.

Transplanting is an operation of great importance; the coudition of the plant, the state of the soil and of the atmosphere, have much to do with its success, independently of the simple mechanical operation. It is not very easy to instruct the uninitiated as to what the proper coudition of the plant should be; experience in this being, as in everything else, the best teacher. Attention to keeping the seed-bed clear of weeds, the "topping" of plants 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 afternoon, 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 comparatively 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 watering, which should always be avoided if possi-

In planting, each man is provided with a boy, who carries the plants in a basket, and 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 we still further firm the plant, by each planter returning on his row, aud treading the soil around plants firmly with his

I am 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, shrnbs, or 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 itself by the particles of soil adhering to the wet root. Besides, the leaves of the plant, being wet, will for some time resist the action of the dry air.—Gardening for Profit.

# LILIPUTIAN ENEMIES.

UNDER this title, C. F. Sprague describes, in the American Journal of Horticulture, the vastructure. Though the individual plants are tissues of their prey, and on reaching the surso that the great round mass grows upon and 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 increase into a black cloud, which envelopes and tive shows, will probably remain here all the destroys a field of nodding grain. Experiments of all sorts have been resorted to to prevent the attack of these omnipresent parasites. But their occurrence is mainly due to atmostal group of the various kinds of tea-plants pheric influences. Their spores are everywhere, and can be called into germination by houses in abundance and variety, and materiel circumstances favorable to their growth, either



Salting Butter.—It is becoming a complaint, among butter dealers, that farmers are not careful enough as to the kind and quantity of salt they use in preparing butter for market. Some put in too much, others hardly enough, while too many are careless as to the quality used. Ordinary barrel salt is reported to contain so much lime as to cause a soapy texture to the butter, while lacking the preservative power essential to good flavor and protracted keeping. The Ashton salt, imported in sacks of four bushels, combines all the essentials necessary to the preservation of butter,—the salt costing about one-fourth more than that commonly in use. It pays well to be particular in everything relating to butter manufacture—a good article, cleanly made and properly put up, being certain to remunerate the maker for all trouble and expense.







#### TWO SUNDAYS.

A hnhy, nlone, in a lowly door, Which climbing woodblue made still lower, Sat playing with woodbines in the sun, The loud church-bells had just begun; The kitten pounced in the sparkling grass At stealthy spiders that tried to pass; The big water-dog kept a threatening eye On me, as I lingered, walking by.

The lilies grew bigh, and she reached up On they tip-toes to each gold cup;
And laughed aloud, and talked, and clapped Her small brown hands, as the tough stems snapped. And flowers fell, till the broad hearth-stone Was covered, and only the top-most one Of the lilies left. In soher give. She said to herself, "Tbat's older tban me i"

Two strong men, through the lowly door, With uneven steps, the baby hore; They bad set the bler on the lily-bed; The lily she left was crushed and dead; The slow, sad bells had just begun; The kitten crouched, nfraid, in the sun; And the poor watch-dog in bewildered pnin, Took no notice of me as I joined the train.

# General Miscellany.

#### INJURIOUS ANIMALS AND INSECTS.

The nurseryman sometimes suffers from the depredations of some of the smaller animals, which cause him great annoyance. The mole, though highly recommended by the naturalists as a barmless beast, who is an aid to hortienlture by bis insectivorous habits, is nevertheless injurious in his ways; for be often makes his run in the seed hed, or along a row of root grafts, and raising them from their stations breaks their tender rootlets, when the snn and air soon destroy them. Mice, of different kinds, are still more destructive, particularly in the Winter, when they will often girdle young trees near the collar, and do much mischief. They also devour many seeds after tbey have been committed to the ground, particularly those sown in the Autumn. For hoth of these apimals, the best preventive is to catch them, which may be done with traps. They may also be poisoned. The young trees may be protected from the mice by keeping them clear of rubbisb that would shelter these animals, and when snow falls it should be trodden down closely about the trees. Owls and wild cats will do their sbare in the destruction also, but they will also take the friendly little birds.

Rabbits are also very apt to bite off young sboots, and to hark trees of larger growth in the nursery, as well as those that bave been set out in the orebard. Various methods bave been suggested to prevent their injuries. Wrapping the stems with strips of rags, or with ropes of hay, was formerly the method practiced by tbose who wished to save their young trees. the process is tedious and troublesome. A few pieces of eorn-stalk bave been placed by the stem of the tree and tied to it; this, too, is a troublesome procedure, though, like the others, it is efficacions. A still better plan in this class of preventives, is a half sheet of common brown wrapping paper, made to encircle the stem like an inverted funnel; this need be fastened only at the top by a little tbin grafting wax applied with a brush at the instant, or the paper may he tied with some common white cotton string. This envelope keeps off the rabbits, and lasts through the Winter; the string will deeay before the growing season returns, so there is no danger of strangulation. shoot any more Kingbirds for their being ac-All the other wrappings must be removed, or cused of cating bees.' they will injure the trees and afford harbor for insects. It will be observed that all applications of this class are adapted only to trees that have a clean hole without hranches, but countries where snow abounds, these little matree-on this account another class of preventives bas been adopted.

ious to rabbits, which, being nice feeders, are durable.

easily disgusted. Whitewash, and whitewash made with tobacco water, soap, whale oil, soap grease, blood, and especially the dead rabbit itself, freshly killed, have all been used with happy results, in that they have driven tbese animals to seek their food elsewhere. A very good application, and one that may be used on a low-branched tree, as well as to the smooth, elear stem of one that is higher, is blood. This is put on with a swah; a few eorn husks tied to a stick answers very well. Dipping this into the vessel of blood, the swab is struck gently against the stem, or the branches, as the case may be, and the fluid is spattered over it. A very little will answer to keep the rabbits away, and the effect will continue all Winter, notwithstanding the rains.

Certain insects also prove injurious in the nnrsery, among the most numerous are the aphides, which are found upon the roots of some frnits, especially the apple. Others of tbis disagreeable insect appear upon the foliage; among these one of the most disgusting is the one which eauses the black eurl on young cherry trees. The pear tree slug, (Sclandria cerasi), destroys the foliage of many young trees in the nursery; eaterpillars also do their sbare of misebief. A serious trouble in old nursery grounds, especially where manure is used, is the grab of the May-heetles, of which there are several species. These gruhs are wbitish, nearly as thick as the little finger, with a brownish head. They cut off the young nursery trees at three or four inches below the surface. We have seen two-year old stocks ent in this manner, and the work of destruction was so complete, that the proprietor of tbe nursery was a long time in attributing it to such an apparently inadequate cause as this sluggish, soft-hodied grub. All of these, with other insects injurious to fruit, will be considered in their appropriate place. -- Warder's American Pomology.

#### DO KINGBIRDS EAT BEES?

Mr. NATHAN MOSELEY, of Long Island, N. Y., writes as follows:-"I wish to exonerate the Kingbirds from the charge of eating honey bees. Last Summer I set a hive within twelve feet of my house, with a determination to watch the Kingbirds. Three pairs of them huilt their nests within fifteen rods of the hive. I perceived no sign of the birds cating bees until tbe middle of June; tben my suspicions became very strong that they were eating hees. Accordingly, one afternoon about five o'clock, when the Kingbirds are most busy in capturing food, I shot three of them and cut them open and found nothing to correspond with a honey bec. The insects they had fed on last were not more than half the size of a bee. Judging from the size of their beads and legs, I gave up my ill opinion of the Kingbirds, until the month of September, then a Kinghird took up bis feeding-ground within three yards of a rngged swarm. I watched him oecasionally for three days and became very much of the opinion that he fed on the bees, so I put him to the test of an examination; but before doing so, I saw him capture what I thought were three honey bees. On cutting him open I found notbing that would compare perfectly with a honey hee; the insect the bird fed on was of a lighter color than a bee, which I think was an ant of a llying species. All the food I found in this hird's maw would not make the bulk of a honey bee. After

est paint, properly so called, is made by ed at a sbort distance from Naber, who was a cool place will be as sweet in one year as mixing ochre or fine sifted elay with erude armed with a spear. "You have taken my when first made. I never knew it to fail. are not suited for those which are made to petroleum. We have seen a coating of this horse," said the latter. "Since Heaven has branch at or near the ground. Besides, in paint that had stood six years and appeared willed it, I wish you joy of it, but I do conto be about us good as when applied. The rauders are elevated above the wrappings, and cost was about one-third that of common tained it." "And why not?" said Daher, investment of three dollars and eighty cents, have fair play at the unprotected parts of the paint. The best and cheapest application of "Because," said the noble Arab, "another and the national and local taxes amount to all is that of crude petroleum, without any mixture, the oil used alone penetrating deep to help him. You would be the cause of many Add the taxes to the interest at 6 per cent., These consist in applications that are obnox- into the wood and rendering it permanently refusing to perform an act of charity, for fear and we have 45\frac{1}{2} cents per pound as the actual

#### EXTRAORDINARY GROWTH.

Em. Blanchard, in a paper read before the French Academy of Sciences, states that the Garden of Plants has just obtained possession of a gigantic erab, which is probably the largest ever known. That eirenmstanee, however, be does not consider sufficient to warrant the conclusion that it belongs to a distinct species. Warm blooded animals, such as mammalia and birds, cease to grow after they have attained a given age; so do those insects whose life is very short; but most animals belonging to other groups, differ from the former in that respect. Reptiles, lish, crustacen, and mollusks, tbongh arrived at an adult age, continue to grow, though very slowly indeed, but still to such a degree that certain individuals will, uuder favorable circumstanees, attain a prodigious size if they live to an extremely advanced age. Old writers have mentioned lish, such as pike, sturgeon, &e., of such large dimensions as we have never witnessed in these species. Making the necessary allowances for oceasional exaggeration, it is nevertheless an nndeniable faet that in certain rivers, where fishing was not carried on to any great extent, old fisb were occasionally caught of extraordinary size. Among ernstacea there are several instances. For many years past two American lohsters have been kept at the Garden of Plants, where they attracted much attention by their enormous dimensions, and yet they proved to be of the same kind as the moderately-sized one now met with in the same waters. The crab now at the Museum was brought from Japan hy Sieholdt. It belongs to the Inachus genus, generally represented by a very small species, and scems to be exceedingly old. Each of the Front legs of this specimen measures one metre and twenty centimetres (four feet and one inch). It has been asserted that in some individuals this length has been found to attain eleven fect, but no specimen of the kind has ever been seen in Enrope. The same pbenomenon of extraordinary growth has been ohserved in mollusks, especially in the muscle of the Mytilidæ family, found on the coast of a foot or so of a running stream." Russian America, where, being rarely disturbed, it seems to increase in size indefinitely.

# AN EXQUISITE STORY BY LAMARTINE.

In the tribe of Neggedeh, there was a borse vhose fame was spread far and near, and a Bedouin of another tribe, by name Daher, door of its own accord, preceding the milkdesired extremely to possessit. Having offered in vain for it his camels and his whole wealth, he hit at length upon the following device, by which he hoped to gain the object of his de- of the cart, may be in readiness to take in the sire. He resolved to stain his face with the milk when the man arrives. At certain doors, juice of an herb, to elotbe himself in rags, to tie his legs and neck together, so as to appear like a lame beggar. Thus equipped, he went to wait for Naber, the owner of the horse, who he knew was to pass that way. When he saw Naber approaching on bis beautiful steed, be cried out in a weak voice: "I am a poor stranger; for three days I have been unable to move from this spot to seek for food. I am dying; help me, and Heaven will reward you." The Bedouin kindly offered to take him upon bis horse and earry him home; making a small hole, say quarter of an inch in but the rogue replied: "I cannot rise; I have size, then fill it with cold water; let it stand no strength left.

the examination I said to my wife I would not than he set spurs to the horse, and galloped to within half an inch of the head, then place Chear Paint.—An exchange says the chear- tain of not being pursued, he turned and halt- it up. Briter packed in this way and kept in jure you never to tell any one bow yon obof being duped as I have been." Struck with cost of raising wool in that State.

shame at these words, Daher was silent for a moment, then springing from the horse, returned it to its owner, embracing him. Naber made him accompany him to his tent, where they spent a few days together, and became fast friends for life.

#### GRAPE ROOTS IN WATER.

One of the most experienced grape culturists in Pennsylvania-J. B. Garber, of Columbia, Pa.—writes as follows about grapes whose roots stood in water :-

"Last year my Catawbas, Isabellas, and many other varieties on dry ground badly mildewed and made a feeble growth; in short, the vines ripened so poorly that they will require a favorable season to recover. Now, the other vines growing in water were not injured in the least by the wet spell, and the most of their roots were under water the year round; the soil is never cultivated, but covered with a sod of grass. The branches and berries were large and of extra quality.

The only black Hamburg vine that I have ever seen growing in the open air and worth the ground, was on a trellis 100 feet long. They bore full erops of fair grapes, though the foliage was slightly injured, perhaps by Summer cold. Now the trellis of these exotic vines stood within two feet of a drain from the honse, which was always moist. Another example of the love of vines for moistnre is the Great Hampton Court vine in England, as its main root, it is said, has taken exclusive possession of an old drain. I have Concord and other vines growing within three or four feet of a small stream of spring water, which are healtbier and show more and better fruit than others growing on trenches and dry ground.

I have been a grape amateur about 50 years, have read all that has been published on grapes, and now, after this long apprenticesbip, I confess myself a beginner; this I must say, I know of no books which can be followed with the least prospect of success. I would strongly urge those who have a chance, to plant withiu

A Sacacious Posy.—Sir Emerson Tennant gives in "Land and Water" an account of a pony, the property of a milkman, which brings milk to Sir Emerson's door daily. By means of bread, sngar and chestnuts, it has been tamed, and it now moves from door to man, so that whilst he is settling with the servant at one honse, the servants of the next house, warned by the sound of the stoppage where the pony is in the habit of being regaled with bread, apples, &c., it contrives, without npsetting the cart, to raise the knocker with its nose and rap twice.

How to put up Butter .- One of the largest dairymen of New York, gives the following method of putting up butter for Fall and Winter

Procure good white oak firkins that are perfeetly brine-tigbt, take ont the head, first 24 bours before you are ready to use it, then Naber, touched with pity, dismounted, led rub, while wet, thoroughly, with fine salt; fill his horse to the spot, and, with great dilliculty, your firkin as soon as possible. Your firkins set the seeming beggar on its back. But no should be of such a size that one can be readily soouer did Daher feel bimself in the saddle, filled in a week or ten days with sweet butter, off, calling out as he did so: "It is I, Daher; lover it a clean cloth, and till the space with I have got the horse, and am off with him." coarse salt, put in the head, then fill with strong Naber called after bim to stop and listen. Cer- | brine, previously made of coarse salt, and stop

COST OF RAISING WOOL IN OHIO.—Every pound of wool raised in this State requires the man might be really ill, and men would fear twenty-two and one-half cents per pound.



Every Day Religion.—We must come back to our point, which is not to urge all of you to give yourselves up to mission work, but to serve God more and more in connection with your daily calling. I have heard that a woman who has a mission makes a poor wife and a bad mother; this is very possible; and at the same time lamentable; but the mission I would urge was not of this sort. Dirty rooms, slatternly gowns and ebildren with mawashed thees are witnesses against the sincerity of those who keep others' vineyards and neglect their own. I have no faith in that woman who talks of peace and glory alroad, and uses not soap and water at home. Serve God by doing common actions in a beavenly spirit, and then if your daily calling only leaves you eracks and crevices of time, fill these up with holy services. To use the apostle's words, "As we have opportunity let us do good to all men."





# Field and Farm.

Written for the Farm and Fireslde. FARM NOTES AND SUGGESTIONS FOR JUNE

JUNE is a busy month to the farmer; to his operations in the field and garden during this month in a good measure depends his success with all his hoed crops. If he allows the weeds to get the aseendency, or fails to cul- grow short, and also to he cured for Winter tivate sufficiently, his crops will suffer in consequence, and no after attention can compensate therefor. Thorough cultivation 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 moisture carrying ammonia, which is absorbed milking, and be sure they are milked clean and by the soil and is essential to the growth of in as short time as possible. plants. The soil is aerated and warmed, giving an opportunity for forming new compounds therein, and the liherating of elements necessubstitute horse-power for human muscle; good eultivators, horse hoes, &c., 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.

Barns and Sheds—should at all times be in

order, hut especially should they be cleaned and arranged to receive the coming crop. Take time by the forelock and be prepared for all tion, or hand picking are the most effectual coming operations; work drove is one-half easier done than when it drives. Clean out all phur freely. foul stuff scattered in the bottom of bays and mows, and put all scaffolds in order to receive little, if any grass, will be sufficiently grown the hay and grain erops. Do up all such jobs to cut this month; get ready for next month. rainy or wet days, when there is leisure from other work.

Barn Yards, -Make all preparation for the Summer manure pile, by hauling in muck, to thicken up a neglected hedge near the loam, &c., to be trodden over by the eattle, ground. Full grown hedges will need to be yarded nights, and to be mixed with their drop-

Beets, -Mangel wurzel and sugar beets, if 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 ing, when they are laid by. Use a light onethe stock and giving them a relish.

Butter-made during this month, if properly made and packed, will keep during the year and ashes mixed, one of salt to ten or twelve sweet and good. The grass at this season is of ashes, make a good top-dressing, a small 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 cared for. See that their roosts, yards, &c., lowest in market during the season; packed are kept clean, free from vermin and well supdown and held till Fall or Winter, it usually pays. New tubs, for packing in, should be 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 the same variety; but they should be supplied of the butter, as large as a ehestnut, for fifty pounds; cover the whole with a laying of dry fine salt and close tight; keep cool.

Cabbage. - Plant for the late erop the last of the month. Hoe and cultivate those already the rows of early potatoes or peas, which are with guano, superphosphate, bone dust, &e. to be dug and removed in July. Cabhage are nish a cheap and succulent food.

cheese-making; the supply of milk being ewes of such for breeding, while the culls are greater than at a later season, and cheese made to be fatted and sold as mutton. Dock and now soon cures and is ready for market or castrate lambs, if not previously done, and the fifteenth of June. The land should be grafts wild apple trees, by the meadow with family use. Try and improve the quality in- guard against the fly by smearing with tar, stead of increasing the quantity. Poor cheese See that no sheep are ailing with foot rot; if are always a drug in market, while those of affected at all apply the proper remedy to the superior quality are eagerly sought for, and whole flock and turn them on dry high pasture bought at high prices.

Calves. - Attention given them now to keep

animal is the most important in forming its to 18 inches apart the first of the month. Cul-tamount of fodder. Some use three and others eonstitution, &c. The best cows and oxen do not come from poor and stinted calves.

Corn-planted the first of the month, if not done before, will often mature a crop in favorable seasons. Hoe and cultivate thoroughly, and allow no weeds to be seen in the field. Sow in 31 foot drills the large sweet varieties for fodder to be fed when the pastures hegin to use; properly saved, cured and fed it is as good for all stock as common stock hay.

Cows.-Keep them in the stable nights, giving plenty of litter, and leaving the doors and windows open, they will he as comfortable there as in the yard. See that they are gently and regularly milked; allow no talking during

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, sary to healthy vegetation. As far as practical packing the dirt with the hands at first, filling and treading till the dirt is raised a little above even in a quite dry time. 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 from drying out.

> Grapes.-Proper eare should he given in tying up shoots, watching for insects and mildew. For the former, sprinkling with plaster, showering with whale oil soap, or other soluremedy; for mildew, dust with flowers of sul-

Haying .- The season being so late very

Hedges.-Young hedges require severe pruning to force low hranching. Top branches grow without any trouble, but it is impossible clipped as often as they make sufficient growth.

Millet-sown early in the month makes an excellent soiling crop as well as a good hay, when eut aud saved before full maturity.

Potatoes.—Keep well cultivated till blossomhorse plow-turning a light furrow towards the rows and finish off with the hand hoe. Salt handful to a hill.

Poultry—pays a good profit when properly plied with elean water, gravel, broken bones, lime, and plenty and variety of feed, if yarded; when they are allowed to range off the lots they piek a variety and it is less essential to feed with eorn, oats and buckwheat. See that the young are kept thriving by judicious feed and

Ruta Bagas - should be sown from the middle to the last of the month. Plant in set at least once a week—the more they are drills 2 to 2½ feet apart and thin to 10 inches in hoed the better. Plants may be set between the drill. Make the soil deep, fine and rich

Sheep. - Custom demands that they be washed an excellent crop to feed the stock during Win- before shearing—a barbarous practice, as usualter, if desired for no other purpose. No farmer ly performed, and should be done away with, can have too many, as the manure made from and then the shearing could be done earlier feeding is rich in nitrogen; and they will keep and the sheep be better in regard to health as when properly stored till April and May; all well as furnishing a better fleece: let the work kinds of stock are fond of them, and they fur- be done carefully as soon as settled warm who did not put in this crop were forced to happy wives, tidy children in the lap of thought-Cheese. - This month is a good time for which furnishes the best fleece and reserve ground.

Sweet Potatoes-a crop which may be sucthem growing is better rewarded than any cessfully grown in many localities where it has making the rows about two feet apart. This Progressive agriculture keeps on hand plenty future keeping after being neglected while been thought otherwise, A warm sandy soil young; give them a little grain meal, or oil is required; raise ridges, 3 feet apart, 8 to 10 the rows, which keeps down the weeds and the women. It ploughs deeply, sows plenticake, mixed with their allowance of skimmed inches high, placing manure in the bottom, stirs the soil, giving a better crop.

tivate hy hauling the soil up the ridge with a four bushels of seed per acre when sowed steel rake; give good, clean culture.

Strawberries.—Keep the beds clean of weeds,

shorts, and at work making manure. No animal kept on the farm will make a better, or a husy by supplying muck, sods, weeds &c. the orchard and lose one source of large profit.

Tools.—See that every needed tool and mathe grass comes iuto hlossom. Early eut grass A. Willard. makes the hest hay; cows give more and hetter milk kept on it; and all kinds of stock will thrive faster than on hay from more mature

Weeds—grow while we are asleep, and rapidly, if allowed a chance; therefore keep the farmer aims to enrich his farm. Let us tell hoes bright, while you are awake, in keeping or go to seed. Persistent cutting will event- not corroborate what is said here. ually kill them. If a plant is not allowed lungs to breathe it cannot live any more than the animal creation. Clean, thorough tillage is

Ornamental.-With all the drive and hurry of the home and surroundings. You owe it to yourselves and to your children, to make home attractive. It rests the weary body to have attractions to meet the eye when the day's lahor is over, and creates associations which cling to one during life.

My Riverdale Farm, May, 1867.

### CORN FOR SOILING MILCH COWS.

Corn sowed broadcast or in drills is admirafor Summer soiling milch cows. It is nutrimilk, if not quite equal, at least second only to clover. It is a profitable crop to raise, because an immense quantity cau be grown per acre. There need be no loss in growing the crop, since if any part is not wanted for soiling, it may be cut and cured and used for Winter.

No one who keeps a dairy should neglect to ble wants of his herd during the latter part of to be dry, his stock will need it, and hy this ern Rural. means he will be able to keep his cows in condition and obtain full returns, while those who have made no provision for extra food must of 1864, in some sections stock could not have been carried through had it not heen for patchto reduce their herds in the Fall.

milk, with good pasture. The first year of an and on the top of the ridges set your plants 15 The Western or Dent corn, gives the largest ings of Heaven.

broadcast. When sod ground is to be employed for sowing the crop it pays well to suband give a mulching of saw-dust, spent tan or soil. We have grown immense crops by manurcut straw, to keep the fruit from the dirt. Use ing on the sod, turning under, and subsoiling care in picking not to tread down or injure the the land. In curing the crop for Winter fodder we cut, tie in bundles and shock up. This is Swine. - Keep them growing by feeding the safest course, since, if the weather is bad whey, milk and slops, mixed with bran or there will be difficulty in curing it if left spread out on the ground to dry.

There is an occasional season it is true, larger pile of manure than the hog kept in the wheu, with an abundance of rain that keeps pen, if supplied with the material; keep him grass fresh and in vigorous growth, corn for soiling purposes is not needed. But such sea-Keep his pen as free of wet as possible by a sons are the exceptions, and it is poor economy full supply. Many allow them the range of to base operations upon chance. It will be better to make proper provisions for stock, Tobacco.—Prepare the ground and transplant since, if it happens not to be needed, the crop as early in the month as the plants will do; is not lost, but will pay largely as Winter fodearly transplanting is essential to a good crop. der. The extent of ground needed for grow-A moist damp time is the hest for transplanting, ing fodder will depend of course upon the although with suitable care it may be done manner 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 chine is at hand and in repair aud good work- will be no bad management if a larger area ing order, ready for having to begin as soon as than the proportion named be cultivated.—X.

#### SURFACE MANURING

WE confess that we cherish the belief that surface manuring is the way to manure. Every him in a few plain words how to do it, and them in subjection. Cut thistles with a speed, then, after reading this plan, let him think over taking off the crown; allow noue to blossom his past experience in farming and see if it does

Apply manure chiefly to your tillage lands while iu 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 growing a good crop of grass of work do not forget the suitable adornment on a poor soil you have done two things-made your land much better and gained a good crop. As soon, or hefore the soil hegins to show signs of failure, plow or manure again. If you plow, you have a wealth of grass roots decaying for the food of growing crops. Re-seed hefore the land gets 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 as possible. To accomplish this you should seed liberally. When the sward is formed you have another crop of manure to bly adapted for producing the requisite food plow under. In seeding land it is better not to be confined to one kind of grass. In this tious and succelleut, and promotes a flow of manner lands may he managed for centuries without material deterioration.

As a farther argument in favor of surface manuriug, we mention that it is nature's way. The soil is on the top of the earth, irrigation deposits its fertilizing elements on the surface. Manure applied to the surface is acted upon by the light, heat and rains-its elements are much grow a patch of sowed corn to meet the proha- more slowly evolved in the earth than on the surface. Every farmer should investigate this August and September. If the season proves subject and make his own conclusions. - West-

WHAT IS PROGRESSIVE AGRICULTURE?—The New York Observer answers this question in a suffer a considerable loss. During the season few words, but very comprehensively, as fol-

Under its influence spring up tasty and convces of sowed corn which came in play about nient dwellings, adorned with shrubs and flowweather will permit. Note each sheep to see feed from meadows, and, as a consequence, ful age-broad hearts and acts, as well as words were cut short of Winter fodder and obliged of welcome. Progressive agriculture builds barus and puts gutters on them, builds stables Sowed corn may be put in from the first to for cattle and raises roots to feed them. It heavily manured and put in good tilth. Old pippins or greenings; it sets out new orchards land that has not been fall-plowed should he and takes care of the old ones. It drains low plowed twice, and the manure thoroughly alands, cuts down bushes, buys a mower, house mingled with the soil. The usual practice is tools and wagons, keeps good fences and practo sow broadcast and harrow in the seed; but tices soiling. It makes hens lay, chickens live, we prefer drilling in the seed with a machine, and prevents swine from rooting up meadows. will permit of a cultivator or horse hoe between of dry fuel, and brings in the oven wood for fully, harrows evenly, and prays for the bless-



Remedy for Kicking Cows.—Cows, says a cotemporary, seldom kick without some good reason for it. Teats are sometimes chapped or the udder 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 milking. 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 milked. When treated otherwise they will kick and hold up their milk. It is quite as consistent to whip a sick child to stop its crying, as to whip or kick a cow, to prevent kicking while being milked. its crying, as to whip or kick a cow, to prevent kicking while being milked.







# The Farm and Fireside.

# Parm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JUNE 1, 1867.

AGRIOULTURE feeds us; to a great extent it clothes us; with-oul it we could not have manufactures, and should not have com-merce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### HOP CULTURE.

Editors Farm and Firesine:

A few weeks ago an article appeared in your paper, giving an account of the profits of a crop of hops out West. The thought struck me whether they could not be cultivated here with equal profit? Not knowing any one who has ever cultivated them here, I concluded to address you; that others, as well as myself, might be interested in an article of this kind. What I should like to know is: First, the best soil for them; second, the hest kind of plants, and the price per thousand; third, when and how to plant; the mode of drying or preserving them, and where the plants can be bought? cellulated sponge.

If you can answer the above queries, or give cultivation, you will much oblige

A FARMER.

Montgomery County, Pa.

In reply, we would state that the experience of English hop growers is settled on this fact: That the best soil for hops is on limestone land; hnt that they will produce well on all soils that grow wheat. Lime seems to be essential to the perfect growth of hops; hence a great portion of Pennsylvania is admirably adapted to their eultivation. The roots of the hop penetrate very deep; consequently they never do well on thin, shallow soils. A drought often plow. spoils the erop, and in a elimate of extremes, like ours, this should be guarded against by planting in a deep, well pulverized soil. The ground must be kept free of weeds and grass, the hills nearly flat. Good tillage, on suitable land insures good crops.

As to the second inquiry, we cannot answer, not being familiar with distinct kiuds, if there are any. Third, in planting hops, the Spring is the best time. They are more certain to grow. Plant iu hills, from six to eight feet hundred hills to the aere. Fourth, the picking and drying question is of great importance. When a boy, on a farm, we were told that "September winds should never blow on the hops"-meaning that they should be picked before the late storms of that month set in. The proper time to harvest them is when the revive again. flower is changed from green to brown, and when the hop emits its fragrant odor. At that rubbed infected wheat heads until they were period the cuticle of the seed is of a purple color, and the seed itself is hard. Early picking is always the safest, as all hop growers will tities, a hop-house, or kiln, should he constructed. Iu England, where hop-culture is followed as a husiness, they have large buildfloors, where a certain heat is kept up day and night. These buildings are generally of wood, be infected it ought to be hurnt. with sides and floors lined with hrick to retain heat. The drying floors, or shelves, are sevenot know where hop plants are sold.

Middle States, even New England, will proconsumed in the United States.

ALWAYS keep a supply of copper wire on hand, of different sizes, for repairing tools; it is greatly superior to either twine or iron wire. Jests in some parts of Tennessee.

#### THE MIDGE, OR WHEAT FLY.

A FEW weeks ago an intelligent farmer, Mr. C. J. Hiestand, of Lancaster county, Penna., observed upon a low part of a field from which the water had subsided after a rain, a 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; but on closely examining the smooth surface of the ground, he found it punetured with millions of pin-like holes. Digging half an inch below the surface he unearthed a quantity of the minute yellow particles, and found them to be the larvæ of an insect. He took them to Mr. S. S. Rathyon, a distinguished entomologist of that county, who pronounced them to be the larvæ of the Cecidomyia tritici, or destructive wheat fly. Mr. R. experimented with these larvæ and produced the same effect witnessed by Mr. H. Saturating the soil with water brought all the larvæ to the surface; but after the water had subsided, they would all penetrate the soil and go below, leaving the surface like a finely

Mr. Rathvon, in a contribution to the Lanme any other information in regard to their caster (Pa.) Examiner, declares that this discovery settles a heretofore mooted question, viz: that the larva of the wheat fly remains a larva in the earth 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 this fact suggest to the intelligent farmer? Why, clearly this: that he ought to institute an examination of his wheat fields during the latter part of May, and if he finds these orange-colored larvæ in the soil in any considerable numbers, then let him turn it down with a deep sub-soil

It would be a nice question to determine how these insects cau subsist in the larva state, and be subjected 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 other remedy than the one which we have suggested, because any application that would destroy the larvæ might also destroy the wheat, and unfit the soil for a subsequent crop. If the plowing down seems to be necessary from the presence of these larvæ in the soil, a crop of apart. This will allow from eight to twelve corn or late potatoes may still be raised upon it. But many of these larvæ do not reach the ground, but remain in the husks of the grain, and are carried to the stack and the grain-mow. According to the experiments of Dr. A. Fitch, they do not die in the grain husks, but, on the ready for market. contrary, on the application of moisture they

Mr. R. says that he has on various occasions completely divested of their grains, and found that the larger number of the larvæ remained in the chaff. It has long been his opinion that testify. To dry hops, if grown in large quan- the chaff may pass through a threshing machine and a winuowing mill, and the larvæ or pupæ be still in it, comparatively uninjured. A portion of this chaff is fed to cattle, but a ings constructed on purpose, with drying large portion reaches the harn-yard, and is from thence hauled to the fields. When known to

There are contingencies, however, through which the safety of the grain crop is often cfral feet from the ground, and are formed of feeted, other than hy artificial means. Cold slats of wood, and these are covered with wet weather may so far retard the development coarse cloth. The hops are spread evenly on fof this insect as to prevent its assuming the puthis cloth. The great secret in curing hops is pa state, which it must necessarily pass through that they must be dried by currents of heated hefore it assumes the form of a fly, until it is air passing through them, and not hy radiation too late to do much damage to the wheat. The of heat. Such are the operations, stated in present state of the weather seems to be favorbrief, of planting and curing hops. We do ahle to that end. But should it appear too late for the wheat in general, it will still find some Not only Pennsylvania, hut most of the wheat in a backward condition, in low, shaded situations, that will serve its purpose; or it may duce remuneralive crops of the hop. Its cul- deposit its eggs in the glumes of the different tivation is rapidly increasing-perhaps because grasses, or in the oats, in order to perpetuate of the immense quantity of malt liquor now its existence, as it does in England and on the continent of Europe, from whence it was first imported into this country.

Armies of caterpillars are desolating the for-

#### CALIFORNIA GRAIN MARKET.

WE have recently had our attention called to the productions of California, especially its cereals, and are surprised at the extent of its grain exportation to the Eastern ports of the United States, as well as to various portions of Europe. This is of special importance to us just now, when wheat is commanding enormous prices, and when we spread out fifteen to twenty greenback dollars for a barrel of flour. It also exhibits the vast extent of our grain producing territory—a very respectable tract extending from the Atlantic to the Pacific, (leaving out the Rocky mountains and the Apalachian range), and embracing upwards of thirty degrees of latitude. Heretofore we have been dazzled with the auriferons productions of the Pacific Coast; now are more agreeably surprised with its golden harvests of grain.

From reliable statistics at San Francisco, we find that from January 1st to March 1st, 1867, there were received 1,332,000 saeks (100 pounds each) of wheat, which was maiuly exported; a small part of it only coming to our Eastern eities, while the balance was exported to Great Britain, China, Japan, Australia, Mexico and the Hawaiian Islands. These receipts are said to he larger than usual; which fact proves that wheat growing in California is vastly on the increase. The quantity of barley, oats, corn and rye foots up to several million saeks. From this statement it is evident that we need not hunger for breadstuffs, 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 stores for seed and consumption, besides supplying her mills to meet the export demand for flour.

### OSAGE HEDGING.

The Prairie Farmer states that owing to the high prices of fencing materials and the difficulty of getting them, it must lead, and is leading, to a general adoption of the hedge for all outside farm enclosures. For this purpose the Osage is the main reliance in the prairie region South aud South-west of forty-two degrees North, and in some cases still higher than that. Most of the seed now used is brought from Texas and Arkansas, and is obtained 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 seeds are dried and run through a fauning mill, when they are

Parties in Kausas contemplate petitioning the Legislature of that State to pass a law making a hedge a legal fence as soon as planted, and holding parties possessing stock, running at large, responsible for any damage done by them to fields inclosed by these incipient hedges. This course, it is supposed, will lead to a general fencing with hedges, and preserve the timber bordering upon and interspersed over the country from the destruction which fencing raised one hundred and fifty bushels of turnips with it must involve.

DAIRY CAPITAL IN OHIO. -At a late meeting of the Ohio Dairymen's Association, the following statement was made: - The amount of capital invested in the dairy business of Ohio. is estimated at \$264,628,850, of which the cows, at \$50 each, amount to \$34,516,750; the and, at \$50 per acre. \$207, 101, 100 - teams and implements, \$23,011,000. In 1865, the numher of milch cows in Ohio was 695,337; the butter product 32,554,835 pounds, and the cheese product, 16,940,213 pounds

THE Griffin Star, (Ga.) says the demand for corn, in that section, is very emphatic and prices are advancing. It advises the farmers to pay less attention to cotton and more to the production of breadstuffs. When the South hecomes self-sustaining as to bread it will be the better able to extend the business of raising cotton if desirable. The Star is right, whether its advice is heeded or not.

with the young grain and grass in Kansas.

#### AGRICULTURAL ITEMS.

THERE is a great scarcity of cattle in the neighborhood of Shelburne, Vermont, most of them having been sold the fore part of Winter; many farmers being unable to keep them on account of having a small erop of hay. Hay brings thirty dollars a ton, and still has an upward tendency.

A San Antonio paper complains of drouth in Western Texas. The grazing in that region is suffering from this source—an unusual thing at this season.

At a fox hunt in Belmont county, West Virginia, recently, the hunters returned home at night, leaving the hounds running. The dogs, thus left at large, attacked a pack of sheep, killing and injuring eighty of the flock. The matter was compromised by paying the full value of every sheep killed.

With regard to the comparative fertility of England, France and the United States, it is stated that France obtains fifty per cent. more wheat from the acre than the average crop of the United States, and England one hundred per cent. more. The reason of this is said to be superior cultivation and manuring.

The tobacco crop of Virginia, now coming into market, is one of the largest and best raised for many years past, and is commanding extraordinary prices.

St. Lonis consumed last year, in the manufacture of 217,892 barrels of heer, 500,000 bushels of barley, worth a million of dollars.

By careful selection for four years, Mr. Hallett, of England, produced wheat, the heads of which contained three times as many grains as the original head, and that would produce sixty to eighty stalks from each kernel sown.

A Mr. Warren of Hancock county, Maine, uses as a wash tor barns, one bushel of lime, four pounds of salt, and two pounds of white vitriol. This stood the weather very well. Paint of any eolor can be added.

A correspondent in the New England Farmer says that he effectualy cures his cows of sucking themselves by smearing the bags and teats with the most offensive grease that can be found about the premises.

Radish or lettuce sowed around the hills of cucumber and other vines is said to be a protection against the striped hug, which prefers this food to the young vines.

There is an Egg Preserving Company in Chicago, with a capital of \$50,000.

Mr. Nathan Mosely, of Goodground, N. J., writes to the New York Farmers' Club that he ias shot at different times four king birds which he thought he caught in the very act of catching honey bees, but on examining their erop no bees were found.

A correspondent of the Maine Farmer says that on the Islands which are the home of the Jersey cows, roses bloom through December in the open air, and that in New England they need blanketing as much as a fancy race horse

A farmer in Oneida county, New York, per acre by sowing among his corn. He did not think they affected the yield of corn at all.

New Hampshire has three million dollars invested in horses, four and a half milliou in cattle, two and a half million in milch cows, two million in sheep, and six hundred and seventyfour thousand in swine.

In England there are many farmers who more than support Themselves and large famiies on the product of six acres, besides paying heavy rents. Agriculturists in Germany, who are proprietors of five acres, support themselves on two, and lay up money on the product of

If a stable is kept clean, cows will go into at of their own accord. If dirty, they have to be

A Produce exchange has been opened in San Francisco, in view of the growing grain

A Mr. Park of Georgia has specimen heads of Egyptian seven-headed wheat, grown in Essex, England, from seed found in the wrap-Grassnorrers threaten to make sad havoc pings of an Egyptian mummy, twenty-six hundred years old.



It should never be forgotten that the happier a child is the eleverer he will be. This is not only because in a state of happiers the mind is free, and at liberty for the exercise of its faculties, instead of spending its thoughts and energies in brooding over troubles; but also because the action of the brain is stronger when the frame is in a state of hilarity; the ideas are more clear; impressions of outward objects are more vivid; and the memory will not slip. This is reason enough for the mother to take some care that she is the cheerful guide and comforter of her child. If she is anxious or fatigued, she will exercise some control over herself, and speak cheerfully, and try to enter freely into the subject of the moment; to meet the child's wants; to stoop to the plane of his companionship. Happiness has indeed a vast influence for good over a child's mind.







#### GONE AWAY.

I see the farm-house red and old, Above the roof its maples sway; The hills hehind are bleak and cold The wind comes up and dies away

I gaze into each empty room, And as I gaze a gnawing pain Is at my heart, at thought of those Who ne'er will pass the door again.

And strolling down the orchard slope, (So wide a likeness grief will crave,) Each dead leaf seems a withered hope. Each mossy hillock looks a grave.

They will not hear me if I call; They will not see these tears that start;
'Tis Autumn—Autumn with it all— And worse than Autumn in my heart.

O leaves so dry, and dead, and sere! I can recall some happier hours, When Summer's glory linger'd there And Summer's heauty touch'd the flowers

Adown the slope a tender shape Danced lightly, with her flying curls, And manhood's deeper tones were blent With the gay laugh of happy girls.

O lingerings at the open door!
O moonlight rambles long and late! My heart can scarce believe them o'er.

The air of sadness and decay, The moss that grows upon the sill-Yes, Love and Hope have gone away

So like, so like a worn-out heart! Which the last tenant finds too cold. And leaves for ever more, as they Have left this homestead, red and old.

Poor empty house | poor lonely heart! 'Twere well if hravely, side hy side. You walted till the hand of Time Each ruin's mossy wreath supplied.

I lean upon the gate, and sigh; Some bitter tears will force their way, And then 1 bid the place good-by For many a long and weary day.

1 cross the little ice-hound brook And all has faded like a dream.

# Fireside Tale.

### SEEING TOO MUCH

BY F. L. SARMIENTO.

"LID you notice how Emma swept out of the room then?

The speaker was a maiden aunt, who had come to pay a "short" visit to the Nfamily. Her niece, a rather heedless girl, it must be confessed, of some fifteenSnmmers, had just left the room-elosing the door somewhat noisily behind her.

"Well no, I cannot say I did," answered Mrs. N-, thus appealed to. "In fact, surronnded by childreu, as I am all day-onc crying here, another squalling there—I do believe that I have become oblivious to noises of all kiuds."

"It wasn't the noise so much, Sally, that I spoke of, as the manner. If you had hut seen the manner in which Emma slammed that door. Why it went straight to my heart, as though I had been struck.

"But, dear aunt, you are too sensitive."

"No, Sally, I am not sensitive. But I have EYES, I am sorry to say, and I can see with them; and, when that girl slammed that door, I could see that she intended to say, as plain as plain could be, that she hated me and all fellow, "I ain't naughty at all. I was just connected with me."

First of all, Emma has bad nothing to make play with it, too." her cross. Nothing, I am sure, has been said to offend her; and, moreover, I do not think regarding the facts in their true light. "I'm that, supposing such were the case, she would sure, aunt," she continued, somewhat remonvent her spleen in so nnlady-like and disagree-stratingly, "you need not have been worried. able a manner as you imagine."

"Don't care!" muttered the old lady, doggcdly. "I've got eyes, and I see what other hreak anything with it. Sec," and taking it people don't. And I tell you that Emma is she threw it against one of the window-panes, augry at something. Though, laws knows! what I have done that she should get angry

kind to her (sob), gooduess knows!"

Annoyed and nervous, Mrs. N--- arose and left the room, almost persuaded that Aunt Martyn mnst be right, although she, herself, had mently. seen nothing. She determined therefore to reprove her daughter, and for that purpose now sought her room. Emma was there, her face beaming good-naturedly. Certainly without the slightest trace of any anger.

"Why were you angry with aunt, just now, Emma?" she asked.

"Angry? Why I wasn't angry, mamma, answered the young girl, in a surprised tone.

"Not angry! Well, you acted as though you were-at least so your aunt thinks."

"Oh bother!" exclaimed Emma, now quite provoked. "Aunt's entirely too touchy. She is all the time imagining things. For my part I wish she had never come to the house. I'm sure there has been nothing but trouble ever since she came. I just wish that she would you walk up to bed as a punishment for speakstay at home."

"Emuna," said Mrs. N-, grieved at her daughter's words, "I am surprised at your speaking of any one in such disrespectful tears and protestations, she pushed him out of tones. Indeed, I'm much afraid your aunt is right when she pronounces you 'wayward."

"I wish aunt would miud her own affairs!" cried Emma, now highly excited, for she felt influenced by others, when she was, again, that she had been most unjustly judged by her Aunt Martyn, whom she dearly loved in spite of her words. "I just wish aunt would mind them, but when Aunt Martyn was about, she her own affairs!"

"Much comfort have I in my children!" sighed poor Mrs. N——, as she prepared to return to the "sewing-room" again. "Quarrels and true to the appointed time his brisk footand disagreeable jucidents all the time. It step was heard. never used to be so; and, indeed, it does really seem, as Emma says, that it has only been so his wife's little sauctum. "Where's Neddy?" since Aunt Martyn came to the house. She sees everything, and notices fifty things that I would pass over."

So saying, Mrs. N- turned the knob of the door that led into her sanctnm, called the "sewing-room;" but scarce had she done so, her youngest boy, who had heen kept home from school on account of a slight cold.

ward, as though to ask, "What now? What new annoyance?"

On entering the room she found her little boy couched weeping in one corner, while Aunt Martyn held in her hand the evident cause of the commotion—a light parlor-ball.

"There! There! My goodness gracious! If that ball had bounced the other way it would have dashed that mirror all to picces. How you can worry me so, I don't see!'

"Neddy, Neddy, how can you!" demanded poor Mrs. N-, now nervous and excited, seizing the little fellow and shaking him. "How can you worry your aunt this way?" Then turning to that formidable personage, she asked, "What was he doing, aunt?"

"Why he was throwing up that ball, and every minute I expected to see it come crashing through the looking-glass, or windows, or something else.'

"Why, Neddy, how can you be so naughty?" asked the mother, giving the child another the rod was certain to spoil the child, and read shake. "Have I not told you often not to her a lecture upon "bringing up" children worry your annt?"

"I ain't naughty at all," sobbed the little playing with this ball, and it wouldn't hreak tonching the glass," interposed poor Mrs. "Now, dear annt, that is positively unjust! anything, so it wouldn't. And you said I might

> "So I did," returned Mrs. N-, now first It is only a parlor-ball, made light and elastic his chair, and now he could sit still no longer. on purpose, so that it is almost impossible to "it rebounds without doing the least damage."

"I know," was the answer, in a testy tone.

"I don't know what I've ever done to her, I'm 🖁 stand it. Fortunately or unfortunately, as the 🖁 children to perceive it. But I can see itsure! (Sob.) I've always been good and case may be, I've got eyes, and I can't help but see what might happen."

"Yes, and she sees a great many thiugs that mightn't happen, too!" exclaimed Neddy, vehe-

"You naughty boy! Aint you ashamed to

"That child's fairly itching for a whipping, Sally, and it's your duty to give it to him," interposed Aunt Martyn. "I've just been watching him all this blessed morning, and the thousand ways that he has tried to aggravate me would try the patience of a saint. No," she continued, in answer to a look of surprise involuntarily drawn from poor Mrs. N--; "of course you didn't see it, hut I've got eyes, Sally, and when I see a thing I know what's meant by it.'

"Well, I must confess that I didn't notice the child doing anything wrong; but if you say so, aunt, it must be so. So, Neddy, just ing rndely just now, and I don't know whether I will give you any diuner or not. Go, you naughty boy;" and despite the little fellow's the room and closed the door upon him.

Mrs. N- was at most times an indulgent mother, but being naturally nervous, was easily too severe. At ordinary times she was content with seeing her children's faults and correcting saw with her eyes, and acted accordingly.

Time passed, and the hour approached a which Mr. N-came home usually to dine,

"Where's Neddy?" he asked, as he entered "Why, Neddy, I am sorry to say, has an-

noyed annt so much that I was forced to punish him by sending him to bed."

"That's quite unusual," said Mr. Nregretfully, for he always looked forward at the dinner hour to a good romp with the little when a loud screech from Annt Martyn saluted fellow, as a relaxation from business thoughts her ears, intermingled with angry words from and cares. "I am sorry he anuoyed aunt," he continued; "what did he do to annoy her?"

"Why, he was playing with bis hall, and Poor Mrs. N- turned her eyes heaven aunt was afraid that he would break something.'

"What, with that little parlor-ball?"

"Yes."

"Humph!" coughed Mr. N---, by no means atisfied. "But where's Emma?"

Emma was in hed also. She had felt so deeply what she could not but deem Aunt Martyn's injustice, that she had wept herself siek. A fearful headache was the consequence, and Emma, as the servant expressed it, "didn't want no dinner.'

At table one annoyance after the other followed. Faults were discovered that never were thought of before. And all by Aunt Martyu. The rest of the children were detected on the point of, or "jnst about to commit" a thonsand flagrant breaches of etiquette. In the servants were discovered a thousand neglectful doiugs. Cross words and hasty rejoinders were heard on all sides, while Annt Martyn assured poor Mrs. N---- that to spare generally.

"There! there! You'll break that tumbler!" "Why, goodness, auut, the child wasn't

–, almost beside herself. "No. Bnt he was just a-going to. I saw him; I was watching him."

Between the "I wasn't," and "You were," that now followed, Mr. N- arose. For and industrious locksmith, was uneducated, some time he had been moving restlessly in

"Well, this is just about chough of this," exclaimed he. "I'll not bear with it any longer. excellent education. Nevertheless, when the Why, I would as soon be iu Bedlam; and yet it never used to be so."

with mc." And here Aunt Martyn opened the "It might answer very well for some people to opening the everlasting shark's mouth, and wife replied, "Would you have me humiliate

thank goodness, I've got eyes."

"And that's the whole cause of the trouble," said Mr. N-, quite sternly. "You see too much. You see things before they happen, and many things that never do happen-so good day. Mrs. N---, until I can enjoy my dinner in peace, I shall dine down town.

That evening, when Mr. N- returned from his place of business, he found that Aunt Martyn had left, "highly offended;" nor was he sorry for it. And as he put on his slippers and drew near the fire that night, while his children gathered happily around him, he could not but exclaim-

"Heaven protect us from any one again that sees too much!" and heartily we echo his

# Fireside Miscellany.

#### ARTIFICIAL FLOWERS.

LADIES who deck their hair with mimic

bloom, have, in general, little idea of the way in which these false flowers grow. They wear them, light-hearted, in the gayest scenes, and think not that they are transplanted from the saddest. They put forth their leaves and delicate hues in stifling garrets, in fetid back kitchcns, or in hot, over-crowded factories, where the gas-burners are often without glass or shade, and gas stoves are set on the table to heat the tools, while a hundred women and girls from nine years old and upward, bend over their bot-house plants. Some hold the haud-stamp which cuts through sixteen folds at a time of the muslin or silk that is to make the leaves and flowers. Others vein the leaves by pressing them between dies, or paint the petals separately with a brush when the centre is to be left white. Most of them are busy with the finer work of constructing the flowers. They gum and wax, dust for bloom with potato flour, or with blown glass powder frost; they twist paper or silk thread for the stalk, and make the foundation on which the petals stick. Slender wires are run through the blossoms, and a small goffering iron gives them their curl. All this is strange and fidgety work, especially by gas light with blistered fingers, thnmb nails worn to the quick, and the dust of paint and other material inflaming the cyes, and preparing patients for the Opthalmic Hospital. The blnes and carmines try the sight sadly, and the latter canses heaviness in the head. Arsenic green and verdigris hlue arc seldom used; but enough is left to poison the poor "flower girl's" exist-

CARVING A CHARACTER. - Did you ever watch a sculptor slowly fashioning a human countenance? It is not struck out at a single blow. It is painfully and laboriously wrought. A thousand blows rough-cast it. Ten thousand chisel points polish and perfect it-put in the finc touches, and bring out the features and expression. It is a work of time; but at last the full likeness comes out, and stands fixed and unchanging in the solid marble. So does a man carve out his own moral likeness. Every day he adds something to the work. A thonsand acts of thought, and will, and effort, shape the feature and expression of the soul. Habits of love, piety and trnth-habits of falsehood, passion or goodness, silently mould and fashion it till at length it wears the likeness of God, or the image of a demon.

A SCENE recently took place at a Paris wedding, in which the refining inflnence of love and French politeness combined to make a very eharming pieture. The bridegroom, an honest and when called on to sign the register, marked a cross. The bride, on the contrary, although belonging to a poor family, had received an pen was passed to her, she signed a cross. The bridesmaid, a former schoolfellow of the bride, "No, I suppose not," sobbed Aunt Martyn, having expressed her astonishment, the young shark-like month of her steel-bead bag and have children throwing halls and things where searching for her pocket-handkerehief. "No, my husband? To-morrow I will commence drew forth a voluminous pocket-handkerehief. looking-glasses and such things are, hnt I can't because you were too wrapped up in your teaching him to read and write."



AGRICULTURE IN CALIFORNIA.—There are now about 4,000,000 acres of land inclosed in California, and about 1,750,000 acres under cultivation. These are far larger areas of occupied and improved land than were ever before reported. Three years ago the amount of land under enlitvation was only 1,197,984 acres. Most of the increase since was made last year. A considerable portion of it was in the larger mining counties, which are beginning to claim importance as fruit and wine growing districts. The area planted to wheat was about 500,000 acres, a gain of 200,000 acres in three years. The yield was 12,000,000 bushels, or 7,000,000 more than in 1863. The barley crop also shows a great increase. In 1863 it was about 500,000 in the property of the about 4,000,000 in 24 counties, including all but 3 or 4 of the strictly agricultural counties. This year it is returned at 14,000,000 bushels in 40 counties.





# The Farm and Fireside.

# The Stock-Yard.

#### MILK AND MILKERS.

In an article on the qualities of milk, &c., Dr. Voelcker says:

"Generally speaking, small races, or small individuals of the larger races, give the richest milk from the same kind of food. Where good quality is the main object, Alderneys or Guernseys unquestionably are the cows that ought to be kept, for they give a richer cream than any other kind in commou use in this country; but, of course, Alderneys are not the most profitable stock for cow-keepers in towns, with whom the Yorkshire cow, essentially a short-horn, is the favorite breed, as it surpasses all others for the quantity of milk it yields. The milk, however, compared with that of the Alderney or Ayrshire cow, is more watery and less rich in butter, and therefore not well suited for dairies in which butter and eheese are made. In the Spring of the year and the early part of Summer, milk is more abundant, and the butter made from it of a finer flavor. As soon as the season advances, the supply diminishes, but becomes richer in butter. The influence of food on the quality of milk is very striking. A half-starved cow not only yields but little milk, but what it yields is miserably poor. On the other hand, the liberal supply of food rich in uitrogenous and phosphatic elements of nutrition tells directly on the milk. Nothing, therefore, can be more injudicious than to stint dairy cows in

Good Sheep.-We have some remarkable storics from the Spring shearings in Vermont. Onc Rutland county ram, the "General Lec," whose careass weighed but 1211 pounds, yielded a fleecc of eleven and a half months' growth which weighed 25½ pounds. On the same day there was a shearing at Shelburne, at which prizes were awarded for the best fleeces. Fifteen sheep were sheared, whose average weight of carcass was a little more than 70 pounds, and whose average weight of fleece was 13 pounds, 8 ounces. The lightest fleece of the fifteen weighed 7 pounds, 14 ounces, from an animal whose weight was 120 pounds 3 ounces. Oue animal, weighing 81 pounds, yielded a fleece of 15 pounds, 12½ ounces; another, which weighed 97 pounds, furnished a fleece of 15 pounds, 121 ounces; and another furuished a fleece of 10 pounds,  $15\frac{1}{2}$  ounces, from a carcass which weighed only 56 pounds. Still another carcass, weighing only 63 pounds, yielded 16 pounds, 12 ounces of wool.

DANGERS OF SHEEP SHEARING TOO EARLY IN THE SEASON. - The Ohio Farmer in its report of the meeting of the Michigan Wool Growers' Associatiou, at Jacksou, on April 3d, where it was determined to hold a public exhibition on the 7th of May, gives the views of several wool growers on the effect of early shearing, as brought out in the discussion of the subject on that occasion. Mr. Rome, of Ann Arbor, and Pork, fresh 16a20c Pork, salt 18c Mr. Goodyear of Manchester, each claimed that it would be dangerous to valuable sheep to shear them as early as the first Tuesday in May. Mr. Goodyear stated that he had lost, as he thought, two bucks that were worth \$1,000, owing to the early shearing of the Southern Washtenaw Society last year. Though their death was not immediate, they seemed to have been injured so that with the utmost eare and attention, they declined in condition steadily during Summer, and seemed to have no strength to recuperate. He imputed their death to having been shorn too early in the season.

Peas and Pork.—A writer in the American Stock Journal advocates the raising of peas for fattening pork. Ground or boiled they are deemed excellent for other stock, also, when mixed with cut hay, straw or corn fodder. But the Cauadians rely on peas for pork-making, deeming six bushels of these equivalent to ten bushels of corn, for this purpose. The pea is an excellent decomposer of stiff and corn, clayer soils

Sames at \$2,000.0,001 to the standard prices are unsettled. California. Barley is lactive and prices are unsettled. Oats are without important variation. Pennsylvania at 90%c; Western is held at 572.7% and southern at 91.82c.

Rye is form. Sales of nhout 4,000 hush, in lots, at \$1,74a1, 76 for Western.

Corn is firmer and more active. The inquiry is fair and more active for export.

#### QUALITIES OF CATTLE.

AYRSHIRES for cheese; Devons for butter, and Alderneys for cream. These, on the best native stock, will improve. The improved Short horns combine these qualities to a large extent, and are, besides, superior for beef. When we say the Alderneys for cream, we mean the richest cream, not the most, as less milk is given by them than by the Devons, and less butter made from a cow. For the farmer who has but a few cows, the improved Shorthorns are the best, as they combine more or less the good qualities. Excellent for milk, they are still more so for beef,-Colman's Rural World.

Selecting a cow.—It is sometimes the case that the best judges will be deceived. A cow of very unpromising appearance, coarse in the neck, large boned, and second on third rate milk marks generally, will, now and then, turn out to be first-rate, while another with these marks largely developed, fine in the head and neek and promising every way, will prove unsatisfactory. But a failure in this case is rare, Let the head be light, the forehead broad, the horn rather thin and clear, the eye clear and prominent, the neck thin, and the fore-quaters rather light, the back straight, the hind quarters well developed, wide over the loins, the carcass deep, the udder coming forward and well shaped, the skin soft to the touch, the teats well set, not too large nor too small, the tail long and thin, like a whip-lash. Such a cow ought to be a good oue.—Plowman.

Points of a Good Milker. —A correspondent of the Country Gcutleman says: "Iu selecting a milker look well to the udder. Before milking it should be wide and broad, not hanging down like a sack, and hard and shiny, nearly destitute of hair, and what there is should be soft, fine and bright. After milking, the udder should be soft and apparently a skin bag. If, after milking, the udder is hard and full, it shows that it is flesh, not milk, that distends it." Another correspondent says:

"For a cow that leaks her milk badly, place a little elastic gum ring around each teat. You ean cut a set out of an old cast-away rnbber shoe-eost nothing-no harm to the cow, and will save in a season several dollars' worth of

# The Markets.

# WOONSOCKET RETAIL MARKET.

[For the week ending May 31, 1867.] FARM PRODUCTS, FUEL, &c. 

GROCER				
Flour\$16, 18a19 20	Raislns			
Corn Meal\$1 35	Molasses & gnl60a95c			
Rye	Y. H. Ten			
Saleratus,	Rlack Tea80ca\$1 10			
	Oil 78 gal			
Cheese # 1524c				
Butter 33 th	Candles Blh25a45c			
Codfish8c	Eggs lb doz30c			
Java Coffee # 1b25a50c	Lard 39 lh			
Mackerel, new10a12c	Sngar 39 tb			
MEATS, &c.				
Reef Steak25a30c	Hams16a18c			
Beef. corned12a16c	Poultry20a28c			
Tongues, clear25c	Shoulders15c			
Mutton12n16c	Sausages20c			
Veal16a20c	Tripe12c			

### BRIGHTON CATTLE MARKET.

May 23, 1667.

At market for the current week: Cattle, 1285; Sheep and Lambs 3907. Swine, 21. Western cattle, 1154; Eastern cattle, -; Working osen and Western cattle, 125.
PRICUS, Beef Cattle—Extra, \$14.50@ \$15.00; first quality, \$13.25@\$41.00; tsired quality, \$12.50@\$12.25 \$7 100 ibs (the total weight of hides, tallow and dressed here.)

ressed heef.) Country Illdes, 9@10c 号 肋。 Country Tallow 6%@7c 号 肋 Brighton Hides, 10@10%c. 号 肋: Brighton Tallow, 7%@8c

3 fb.

Lamb Skins, 50c each; Wool Sheep Skins, \$2 25@ 2 75.

Calf Skins, 20 @ 22c # fb. Sheared Sheep Skins, 25c ench.

The trade for hides and tallow continues to he very dull.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

The market for Western and State flour is 10a25c lower; see decrease is most noticeable on the low and medium grades; The market 10 Western and Sune none is a war control to the decrease is most noticeable on the low and medium grades; the demand is only moderate.

Sales at \$10,25a11,40 for superfine State; \$11,70a14,10 for extra State; \$1,80a13 for the low grades of Spring wheat Western extra; \$13a14,25 for shipping Obio; \$14,25n15,15 for trade and family brands of Ohio, Michigan and Indinna; and \$15,20a18 for \$1, Louis extras.

California flour is casy. Sales at 15,50a16,50, the inside price for common.

California nour is easy. Sales of 450 bhls, at \$2a9,50.

Rye flour is steady. Sales of 450 bhls, at \$2a9,50.

Corn med is unchanged. Sales 600 bhls, nt \$6 for Western and \$6,25 for Brandywine.

The wheat murket is inactive and prices are lower. The market is somewhat unsettled and prices nominal. Millers are disposed to hold off.

Sales at \$2,55a2,68 for No. 2 Milwaukee club; \$3,35 for white California.

### Marriages.

In Woonsocket, May 23d, by Rev. Robert Murray, Mr. John North to Miss Elizabeth Bentley, both of Woonsocket In Fall River, May 23d, George Hanson to Miss Ruth Hallum both of Fall River.

In Southbridge, May 22, Orrin J. Aldrich of Wehster, to Miss

In Newport, May 22d, John Henry Luce to Miss Lucinda Vars Boss, both of Newport.

In Providence, May 22d, Gustavus Otto to Miss Madaline Marla Rauman, both of P.

In Providence, May 26th, Harlan A. Page, of Olneyville, to Miss Emma Randall.

In Fall River, May 35th, Mr. Frederick W. Eastwood to Miss Sarah A. Field, both of Fall River.

#### Heaths.

In Webster, May 15th, Mrs. Mary Brown, aged 85 years 11

In Dudley, May 19th, son of Francis Goddard, aged 11 years In Dudley, May 15th, son of Francis Goddard, aged 11 years.

In Providence, May 23d, Mrs. Mary Harcham, a native of
Devonshire, England, aged 72 years and 9 months. On the 23d,
Mrs. Augusta A. Monroe, aged 21 years, 1 month and 5 days.
On the 25th, Caroline F., wife of Consider W. Bart, and daughter of the late Joseph Olney, of North Providence, aged 61
years, 4 months and 4 days.

In Grafton, May 26, suddenly, of disease of the heart, Capt. John W. Slocomh, aged 73 years.

In Smithfield, May 26th, Amy, widow of the late Rufus lenckes, in the 91st year of her age.

In Smithfield, May 17th, Mary Evans, aged 75 years, 2 months and 13 days. [Providence and Worcester papers please copy. In Worcester, May 28th, Einilee L., daughter of 1, 8, and J. B, Meriam, aged 17 years and 9 months; 28th, Joseph Hunter of Lowell, aged 19 years.

In Fall River, May 26th, Edmund Power, aged 43 years; 27th, Michael Cunneen, aged 74 years.
In Mystle, Conn. May 27th, Christopher T. Pierce, eldest son of the late Samuel Pierce of Providence, in the 5th year of bis arm

In Smithfield, May 23d. William Rutler, aged 64 years. [New Hampshire and Hartford papers please copy. In Medway, May 9, Anson F. White, aged 52 years 10 mos. and 15 days.

In Greenville, May 20th, Louisa Ellen, only child of Charles Pond and Elvira E. Allen, aged 7 years 5 mos. 19 days. In Bergen, N. J., May 21, Clarence, son of Joseph and Eliza-beth N. Mansfield, aged 6 mouths and 8 days.

# Advertising Bepartment.

THOROUGH-BRED BULLS FOR SALE 1 -The subscriber offers to sell the Thorough-bred Jersey Bull · Matchless, 2 years old. Also the Thorough-bred Devon Bull · Uncas, 15 months old. Both Thorough-bred Animals. Full Pedigrees given.

Apply to JOHN DIMON, Pomfret, Conn.

June 1, 1857. 3w-we-21

POULTRY FOR SALE,...The subscriber offers to sell one pair Breemen Geese and one pair Rouen Ducks, warranted pure and as good as any in this country. Also one trio "Jersey Blue" Fowls, excellent layers.

JOHN DIMON, Pomfret, Conn.

3w-wc-21

### ATTENTION, TOBACCO USERS:

Why destroy your health and waste your money by using Tohacco? One Box of ORTON'S PREPARATION is warrauted to destroy the appetite for Tohacco in any person no matter how strong the liabil may be. Sent on receipt of one dollar. Address E. Douglass, Prop. Box 1572, Portland, Maine. June 1, 1867.

POUTH ANNUAL FAIR OF THE

# NEW ENGLAND AGRICULTURAL SOCIETY.

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestie Industry,

ON THE GROUNDS OF THE

NARRAGANSETT PARK ASSOCIATION,

CRANSTON, near PROVIDENCE, R. 1.,

On Tuesday, Wednesday, Thursday and Friday,

SEPTEMBER 3d, 4th, 5th and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

# \$10,000.

Arrangements have been made with the various Railroad Companies, to run their Cars, containing Stock, &c., directly to the Fair Grounds.

There are ample accommodations within the grounds for Horses and Live Stock, and one of the best Mile Tracks for fast time in the world.

A large number of the most celebrated horses in the country have been promised as competitors for the very liberal premiums that will be offered, and the best breeders of full blood cattle and horses have determined to make this the fuest and most extensive exhibition of Live Stock that has ever been held in New England.

A detailed Programme of Premiums, &c., will be distributed at an early day.

at an early day.

GEO, B. LORING, of Salem, President,
DANIEL NEEDHAM, of Boston, Secretary,
of the N. E. Agricultural Soc'y.

WILLIAM SPRAGUE, of So. Kingston, R. 1., President, WM. R. STAPLES, of Providence, Secretary, of the R. 1. Society.

# THE NARRAGANSETT PARK,

which has been projected and laid out by Col. AMASA SPRAGUE, is no euclosure of about eighty acres of land, heuntifully located in CBANSTON, near PROVIDENCE, R. 1., and accessible thoth by Steam and Horse Cars. The grounded by n substantial and ornamental fence, twelve feet high.

### THE GRAND STAND

Is unsurpassed in nrchitectural heauty, by any structure for similar purposes. It is shout three bundred and fifty feet in length, and contains Drawing Rooms for hot Ladles and Gentlemen; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Chuh Rooms; C

# THE STARLES.

Forty commodious and alry stables have already been erected, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in process of completion. WATER.

An ample supply of pure Spring Water will be provided for every department, and the best of hay, grain, &c., for feeding.

THE TRACK

has been constructed on the most improved plans, under the supervision of skilled englueers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best judges to be in all respects superior to any track in the

# Great American Tea Company.

# THE IMMENSE PROFITS

#### OF TIII; TEA TRADE.

THE PROPRIETORS OF THE GREAT AMERICAN TEA COMPANY became fully convinced, several years ago, that consumers of Tea and Coffee were paying too many and too arge profits on these articles of every day consumption, and large prolits on these articles of every day consumption, and therefore organized THE GREAT AMERICAN TEA COM-PANY, to do away, as far as possible, with these enormous drains upon the Consumers, and to supply them with these necessaries at the smallest possible price.

In give our readers an idea of the profits which have been nade in the Tea trade, we will start with the American houses, eaving out of the account entirely the profits of the Chinese

ictors.

Int. The American House in China or Japan makes large rolds on their sales or skipments—and some of the richest regred merchauts in this country have made their immesse formes through their houses in China.

2d. The Ranker makes large profits upon the fortign exhange used in the purchase of Teas.

2d. The Importer makes a profit of 30 to 50 per cent Inmany axes.

On its arrival it is sold by the cargo, and the Pitchaser of the Speculator in invoices of 1,000 to 2,000 packages, at crage profit of about 10 per cent.

The Speculator selfs to the Wholesale Ten Dealer in at a profit of 10 to 15 per cent.

The Wholesale Ten Dealer selfs it to the Wholesale rin lots to suit the trade, at a profit of about 10 per cent. The Wholesale Grocer selfs it to the Retail Dealer at a of 15 to 25 per cent.

The Returier selfs it to the Consumer for all the profit he etc.

an get. When you have added to these EIGHT profits as many broker ages, cartages, storages, cooperages, and waste, and add the original cost of the Tea, it will be perceived what the consumer has to pay. And now we propose to show why we can sell so very much lower than small dealers.

We propose to do away with all these various profits and brokerages, cartages, storages, cooperages, and waste, with the exception of a small commission paid for purchasing to our correspondents in Chiua and Japan, one cartage, and a small profit to ourselves-which, on our large sales, will amply pay us,

Through our system of supplying Chibs throughout the conutry, consumers in all parts of the United States can receive their Teas at the same price (with the small additional expense of transportation) as though they bought them at our Ware-

Some parties inquire of us how they shall proceed to get up a club. The auswer is simply this: Let each person wishing to join in a club say how much tea or coffee he wants, and select the kind and price from our Price List, as jublished in the paper or in our circulars. Write the names, kind, and amounts plainly on a list, and when the club is complete send it to us by mail and we will put each party's goods in separate packages, and mark the bause upon them, with the cost, so there need be no confusion in their distribution—each party getting exactly what he orders and no more. The cost of transportation the members of the club can divide equitably among themselves.

The funds to pay for the goods ordered can be sent by drafts on New-York, by Post Office money orders, or by Express, as may suit the convenience of the Ciuh. Or it the amount order-ed exceeds tharty dollars, we will, if desired, send the goods by

Express, to "collect on delivery."

Hereafter we will send a complimentary package to the party getting up the club. Our profits are small, but we will be as beral as we can afford. We send no complimentary package for Clubs less than \$50.

Parties getting their Teas from us may confidently rely upon getting them pure and fresh, as they come direct from the Custom-House stores to our warehouse.

The Company linve selected the following kinds from their stock, which they recommend to meet the wants of Clubs, they are sold at Cargo Prices, the same as the Company sell their in New-York, as the list of prices will show.

All goods sold are warrented to give satisfaction.

PRICE LIST:
YOUNG HYSON (Green), buc, 90c., \$1, \$1 10, best \$1 25 ₺ ₺.
GREEN TEAS, 80c., 90c., \$1, \$1 10, best \$1 25 ₺ ₺.
MIXED, 70c., 50c., 90c., best \$1 ₺ ₺ ₺.
JAPAN, \$1, \$1 10, bast \$1 25 ₺ ₺.
JAPAN, \$1, \$1 10, bast \$1 25 ₺ ₺.
OOLONG (Black), 70c., \$0c., \$0c., best \$1 ₺ ₺.
MPPRIAL (Green), best \$1 25 ₺ ₺.
ENGLISH BREAKFAST (Black), \$0c., \$0c., \$1, \$1 10, best, \$1 20 ₺ ₺.

\$1 20 \$1 16. GUNPOWDER (Green), \$1 25, heat, \$1 50.

mind hearth, ecouply, and a high degree of pleasure in drink-ug them.

Our Blacks and Green Mixed Teas will give universal sulin-faction, and suit all tastes, heing composed of the heat Foo-Chow Blacks and Moyune Greens. English Breakfast is not recommended, excepting to those who have acquired a taste for that kind of Tea, although it is the finest imported. Customers can save from 50c. to \$1 per it by purchasing their

THE GREAT AMERICAN TEA CO., NOS. 31 and 33 VESEY-ST., corner of CHURCH. Post-Office Box No. 5,643 New-York City. COFFEES ROASTED AND GROUND DAILY.

GROUND COFFEE, 20c., 25c., 50c., 45c., hest 40c. per pound, totels, Saloous, Boarding-house keepers, and families who use trge quantities of Coffee, can economize in that article by use gour French Breaktast and Dinner Coffee, which we sell ntellow pricu of 50c. per pound, and warrant to give perfect stusfaction.

satisfaction.

Club Orders.

Washington, Pa., Nov. 10, 1866.

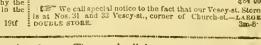
To the Great American Tea Company,

Nos. 31 and 33 Vesgy-st., New-York,

Gents: I forward you my tourth order and could have

=			LUTHER.	
=	10	lb Young Hyson, in pound packages at \$	1 25\$12 [	ŏ
=	5	Ib Young Hyson Dallas Jacksonnt	1 25 6 (	
	2	Ib Young Hysonllenry Herrickat I	1 25 2 (	k
	3	to Young Hyson George Murphy at 1	25 24	
:	į	to Young HysonE. Dyeat 1	15 13	
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į		to Ground Coffee Separate package at	35 1	

\$84 00





Joy of Faithfulness.—You know how preachers often speak of the joys of this life. I think they are apt to undervalue them. They make light o success, of riches, of comfort, of the joys of a happy home. I love these joys, and daily would thank God, by a constant cheerfulness, for what o them I have received or won. And yet they may be estimated too high. But the joys of goodness, of charity, of love to man and love to God, that faith which never wavers,—no man ever exaggerated these, or ean; as no painter can ever portray the sparkle of a star, or paint the varied beauty of a rose, or the sweet fragrance in a lily's cup; for man's imagination cannot come up to the fact, and his speech delays behind. All this joy comes to men and women from personal faithfulness to Goo's higher law.—Selected.







# Farming Miscellany.

ASPARAGUS.

Written for the Farm and Fireside, BY COSMO.

This is an excellent early vegetable that most people are fond of, and all who are not so, ought to cultivate a fondness for it, and cultivate asparagus for every day eating, so long as it remains in season. Coming as it dces among the very earliest of our Spring vegetables, and possessing mild medicinal properties, acting as an aperient and alterative, no other early vegetable is so wholesome and worthy of first-elass cultivation. Every family having a half aere homestead, ought to have in a corner of it an asparagus bed to snpply home consumption, and every market farmer ought to cultivate five times more of this vegetable, and bestow npon it four times more attention than has been the practice heretofore. A large increase in quantity, and improvement in quality, are absolute necessities, and will pay the producer largely for all extra ontlays.

A new system of asparagus cultivation that will cheapen production, increase the yield, aud greatly improve the quality of the material, has lately been inaugurated, and should become general. The seeds are sown early in May, in rich, warm, finely pnlyerized soil, and being thinned to about ten inches 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 inches from the ground, and the roots transferred to the permanent bed, which has been of many farmers with respect to their impledeeply dug, liberally mannred underneath, and ments:-" It is anjust to the maker, whose the soil in the finest possible state of commirantion. The roots are set in so deep as to to the agricultural interests, because the rapid cover the crown about an inch, in rows two deterioration in value of the machine lessens feet apart, the plants having a space between them of eighteen inches in the rows.

The planting having been accomplished, mulch all over the bed evenly, about four inches deep, with fine straw, or refuse hay litter, or, what is better than either, forest leaves, and having thus put the young asparagus comfortably to bed, and blanketed it secnre from frost bites, leave it to its long Winter nap.

In the Spring, as soon as the earliest vegetation begins to start, remove the mulching, rake over the surface carefully, and dress with some fine, active fertilizer, free from seeds of grass and weeds. We have found, in our asparagus practice of twenty-five years, the following composition to be the most efficient dressing of which we have any knowledge:-Three parts wood ashes, two parts plaster, two of refnse salt, and one of finely pulverized hen guano; the whole thoroughly 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 first Spring, but the second, and afterwards, on nn to the sixth season, you 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 vigorous and prolific, as well as better flavored, and more tender and delicate than that produced from old roots, as has been the universal practice.

June, 1867.

# RAISNG PEAR TREES.

will result in increasing the number of trees indefinitely. We suggest to all who are transplanting pear trees, to make experiments according to the process described below, as it will cost little or nothing to do so.

But if the fact be as he describes, why have not hundreds of us who have been digging up pear trees for the last twenty years, leaving for myself and intimate friends the most choice will completely destroy the effensive odor.

varieties of pears, which I obtain by means of the roots. Not a single one fails in this new process. It is immaterial in what manner they are set ont. This method I discovered aceidentally, in consequence of some roots on which 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 which were lost sight of and forgotten until the next Spring, when all of them sent up stocks, which, in the Autnmn, were as tall as those raised from the seed of two years' growth. They can be set out in the Spring as well as Antumn. If I had sooner known this method, I should not have lost a single one of my new varieties of pears, for roots could have been taken from all the kinds 10 Perry's new Gold Medal Mowers. in my large plantation at the time of its de- 100 Whitcomb's Wheeled Rakes, improved. struction. Such roots should be selected as 100 Horse Forks, all good kinds. have one or more terminal fibers, and those 10 Garfield's new Hay Tedders. that are often cut off or left in the earth when a tree is transplanted, succeed well. They can not be too small, but should not be larger than the finger. The wounds at the large ends of the roots should be eovered with the same composition to protect them, as in grafting. They must be set obliquely.

CARE OF FARMING IMPLEMENTS .- 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, impairs their cash balance at the end of the year. In the report of the trial of reapers and mowers at Auburn last season, oecnrs this timely and suggestive passage on the earelessness reputation suffers in eonsequence; it is nnjust the real economy in its use; it is nnjust to the eonsumer, because everything that enhances the cost of production necessarily adds to the price of the product." With reference to machines and their treatment, the report continues:-" As soon as the last work is done, the jonrnals and bearings should be wiped, and all dnst removed from the exterior, and the machine should be placed under cover, in a level position, where no part is subjected to strain. We are snrprised that such advice should be needed, but as it clearly is, we can assnre 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 WEATHER .- We don't insist on the appointment of a new "clerk of the weather," bnt his intemperance in the 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 So great a quantity of rain has not fallen, in Spring, for many years; and in many parts of the country half the corn is not yet planted. Even much that was planted comes np pale and sickly. There is this consolation-grass never looked better, and the caterpillars and the grubworms have been partially destroyed by the long continued 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, Dr. VAN Mons, of Belgium, has written a to cheer by their memory a long, sad life; letter to a correspondent of the Magazine of while words of cruelty, or carelessness, are Horticulture, in which he describes a new like swords in the bosom, wounding, and leavmode of obtaining pear trees, which, if reliable, ing scars which will be borne to the grave by their victim. Do you think there is any bruised heart which bears the mark of such a wound from you? If it is a living one which you have wounded, hasten to heal; for life is short—tomorrow may be too late.

To Purify A Sink.—In hot weather it is al' most impossible to prevent sinks becoming foul portions of their roots in the ground, found unless some chemical preparation is used. One them springing up and making fine trees? Let pound of copperas dissolved in four gallons of ns try it. The Doctor says: "I now propagate water, ponred over a sink three or four times,

# Advertising Bepartment.

### Rhode Island.

POR SALE.—AYRSHIRE BULL "JOHN ALDEN," four teen months old. Color, mahogsny and white. Pedigree HENRY T. BROWN. Arnold Mills, Cumberland, R. I. May 25, 1867.

Proprietors of the

RHONE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take orders for

500 Premium Horse Hoes, the hest in the world. 100 Kniffins, new, one and two horse Mowing Machines, which

are unsurpassed by any in the market, and warranted.

50 Union two horse Mowers, warranted.

500 doz. Hand Rakes of various kinds

400 " Scythes, from the best makers.

200 " Snaths, new and old patents.

200 " Hay Forks, Batcheller & Sons' make. 100 Revolving Horse Rakes, and all kinds of first class Farming

Tools and Seeds. Send in your orders early and they hal he filled promptly.

PROVIDENCE, R. I.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares s Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garder and Railroad Barrows, Sbovels, Spades, Forks, Iron Bars, &c Holder's Block, Main Street.

Holder's Block, Main Street, Woonsocket, R. I.

POUTH ANNUAL FAIR OF

### NEW ENGLAND AGRICULTURAL SOCIETY,

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

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NARRAGANSETT PARK ASSOCIATION CRANSTON, near PROVIDENCE, R. I.,

On Tuesday, Wednesday, Thursday and Friday,

SEPTEMBER 3d, 4th, 5th and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

\$10,000.

Horses and Live Stock, and one of the best Amie Tracks for last time in the world.

A large number of the most celebrated horses in the country have been promised as competitors for the very liheral premiums that will be offered, and the best breeders of full blood cattle and horses have determined to make this the fibrest and most extensive exhibition of Live Stock that has ever heen beld in New England.

A detailed Programme of Premiums, &c., will be distributed at an early day.

Fresident,

DANIEL NEEDHAM, of Boston, Secretary, of the N. E. Agricultural Socy.

WILLIAM SPRAGUE, of So. Kingston, R. I., President, VM. R. STAPLES, of Providence, Secretary.

THE NARRAGANSETT PARK,

which has been projected and laid out by Col. AMASA SPEAGUE is an enclosure of about eighty acres of land, beautifully located in CRANSTON, near PROVIDENCE, R. I., and accessible both by Steam and Horse Cars. The grounds are surrounded by a substantial and ornamental fence, twelve feet higb.

### THE ORAND STAND

Is unsurpassed in architectural heauty, by any structure fo similar purposes. It is about three bundred and fifty feet in length, and contains Drawing Rooms for hoth Ladies and Gen tlemen; Restaurants, with cooking apparatus attached; Com mittee Rooms; Exhibition Rooms; Club Rooms; and accom modation, UNDER COVER, for seating over five thousand per THE STABLES.

Forty commodious and airy stables have already been erect ed, and others, together with good and substantial sheds for al live stock that may be received for exhibition, are in process of

An ample supply of pure Spring Water will be provided for very department, and the best of hay, grain, &c., for feeding

THE TRACK

ountry. May 17, 1867.

### Massachusetts.

BY MAIL, PREPAIR.

CHOICE FLOWER AND GARDEN SEEDS.

NEW STEAMBERRIES, GRAPES, CUERANTS, ROSES, BULES, &C.

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# SOUTH DOWN CO.'S PATENT

# SheenWashTobacco

SCAB, VERMIN AND FOOT should be used hy all Farmers on

ANIMALS AND PLANTS

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It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sbeep.

It cures SCAB on Sheep

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For FOOT-ROT it is a sure cure, used as a poultice

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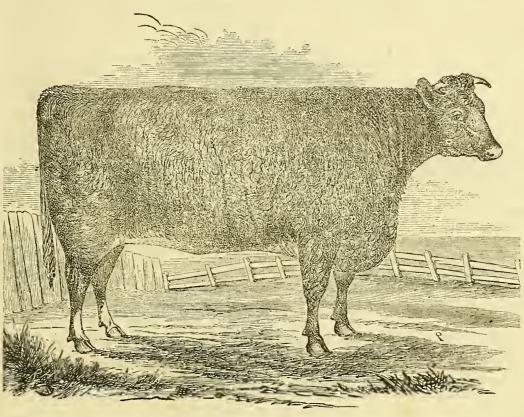
S. S. FOSS, PUBLISHER, MAIN STREET.

VOL. 1.

TWO DOLLARS PER ANNUM, IN ADVANCE.

WOONSOCKET, R. I., SATURDAY, JUNE 8, 1867.

NO. 22.



SHORT HORNED HEIFER "LADY SUSAN, 2ND," AT 20 MONTHS OLD. PROPERTY OF H. G. WHITE, SOUTH FRAMINGHAM, MASS.

The race of short-horns, for its antiquity and from deep blood-red through all the interme- thorough-hreds for breeding purposes must for dam. But the cross which I advocate and numbers imported into the United States and ing heing found of all these colors. Canada. Iu short, this favorite race is rapidly planting itself wherever there is any improveligent enough to appreciate their merits. In more zealous advocates in this country that England in crossing the short-horns, with to the descent and genealogy of this hig-bred own country the importations of this breed to the rich grazing districts of the West gives it a prominence above them all.

tifully variegated colors of the short-horn render him easily recognized by the merest tyro; but few who thus admire and recognize them point has been weighed and discussed, and its able, and how systematically the whole has been carried out.

permanence entitle it to be so considered, is, diate shades and mixtures to pure white, but many years prevent their universal adoption, with which I am best acquainted is that with without a question, the most universally popu- any other colors, as brown, black, or dun, are and it is only by crossing them upon our so- the Devon cow. I have uniformly remarked lar, and the most widely distributed of any of never met with in thorough-breds. Fashion called untives that we can reap immediate bene-that each succeeding cross was attended with the known varieties of eattle. Not only has it bas vindicated the rich red and purple roan as fit from them. Fortunately for us, no breed a proportionate improvement in size, quality established itself in almost every county of the most desirable colors, and after them red. more promptly and strongly stamps its impress of flesh, [?] and aptitude to fatten. In every England, in spite of the various local breeds, White is sometimes objected to, under the iunbut in Scotland and Ireland it is almost equally pression that it is apt to spread through a herd at home. On the continent of Europe it has and overpower the other colors; but this fear fairly gained a foothold, notwitbstanding strong is more commou in this country than in Eugnational prejudices, whilst the lately developed land, where white hulls are often used. Red contineut of Australia has taken her share of and white, in blotches, with defined edges not those noble animals to occupy her vast feeding running into roan, is disliked, and the term grounds. Some have gone to South Africa, "patchy" is applied to it. This discriminaand an occasional one to South America, the tion, however, as regards color, is entirely ar-West Indies, and Mexico, hesides the great hitrary, animals of equal excellence and breed-

The essential peculiarities of the improved short-horns are, early maturity, a great dispoment in agriculture or the rearing of eattle en- sition to fatten, a remarkable evenness in laycouraged or the English language spoken. And ing on their flesh, a gentle, quiet temper, and, they must make their way wherever soil and in some tribes and families, a large secretion of elimate are suitable, and the people are intel- milk. It has been claimed by some of their they make good oxen, but we hardly think, have been in the ratio of a hundred to one over however docile and powerful they may be, that that of any other, and its especial adaptation they can compete in activity and speed with heen put. Even with the Devons the result least from the date of the earliest registers kept some of the other breeds. Taking iuto consideration these characteristics, we see how ad-The majestic size, proud carriage, and beau- mirably adapted they are for the larger portion of our country. Wherever there is fair pasturage, good water, and shelter from the extremes of beat and eold, there the short-horn thrives. are aware how many qualifications go to make Over the broad prairies and blue grass pastures up this splendid whole, or how earefully each of the West, in the rich valleys of our great rivers, he roams and flourishes as though in his relative value decided; how the useful parts native vale, and readily adapts himself to the are divided from the ornamental and fashion- ehange of situation and elimate. But it is to the crosses of the short-horn that we must look for the most general adaptation and dissen-As regards color the latitude is very great, ination of the hreed. The high value of the leow where the produce was not superior to the stantly increasing herds seem to demand.

upon other blood thau this one. All the writers instance they have shown themselves superior advocate crossing the short-horn or other pure eight weeks of calving, and several instances races, with a view to their improvement. We have come to my knowledge where they have shall usually find, however, the most remark- never heen dry since they first ealved. able and satisfactory results when the shorthorn is put upon a mongrel or a lately estab- ly and evenly, and are ready to turn off at two lished hreed, as then the deep hreeding of the and a half or three years old. They are hardy sire will obliterate the numerous thin strains of as their native parent, and hear transportation the dam's blood, and the produce will resemble and driving admirably, shrinking less than the the superior race. The cross between the thorough-hreds. The greater proportion of the uative eow and the short-horn hull almost al- eattle now brought from Ohio, Indiana, and ways produces good milkers, and, as a whole, Illiuois, and from even further West, to supply they afford more milk of a hetter quality than the New York and Philadelphia markets, are any other breed, and, when dry, they feed crosses of this character, whilst the butcher is quiekly aud make excellent heef.

to the race upon which the short-horn bas the breed from their earliest existence, or at has been satisfactory; though this is somewhat hy the first importers of the breed, was started many excellent heasts bred from improved most of the pedigrees refer in their original never knew any one of these hulls put to any and is published at short intervals as the con-

ou cattle unite in this opinion, and some even milkers, and stand to the pail till within six or

The steers are thrifty and lay ou flesh rapidrarely disappointed in the fifth quarter.

Numerous experiments have been tried in So much importance has long been attached various results, but generally with advantage race that a herd hook, or authentic register of at variance with our preconceived notious of in 1822, by Mr. George Coates, in England, and hreeding, which do not lead us to expect much has been continued by his successor in the enwhere two such opposite and distinctly marked terprise, Mr. Henry Strafford, up to the present races, both of great antiquity, are brought to- time. It now numbers fourteen large octavo gether. We give below an instauce taken volumes, and records the pedigrees of 19,176 from a communication of Charles II. Bolton bulls, together with a much larger number of to the British Farmer's Magazine. After de- eows and their produce. America, France, seribing a heifer of this cross that had just been and Austria, have now their own "herd hook," fed and 'slaughtered, he says: "I have seen founded on the English or parent one, to which short-horns and long-horued cows. Indeed, I descent. Our own now numbers five volumes,



CURIOUS PROPERTY OF IRON.—In 1850, Mr. Marsh, an able chemist of the royal arsenal, England, discovered that it is invariable with iron which has remained a considerable time under water, when reduced to small grains or an impalpable powder, to become red-hot, and ignite any substance with which it comes in contact. This he found by scraping some corroded metal from a gun, which ignited the paper containing it, and burnt a hole in his pocket. The knowledge of this fact is of immense importance, as it may account for many spontaneous fires and explosions, the origin of which has not been traced. A piece of rusty iron, hrought in contact with a hale of cotton in a warehouse or on shipboard, may occasion extensive conflagration and the loss of many lives. The tendency of moistened particles of iron to ignite was discovered by the French chemist, Lemary, as far back as 1670.





# The Stock-Yard.

#### SHEEP DISEASES.

We copy the following report of a talk upon this subject at a late meeting of wool growers in Michigan, from the Prairie Farmer.

Mr. C. E. Stewart being ealled upon, stated that he had lost quite a number of sheep for two years past, mostly ram lambs. Last year paid hut little attention to it; this Sprng had paid much attention to examining the cases, and practicing upon them. Last year his sheep commenced dying after they had heen on grass about four weeks. Thought at the time the trouble was with their kidneys. The symptoms their little shoe-hammers in the ground. obscryed were falling out of the flock, stoping hy a fence in a drooping, weak condition; would revive aud then be worse. They were inclined to drink heartily just before death took place. Examinations showed the vital organs healthy; hut found in the small inteshair in plasteriug mortar. Found linsced oil and turpentine in doses of two ounces recommended for worms; gave it to four sheep, and they died in twenty minutes; reduced the their sleeping pens for them to go into at will. dose one-half, and gave it to more of the flock -no more died,

This year the same symptoms appeared before I turned them out; got the preparation again, gave it to one, it died in five minutes; found very few worms, but the liver was seriously affected; very rotteu and hrittle; little blood in the animal, and that of poor quality. Consulted family physician, and concluded the trouble was what is known in England as the "rot," but did not in all respects answer the description; gave touics, also whiskey, gentian, &c ; they had no effect except for a short time. Found salt recomended, tried it vigorously-tablespoonful at a dose-have now lost none since commencing to give it. Have noticed the following symptoms: Ears and nose cold, eyes and skin pale white, like a dead animal's skin. Wool does not seem to he affected, as it is hright aud oily when removed from a dead sheep. Would eaution every body against the turpentine and oil remedy. Mr. Martin had noticed the attacks in his flock among the yearliugs; tried to keep them up, hy high feediug, hut they commenced dying April 1st, lost all the two-year-olds. Found a swelling under the lower jaw, a spongy, watery mass, that when lanced discharged a clear liquid, freely. On examining sheep that died, found this watery substance extending over the whole hody, hetween the skin and flesh; examined hrain, found nothing unnatural.

Mr. Thompson of Ohio was one of the unfortunates; had lost valuable sheep, found the presence of gruhs in the head, thought that was the trouble. By the advice of a neighbor, tried tohacco juice and turpentine, (injected into the nose a tahlespoooful caeli,) on the halance of flock; lost no more.

BEEF CATTLE SHOULD BE FAT. - Farmers sell merely ordinary condition. In doing this there the meat hrings a lower price. Between is always a difference of two or three cents per Maine Farmer. whole number of pounds when the auimal is in the hest condition, will be found to he no hy those cognizant of the facts, that a considerfew bushels of grain or the few days upon a migratory character. They are herdsmen, good beef animal. Those of our readers who of rich grass ground, and when one section is soundness. Do not he in a hurry to market, under ordinary circumstances, until cattle are ket animals.

A Herkimer County, N. Y., dairyman estimates that 45 cows require 100 tons of hay to winter them through.

#### BREEDING SOWS

Every farmer is aware of the great liability to loss in getting a litter of pigs through the PLANTING ORCHARDS AND FRUIT GARDENS. first two weeks of their lives. The sow not unfrequently devours them as soon as dropped, or if not, they are more or less liable to be killed by the mother lying down, before the little grunters have acquired sense or strength enough to avoid the danger. The Agricultural Review gives some sensible advice in regard to the management of hreeders, from which we extract the following; suggesting further that the litter should, after two or three weeks, be allowed considerable liberty. It does them good to frolie on the grass, and learn to stick

"The food of the sows should he varied and moderately salt; abundant cnough to keep them thriving, yet not sufficient to fatten. It is well to give them charcoal occasionally and a trifle of sulphur. The slops of the house are good feed. All this tends to keep tines innumerable small worms, resembling the appetite in a healthy state, and to destroy the tendency of the swine to devour their young. They should not be closely confineda small yard, at least, should be attached to Change of quarters, especially when near the time of giving birth to their young, is apt to work injury, and should be carefully made if necessary. They should he supplied with a great ahundance of straw or other suitable bedding, and allowed to work it down somewhat fine and compact, and into a bed of their own liking. In Winter time it requires a warm pen, and ample hedding and care to raise the young pigs. If poles are placed around the sides of the pen high enough from the floor to give room for the pigs underneath, it will frequently save them from being lain on and killed, as the sow cannot press close enough to the wall to injure them, and she is not so apt to kill them in other positions as in this

> During the first week in the age of the pigs the mother should be disturbed as little as possible. Especially strangers should not approach her. Give her warm drink, and but a and is quiet, and takes care of her young, "let preparations. well enough aloue." After a week's time you can feed more, aud when the pigs hegin to come to the trough and eat, you will have ample space to dispose of all the spare meal aud huttermilk your premises afford.'

FEED FOR HORSES .- Barley for horses, I think, is about the poorest feed that can be given them. If they are doing nothing, they will fat a little on it; hut it is not like that produced by corn. If they are put into work, it will soon wear off. I have heen working horses and feeding them on harley, and changed to feeding them on corn; and after the second feed of corn I could see a great change in them. I could see that they felt more like work; they would straighten the traces quicker when spoken to, and they would hold out hetter through the day. For worktoo many of their beef cattle when they are in ing horses, I should give corn; and for horses to drive on the road, I should give corn and is a two fold loss that but few consider. The oats mixed together. If I had not the oats, I animal yields a less number of pounds and should give the corn alone. For a working horse, four quarts twice a day would not hurt ordinary heef and really choice, fat heef there him; and hy all means I should have it wet.-

CATTLE RAISING IN FLORIDA.—It is stated, mean amount. Nothing pays hetter than the ahle portion of the population of Florida is of good June grass, that puts the "finishing and pay particular attention to the raising of touch" upon what is generally denominated a cattle. The savannas there afford a wide range have followed this often repeated advice in our pretty well fed down the herds are removed to live stock market reports are witnesses to its a new location, and so on till the beasts are ready for market. There is a tinge of the patriarchal ahout this system, and, considering the really fat. The same applies to all other mar- saluhrity of the climate-a perpetual Spring and Summer-the life of a herdsman must he dreamy rather than exciting.

> There are in store at Chicago, 2,056,000 bushels of grain.

# Morticulture.

The jucreasing demand for every kind of fruit is encouraging many persons to lay out and plant new orchards aud fruit gardens. In evaporated, the vicinity of large cities the raising of small fruits has heer found very profitable, as herries of all kinds have been in great demand for the last few years, and as raspberries, hlackherries, gooseberries, currants, etc., come iuto bearing in a very short time after planting, there can be no objection on account of the length of time that these fruits take before they make any return for the outlay.

Persons who plaut orchards and fruit gardens now, have many advantages which the pioueers of horticulture were not favored with. The experience of several years has pointed out the varieties of fruit hest suited to various localities, and improved varieties have heen introduced which are greatly superior to the

We sometimes hear a man object to plantiug orchards or gardens because the prime of his life is past, and he thinks he may not live to eat the fruit of his lahor. The rapidity with which currants, gooseberries, raspberries, grape vines and dwarf pears come into bearing should completely upset these objections. The strawherry, raspherry and hlackherry vield some fruit the first year after being planted, and a full crop the second year. The Concord grape viue hears well the third year, and dwarf pears sometimes bear a fair crop the fourth year from planting. It is a good plan to plant standard Bartletts, Seckels and Louise Bonne de Jerseys, among the dwarf pears, as they will be ahout coming into hearing wheu will have room to develop into their proper the dwarf varieties have declined .- Western

### GARDEN HERBS.

CORIANDER.—Coriander secds are often used in flavoring confections and medicines. They are delicately aromatic, more so than most seeds used for like purposes. The leaves of small quantity of food. If she is doing well the plants are often used for flavoring culiuary

Dill.-The small green leaves of the plant, which resemble asparagus when grown, as the seeds, are used for flavoring pickles. Gather the plant when it is in full bloom with its small yellow flowers, which is in the Middle States, generally in the mouth of July.

HOARHOUND.—This is principally used to flavor expectoraut candies, and to make a tea, which is given in colds, as an expectorant and sudorific. The various communities of Shakers gather and prepare great quantities for sale. It is often found in a fresh state on the stands iu the markets.

LAVENDER.—This is a very agreeable garden herb, and its fragrance is readily perceptible in the evening if we are walking uear a hed of it. Large quantities of the oil are extracted by manufacturers, and sold in this condition, or made iuto an essenee hy dissolviug it in from the fresh, or dried and pressed leaf, is a sively. By this means, the plants become good carminative for flatulency and pain in the stomach, especially in children.

among several kiuds. Its warm aromatic flathe rows, so as to keep the plants erect. Iu adfor meats, and particularly sausage, turkey ers, and after the fifth topping, all laterals, stuffings, &c. A strong tea made of it makes whatsoever, are nipped off. In this way the an excellent gargle for some kinds of sore throat, and a good wash for canker sore mouth. As an adjunct it is usual to add to able by other means, the tca, for gargling purposes, hut not when used as a drink, a quantity of alum, and sometimes honcy.

of all the garden herhs. Both its odor and flavor commend it as a charming condiment than we at first supposed. In most places they for soups, and also for stuffings and sauces .- have been hadly ruined. The erop will he It is usually gathered green in the autumn and very short. Plums were also injured considerhung up to dry. As soon as it is dry, how- ahly. The oranges on our trees have not sufever, and before it is crisp enough to crumhle, fered at all. Figs and grapes not injured. In the leaves and small stems should be stripped fact, most of the harm fell on plums and peachoff aud pressed, which any hody possessing es.

ordinary ingenuity can do in a style good enough for home consumption. This plan of pressing the more aromatic herhs should he the general practice, instead of allowing them to hang in the garret and store room until the flavoring and odorous principles are mostly

Savory.—This herh is in such common use that we need not speak of it, only to say that there are two varieties, summer savory, as it is called, and a winter variety.

UNCULTIVATED OR WILD PLANTS.-BLOOD-ROOT.—The Sanguinaria Canadensis hlooms carly, with a pale, pretty flower, which grows on a crooked stem, like the violet, and is often used hy children to "fight roosters" with, as they term the operation of hooking the flowers together, and pulling them until one hreaks off and leaves the other the victorious "rooster." This plant is called bloodroot, because when the stalk or root is broken, there exudes copiously a blood red juice which has an acid, pungeut tastc. It is only used in medicine, as an expectorant and sedative, iu cougus and colds, and as an emctic and expectoraut in croup. The root may be gathered in the latter part of summer or autumn. It is the only part used, aud is generally made into a tincture with proof spirits, although the dried root is sometimes used in the form of powder.

### TRANSPLANTING ANNUALS.

Annual flowers are generally sown too thickly, and the tufts or patches may be much improved by thinning out the plants to proper distauces, and those which are taken up may he planted into bare spots, where they size. The German Asters are hardy aud hear transplanting well; they have also the very desirable properties of heing very beautiful and remaining in bloom for a long time. Portulaecas hear transplanting well, and are a very showy flower, which bears a succession of bloom until late in the Fall. The numerous varieties of the Petuuia bear transplanting well, and are so hardy that they bear a severe frost before they cease to bloom. There are some annuals which do not hear transplauting well. Amoug these are the Canhy Tuft, Morning Glory, Searlet Runner, Lupiu Poppy, etc. Even these, when taken up when they are small, with a ball of earth surrounding the roots, aud set out in moist soil, will do well. The operation must pe performed with a transplanting trowel, or anything that will take up the plants without damaging the roots.

FRENCH METHOD OF RAISING TOMATOES. As soou as a cluster of flowers is visible, the stem is topped down to the cluster, so that the flowers terminate the stcm. The effect is, that the sap is immediately impelled into the two huds next below the cluster, which soon push strongly and produce another cluster of flowers each. When these are visible, the hrauch to which they belong is also topped down to alcohol. The esseuce, or a tea made either their level, and this is done five times successtout, dwarf bushes, not above eighteen inches high. In order to prevent their falling over, SAGE. -The commou green sage is the hest sticks or strings are stretched horizontally along dition to this, all the laterals that have no flowripe sap is directed into the fruit, which acquires a beauty, size and excellence unattain-

FRUIT IN LOUISIANA, -The Planters' Banner THYME.—This is one of the most agreeable of the 13th ult. says:—"The peaches prove to have been damaged by the March frosts more



A PAPER published at Saigon, a city and river port of Assam, Farther India, reports some extraordinary items of natural history from the land of the Assamites. Among other wonders it says they have there a certain fish, called ca-ong in the language of the country, which has distinguished itself to that degree that the king has hestowed upon it the proud title of "Nam hai dui hnong gnau," which, as everyhody knows, means "Great General of the South Sea." It appears that this laudable fish is in the hahit of quietly paddling round the ships near the coast until somehody tumbles overhoard. He then seizes him instantly, and, instead of eating him, gently carries him in his mouth to the shore. It is about thirty-five feet long, possesses front teeth like an elephant, very large eyes, a black skin very smooth, a tail like a lobster, and two wings on the back.





## The Farm and Fireside.



### The Fireside Muse.

#### JERUSALEM THE GOLDEN.

Jerusalem the Golden, I languish for one gleam Of nil thy glory folden In distance and in dream!

My thoughts, like palms in exile, Climb up to look and prny For a glimpse of that denr c That lies so far away.

Jerusnlem the Golden, Methinks ench flower that blows, And every hird n singing, Of the same secret knows I know not what the flowers Cnn feel, or singers see, But all these Summer raptures
Are prophecies of Thee.

Jerusnlem the Golden, When sun sets in the west, It seems the gate of glory, Thou city of the hiest!
And mldnight's starry torches, Through intermediate gloom, Are waving with their welcome To Thy eternal home.

Jerusalem the Golden ! Where loftly they sing, O'er pain and sorrows olden For ever triumphing! Lowly may be thy portal, And dark may he the door, The mansion is immortal !-God's palace for His poor.

Jerusalem the Golden! There all our hirds that flew-Our flowers but half unfolden, Our pearis that turned to dew-And all the glad life-music Now heard no longer here, Shall come again to greet us,
As we are drawing near.

Jerusalem the Goiden! I toil on dny hy day; Heart-sore ench night with longing I stretch my hands and pray, That midst Thy leaves of healing, My soul may find her nest, Where the wicked cense from troubling-

### The Field.

### DO WE MOW TOO MUCH LAND?

WILLARD, in one of his agricultural letters from Europe, a short time ago, discussed this question, and says that when 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. Wherever they can irrigate meadow land it is done, 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 production of hay on arable lands, in regular rotation crops, under three, four or five course shift. For instance, the rotation may be wheat, turnips, harley, grass. The last may be mowed one or two years, according to the shift adopted, when the land is broken up and put to wheat. New, under this system, the the following method of keeping potatoes for is from an eight to a quarter of an inch in often with from 11/2 to 2 hushels of the lighter instances the tubers were diseased when taken liber and adjacent wood, and grows apace unseeds, and 12 to 15 pounds of the clovers. The out of the ground: "Dust over the floor of til cold weather commcuees, when he usually result is an immense yield the first year-as much as 21 tons and more per acre. I went inches deep of potatoes, and dust with lime as face of the soil, and there hybernates during upon meadows of this description where the yield of hay must have heen at least 21 tons, and I estimated it at 3 tons per acre. Then, in Winter, they ehop the coarse fodder or straw, and feed with oil cake, and in this way get along with much less meadow land than the flavor than otherwise." do our farmers, besides keeping more stock and making more and hetter manure.

WE learn from the West that the grass on six weeks later than usual.

#### WASTE SUBSTANCES AS MANURES.

REFUSE CHARGOAL.—The refuse chargoal obtained from the rectifiers of spirits, from the railroads where wood is hurned in locomotives, from old charcoal heds, etc., is a very useful material in the garden. As a mulching ahout fruit trees I consider it very valuable. It keeps out frost in Winter; it keeps the soil loose and moist in Summer, and it does not don Jeweller. His eases contain specimens of afford a harbor for mice or insects. In the soil it assists to promote moisture in a dry season; and hy its slow decay (for it does decay more rapidly than is generally supposed) it yields earbonic acie gas to plants, and greatly assists in the decomposition of vegetable and mineral matter. It is an excellent mulching for strawherries, iu Winter or Summer.

ROAD SAND.—The sand obtained from turnpikes, or roads macadamized with any sort of stones like granite, hard blue stones, very difficult to hreak and pulverize, has a peculiar value. The grinding of such rocks or stones under the iron-rimmed wheels of wagons, the wear of horse-shoes, and the mixture of this the roads-produces a compound which is found to be highly acceptable to trees and plants. The granite rock, we know, is rich in value. By the process of grinding and triturating inert substances, such as oyster shells, charcoal, quicksilver, we develop medicinal and other virtues which these substances do supposed to he with road sand. By the con- than to bungle. stant grinding and triturating of the iron-bound wheels and horses' shoes, the comminuted granite becomes prepared for the use of plants; and when this road-sand is mixed with the compost heap and saturated with liquid manure, it is found to help the efficacy of the compost in a remarkable manner. Under the influence of road-sand of this kind alone, it is said that when applied to lawns, white clover is sure to spring up in the greatest abundance and luxuriance where it had never been seen before. -Dr. J. S. Houghton, in Gardener's Monthly.

SEEDING LAND TO GRASS.—A farmer of Herkimer county, N. Y., talking at a recent farmer's discussion, said he thought that farmers often sow too much seed. Had tried heavy seeding, putting on double the quantity usually sown, and did not get a good crop of grass; would sow from eight to ten quarts of timothy, and two to four quarts of clover per acre, then hush and roll the land. Some thought that bushing and rolling were not enough, and that the seed should be worked deeper with the harrow; would give the land a coat of manure after sowing; any coarse manure would do; it acted as a mulch. If pains are taken to manure the land after sowing with five loads of mauure per aere, spread on, also, a little plaster, the erop of grass will not fail to be good. Thought the heavier seeding gave a crop of grass having less woody fibre, and consequently, an equal weight had more nutritive value than that from lighter seeding.

PRESERVING POTATOES. - A correspondent of the Scientific American says that he has tried inch from the starting point; at this time he and when put down to grass is seeded heavily, years with complete success, though in some length. He now commences to feed on the the bin with lime and put in about six or seven leats his own way downwards below the surbefore. Put in six or seven inches of potatoes the winter. (At least I think he hybernates.) and lime again; repeat the operation until all are stored away. One hushel of lime will do for forty bushels of potatoes, though more will not hurt them—the lime rather improving

and the value about \$190 per acre.

### Various Matters.

#### CORAL JEWELRY.

The Paris correspondent of an English paper directs the attention of sight-seers in the Exhibition to the brilliant display of eoral jewelry from the establishment of an eminent Lonevery variety of natural coral, as well as of every ornament into which it has been wrought by art. The necklaces, bracelets, ear-rings, beads, bouquets, foliage, eameos and bas-reliefs are described as of the most elaborate 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, for taste and skill are not too plentiful in the dear at any priec.

Te secure a different result several things are ground rock with the manure scattered along needed. Of the varieties of coral known to commerce the number, we helieve, is fifteen. There are several which are totally unfit to be worked into the higher forms of ornament. A potash and silica; but it is not these elements discriminating choice of material is the first alone which give this road sand its peculiar step. The second is the determination of the form. For this an artistic taste is needed, which does not make part of the stock of every goldsmith. The third indispensable requisite is a skillful hand. The cutting must he at not possess in their crude form. And so it is once sharp and delicate, and nothing is easier

> Under certain conditions coral is an excellent material for art. Its heautiful color, the solidity of its tissue, its resistance to atmospheric action, and the fine and soft polish which it readily assumes combine 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 helieve that there is present among the collection in the cahinet of Yalc College a specimen which is unsurpassed in this coun-

### THE APPLE TREE BORER.

A SURE REMEDY AGAINST HIS ATTACKS.

I say in the heading of this article, "a sure remedy against his attacks." Yes, and I helieve the only certain and reliable remedy. The apple horer is the larvæ or grub of a certain very beautiful bug or heetle, which deposits its eggs at or near the surface of the ground, on fifteen to thirty eggs, or else they lay different ing his way through the bark of the tree, which farmer's library, it takes him from six weeks to two months to accomplish - not usually going straight State of Rhode Island and will call upon our through, but reaching the wood about half an friends to subscribe.

The next spring, as soon as hard freezing is over, he goes to work vigorously, still feeding on the liber or inner hark; by fall he will have attained a length of ½ to ¾ of an ineb, when he always-I believe-works his way below the snrface of the soil and apparently feeds but lit-Grapes in California. -- A Mr. Keller, of the until spring. With the commencement of Giles, South Framingham, Mass., who offers Los Angelos, estimates the wine yield of that warm weather he is again vigorously at work, for sale the pick of his fine herd of Alderney country in 1866, at 1,190,000 gallons. The and as he has attained considerable size, it cows and heifers, and also Suffolk pigs that are the plains is not sufficient for pasture. It is yield per acre in grapes is about 12,000 pounds, takes considerable to supply his commissary not surpassed in the country. To see them department during the coming summer. Dur-will be to buy them.

ing this third and last summer of his life is the time when he does the most of the damage.

In a tree one or two inches in diameter, one borer will eat all around until it comes within a quarter of an inch of girding it. In larger trees, there are usually from one to five to a tree, if any; one borer in a tree three or four inches in diameter does not generally injure it fatally without he cuts clear around it, which is not often the ease; but when there are more they almost always cut within about a quarter of an inch of each other's burrows, which generally 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 following May, our borer cuts, a hole directly through the trunk of the tree, a few inches above the surface of the soil, within all but a shaving of world, and the jewels of this material which we the bark ou the opposite side; then drawing commonly see are coarse, clumsily cut, and are himself hack a little, he goes into the chrysalis state, from which, in the course of a few weeks, he emerges a perfect bug.

Now, having followed him through his changeful life, and knowing something of his habits, I will suppose that I have a young orchard of any number of trees, say a thousand; the second season after planting, about the last of July, or during the first half of August, with a commou hoe, I take all the weeds and other trash, and about an inch of soil, from the erown of the trees; then, any time from the first to the middle of September, with a pocket-knife, examine earefully the stem of each tree; the horer can be readily found by the refuse thrown out of the hole made on entering; this refuse of a horer of the same season's growth, will be about 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 year, there need he hnt few, if any borers missed, and as they are more easily found the second fall of their growth, and can have done but little damage at that time, we would never receive any serious injury from them. Now it is no great task to do this; a man will clear the litter and soil around a thousand trees in a day, and can take the borers out in another day. I will agree to do hoth jobs carefully in one day's time. - Prairie Farmer.

THE AMERICAN FARMER'S HORSE BOOK. By Robert Stewart, M.D., V.S.

This is a handsomely bound, abundantly ilustrated work of six hundred pages, written the trunk of the tree, during the months of by a veterinarian of twenty years' practice. May and June. I think each bug lays from In addition to the subjects usually treated of in similar works, it contains a full description clusters of them; hut it is no matter—they lay for the causes and nature of several diseases enough of them any way. These eggs hatch peculiar to the American horse; original and out in a week or two, a nice, plump, little effective modes of treating some diseases hereborcr—yellowish white, with a yellowish red tofore considered incurable; and an extensive head-very small and trifling at first, but he treatise on stock raising and stock management. immediately begins to fulfil his destiny by eat- The work will be a valuable acquisition to the

Geo. W. Hudson is eanyassing agent for the

A HINT.—Those who keep their wagons and carriages in good order, should 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 vchicles as well as the harness. For want of a little attention accidents have happened and damage been sustained, therefore take the hint.

We take pleasure in calling the attention of purchasers to the advertisement of John



AGRIOULTURAL Envolution.—Talk of agricultural improvement, of the difficulty of getting the lahorers to take to a new implement, or adopt an improved method! What makes you to see its advantages and adopt it? Your mind. What cultivates your farm hetter than your neighbor's? Your mind. If that alone be left uncultivated around you—at every point, at every town, in every field, in every hedge, in every ditch, in your house, in your dairy, 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 allowed to sow itself, the moral weed crop, will meet your eye to baffle and torment you with the feeling so truthfully expressed when you say that you "have not a single mind you can depend upon." No wonder; you have never tried to make one.





### Field and Farm.

#### POTATOES.

Written for the Farm and Fireside, BY ALEXANDER HYDE, LEE, MASS.

The scason for planting potatoes has returned, and a few thoughts on this most important of our esculent roots cannot be untimely. The potato (Solanum Tuberosum) is a native of America, and is one of the richest contributions that our land has made to the is by reproduction from seed, and not by cross food of man. It was introduced into England breeding, as others maintain. He estimates by Sir Walter Raleigh in 1586, but was very the life of a variety to be ahout half a ceutury, slow in making its way to popular favor. In books of gardening, published a century after It is hoped that the mantle of Mr. Goodrich their introduction, they are spoken of slight- will fall on some worthy successor, as it is ingly, as fit only for poor people. Evelyn, highly important, if his theory of the decay writing in 1699, says: "plant potatoes in your of varieties from age is correct, that ehoice worst ground," and the "Complete Gardener," new sorts should be originated, and we see no published in 1719, makes no mention of the reason why still further improvements may not potato as among the products of the garden. It was uear the middle of the eighteenth cen- perimenters in this line, that more regard he tury that their virtues began to be appreciated. had to the form of the potato. Why ean not The primitive mode of raising them was on the same ground year after year, gathering a aud a smooth, round or oblong potato he defew tubers in the Autumn for Winter use, and veloped? By the census of 1860 the amount covering the balance with litter that they might of this crop grown in the United States was seed originally, and such cultivation, no won- about one hundred millions of dollars, an ishes," 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 fraction of their diet. It is only by the Anglo Saxon race that the potato even now is much valued as an article 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 considered the most healthy and certain of crops, and five hundred bushels per acre was no uncommon 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 persevering efforts of a few skillful originators of uew varieties, the disease seems to have reached its 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 con- turn. The ash of the potato shows a large tinued propagation, year after year, by cut- per cent. of saline matter which is most tings. The fact that the new varieties raised eheaply furuished the growing tubers by wood from seed are generally healthy, favors this ashes. We have found it an excellent plan, idea. Possibly the theory of the late Mr. after the potatoes are cut, to place them iu a Knight, the distinguished horticulturist of Eng- barrel, and spread over them a quart or two of land is true, who maintains that the life of all fruits and vegetables is bounded, and that the the gypsum will he found well plastered on the cion, grafted from one tree into another, will moist face of each piece. If a little fine salt not live longer than the prescribed limit for is mixed with the plaster it will be au improvethe life of the tree from which the cion was ment. taken, and so with all vegetation propagated by cuttings. If this theory is true some fruits and vegetables must be long lived, but whether witness, and it is safer to plant potatoes that bor. The cultivator run between the drills, as consequences of ignorance. are freshly started from the seed.

investigate the potato disease and to restore the tuber to its original health. For the last cuted his experiments with enthusiasm, and with the sole object of prescrving this valuablc esculent to the world. In this time he the unpleasant effluvia from the potatoes peneoriginated fifteen thousand seedlings, but as he trating through the house. said "only a painfully small proportiou of good sorts." At an expense of two hundred to the Early Goodrich for Summer and Fall regular production of many more tender fruits dollars, he procured a few potatoes from Chiti, usc, and the Garnet Chili for Winter and which were once readily and abundantly grown. the native home of the tuber, and from them, as a base, he originated new seedlings, and tried, whether on the Atlantic seaboard or in seedlings.

the States West of the Mississippi. Mr. Goodrich was a most accurate observer, and a most conscientious and benevolent man, and had his life been spared, he would have made still 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. penses exceeded his income from his sales.

Mr. Goodrich's observations led him to conclude that the potato grows old and feeble with

Written for the Farm and Fireside,
Written for the Farm and Fireside,
UNITED STATES? clude that the potato grows old aud feeble with time, and that the true mode of renovating it varying somewhat with the climate and soil. highly important, if his theory of the decay be made in this esculent. We suggest to exdeep eyes and large excrescences be eradicated originating and selecting varieties and in their cultivation.

The potato is indigenous to the table lands of the Andes, and loves a climate that is uniform, neither too warm nor too eold, neither too wet nor too dry. A sandy loam is the favorite place for its bed. A clay soil, iu a wet season, is specially unfavorable to the health of the potato. It envelops the tuber too closely, diminishes the action 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, seemed to render it peculiarly liable to disease, but with the new, healthy varieties, we feel 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 pieces with two or three eyes in each, at intervals of ten or twelve inches, and if the work is done as soou as the ground is light and dry, we are reasonably surc of a good replaster, and giving the barrel a little shake,

The cultivation of the potato in a mclow soil is exceedingly simple. If the weeds show themselves before the potatoes appear, a brush soon after each heavy shower as the ground is We are under great obligations to the late dry, keeps the land light, and Share's double and he discovers that he cannot arrest or con-Rev. C. E. Goodrich of Utica, who has done mould board cultivator, with the teeth takeu trol, with all his jugeuuity, the certain march dry time and place immediately in a gool, dark he must succumb in the warfare with uature; ecllar, and if there is any appearance, or even and that his only safety lies in working with sixteen years of his life, Mr. Goodrich prose- apprehension of rot, sprinkle a little fine lime over the hin. We have found this au excellent antidote to the decay, and it also prevents

Spring. In health, productiveness and quality, the three leading characteristics of a good poone out of a thousand proved good. Of these tato, they excel all others we have tried. The deny; then wherefore have they resulted, and the Early Goodrich and the Garnet Chili are Colebrook seedling is a smooth, well formed

Among the edible vegetable productions of ren, over a wide portion of the interior, is in our country potatoes rank the fourth-eorn, wheat and oats only outrauking them, and shown that the injury done is now beyond rewhoever contributes a good new variety, or paration. throws new light on their cultivation, we hail as a public benefactor.

June, 1867.

BY J. S. LIPPINCOTT, N. J.

It is obvious to the common understanding that the face of the Northern United States, in the present day, must differ widely from that it exhibited when first known to the Euroin wood; that one almost unbroken forest extended from the Northern frontiers of Canada ion of meu unites iu the belief that the climate, over the entire New England and Middle States, portions of the Western and far into the South; the globe. Many of us have seen the remnants of this mighty forest, have rouned among its massive pines and hemlocks, its giant oaks, its primeval"-a mournful requiem over their felstock the land for another season. With poor 110,571,201 bushels, worth at present prices lows, who enduring unseathed the tempests of hut that the seasons are now totally altered, centuries, have fallen at length by the ruthless and the weather infinitely more changeable. der they were considered "inferior to rad- amount sufficient to justify no little care in hand of destroying man. So great and extensive has been this wasteful removal of the timber trees, it would seem to have been realized, as of old, that, "a man was famous aceording as he had lifted up axes upon the thick trees." Were we permitted to translate the ancient text, we would have preferred to call him infamous who should so lay waste the heritage of the Creator, destroying the good gifts which were designed to bless our race. Ignorance may not be the parent of every evil, but it is truly the source of untold mischief, and cntails as certain punishment as if it were a sin recognized by our moral code. Unfortunately, the moral sense of the community has not yet perseived wherein it greatly errs, in its under estimate of the value of a comprehension of, and obedience to, the physical laws of the Creator. By many it may be considered unreasonable that it should so do while scarcely coguizant of their existence and even ignoring many of the moral laws, obedience to which deeply concern not only our temporal 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 fixed as fate; yet so easily understood in 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 promptly does the reward of this neglect of the Creator in his works follow the error, it would almost seem that Hc esteemed the disregard of His labors and His laws a contemuing of His goodness and His wisdom. As His chastenings are ever tempered by merey, we may safely true or not, varieties do seem to run out, as harrow run lengthwise with the drills will wipe regard our sufferings as incentives to enquiry, the Virgalieu pear and the Carter potato bear off the tender sprouts and save much hand la- that we might learn His ways and escape the

> Sooner or later the truth is forced upon man, her; studying her plans, and laying his own parallel therewith.

These remarks appear to us a natural preface to the consideration of the causes which have heen at work for a few generations modifying As for varieties we know nothing superior our climate, and rendering it unfitted for the

> That such chauges have been brought about, no reflecting or well informed pomologist will how can the attendant evils be remedied; and tion of our forests rendered our fruit trees bar- down."

itself a very interesting question, even were it

It has been 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 because we have now and then a season of severe cold precisely as known to our greatgrand fathers, we have not become warmer, and hecause we suffer from an occasional "heated term," we have not become cooler. But that a change has taken place is ohvious to the pean adventurer. We are told it then shounded poniologist, if not derivable from the records of the meteorologists; while the common opinas respects heat and cold, has heen modified, and that though no sensible change has been forming the most extended hody of timber on made in the meau annual temperature, such a modification in the distribution of heat among the seasons has been produced as greatly to influence vegetation. Historians of the States syeamores, its poplars, and its beaches, and earliest settled inform us that the seasons and listened to the wail of the forest "the forest the weather were uniform and regular during the first years of the arrival of the colonists, Observations longest continued in the United States, ou which reliance is placed to dispute these conclusions, have been made in cities where the influences of the surroundings had already heen long at work; and where the shelter 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 takeu place in our elimate, have heen made in the wrong direction; that the modifications, to which we helieve we have been subjected, are not due to temperature alone, but to exposure to storms and to the drying influences of unchecked currents of air. It is not of as much importance to determine whether the mean temperature of a year, or of a season has been modified, as it is to ascertain whether we are now more liable to visitations of extremes of temperature at but our eternal welfare. But Providence "has periods when these extremes may prove detrimental to our products, agricultmal or pomological.

> The removal of forests, has in the opinion of close ohservers 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, increased aridity of the air of a district; greater prevalence of droughts 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 consideration on our part, lest we also eurse the land and convert our fair heritage into a wilderuess.

June, 1867.

GAS LIME AS A FEBTILIZER. -An officer of more than any other man in this country to out, will hill up better than the hoe. Dig in a of causes which are at work around him, that the Edinburg Gas Company, writing to The zer, savs:

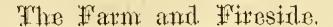
"I helieve that waste gas lime is equal in efficiency to fresh limc for most of the purposes aimed at in its use in farm lands. I sold all the lime thus produced at the gas works in Forfarshire, for 16 years, to several farmers, who uniformly expressed their satisfaction therewith. One very useful application of it was its mixture with the large pile of weeds and tangled roots of grass cleared off the fields annually. Ou being composted in this way, the lime gradually killed all the vitality of these weeds, and returned them to the laud in the most widely disseminated, though the Cali-potato of excellent quality, evidently originat-are these results general, and if not, where are the way of manure. It also served the purco, the Gleason and Harrison are excellent ing from the old Land Lake, but by no means the favored districts yet boasting their primitive pose of opening up stiff clay soils, being first potatoes, free from rot, and flourish wherever as healthy or productive as Mr. Goodrich's fruitfulness? The question why has the destruc- spread over the surface, and then plowed



AMERICAN BEE PLANT.—This plant, introduced about 1859, or '60 and quite extensively used in New York and Illinois, has proved to be the hest honey roducing plant ever known. We see it stated in the *Prairie Farmer* that while this plant is in bloom the bees discard huckwheat and all other flowers producing plant ever known. We see it stated in the *Prairie Farmer* that while this plant is in bloom the bees discard nuckwheat for it. The honey stored from this plant is pronounced the most palatable and the finest in every respect by experienced persons. and has a fine appearance in the flower garden. It is a strong grower and much blanehed like the common mustard plant, though its flowers are a bright purple, and are in bloom from midsummer until the frosts of autumn destroy it. It will grow on any soil, although it flourishes best on a rich one, and is sown in drills, or if the ground is clean, broadcast. To insure its early blooming it is best to sow in autumn.









G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JUNE 8, 1867.

AGBIOULTURE feeds us; to a great extent it clothes us; without II we could not have manufactures, and should not have com-merce. These all stand together like pillurs in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### FRUIT CROPS.

Notwithstanding the cold, wet and backward Spring, we are receiving information 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 harvest is abundant-far ahead of last year's production. Several 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. Heretofore, in years past, the demand has exceeded the supply. Everybody, rich or poor, in town or city, is fond of this delicious fruit, and no fears need be entertained of an over-supply.

The report in regard to raspberries and blackherries is not uniformly favorable; but the present indications are that the erop will be ample. In some parts of the country the canes suffered from the severity of the Winter. This will teach many fruit-growers the importance of winter-protection for the more tender varieties. This is easily done by covering the stems, when prostrate, with a thin coating of earth, straw, &e. Pruning the raspberry and blackherry is not thoroughly 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 is good. At least five thousand acres of new bogs will come into bearing this year, from districts already heard from through our special correspondents.

Of peaches, we have received contradictory reports within the past fortnight. The blossoms, and even the young fruit, were partially injured 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 are chronic falsehoods circulated every year by over the railroads diverging from the great lights not in the life of the fool." peach-growing districts ! This is strong evidence that an unusual crop of peaches is anticipated. To corroborate this is another "fixed fact." At a meeting of the peach-growers of Delawarc, held at Dover, 23d ult., it 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!

### OUR BIRD FRIENDS.

mraf arts: when the heart of philanthropy was not as large as it now is; when the lacteous fluid of human kindness was generously watered, and when the charms of the country were but dimly appreciated, Tom Hood asked

> 'What churl would for their songs hegrudge Fruit to the blackhird and the thrushes

Hoop was a poet, not an entomologist, yet he knew that hirds subsisted on fruits and insects. harmless and innoxious birds—those little In the Southern States, both beans and peas a bad condition. Remember this. friends that visited his garden; that huilt their are frequently used as organic fertilizers; they dwellings in his orchard, and that cheered his are ploughed under, as a greeu crop, at a cerheart with their free-and-easy songs. Hence, tain period of growth. When this crop dehis satirical "hit" at the churls who poisoned cays it produces ammonia—the value of which lawn use; short, broad scythes are best.

the feathered tribe.

the scientific farmer will corroborate it. The plants are valuable. ablest writer on ornithology, Audabon, who tainty that uearly all the birds which frequent our orchards, gardens and farms, are instrumental of good, are in fact, laborers and coworkers in agriculture and horticulture.

Now and then we find an intelligent manone among a hundred illiterate ones-who he always selects the most voracious fruit brigand of the feathered family, and his deduction, 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 uright as well add they are all of the same species, all of one ideutical variety, and the little titmouse meu possess so great a knowledge of ornithology, 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 to many grain crops. We have armies of cankerworms, curculios, caterpitlars, wheat midgwere flooded through the Winter, the prospect es, &c., now, often losing a great part of onr crops; but destroy the birds and count the sacrifice. The experiment of killing all birds 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 melodyencourage them for their heneficent acts, and write this plea for their special benefit. The season is near at hand when strawberries and cherries ripen in our garden, and we herehy Jersey, we have encouraging reports. There extend a cordial invitation to our bird friends to come and see us, to partake of our fruit. peach speculators to affect the market value of We don't raise it for greed or profit, nor are this crop. Indeed, of late years, this class of we so despicably mean as to "begrudge for fruit gamhlers have had complete control of their songs" a few cherries or strawberries to the market. But their stories are off-set this the poor birds. To those who intend to use year by the fact that peach shippers have con- fire-arms against our feathered proteges, we tracted for double the amount of freight cars remind them of Solomon's words: "God de-

### LEGUMINOUS PLANTS.

Too little attention is given to the culture of leguminous plants-that numerous class which have their seeds euclosed in "pods." All the beau and pea family belong to this sort of "bivalve species," and are profitable crops on most soils. It is not the amount of money netted from these crops alone, but their profit HALF a century ago, when fruit-culture had leguminous plants abound in nitrogen, and heuce are valuable for their great nutritive properties. Stock fed on ground peas or beans will fatten much faster than on ground corn, wheat or harley. The feeders of prize beef and mutton, in England, understand this, and justly attribute their success and profit to the the disease. liberal use of leguminous food for animals intended for market. The vines of these plants contain considerable nitrogen-more than clo-He knew, also, that there were clowuish and ver-and are highly esteemed by sheep and ignorant farmers in England who exhibited cattle. Yet many farmers waste these vines, their barbarily by the wholesale destruction of for wholly fail to gather them for Winter use.

FARM AND FIRESIDE. their wheat fields and wasted gunpowder on every farmer understands. Clover is generally regarded as the best green crop to plough into To-day, Entomology teaches us that all the the soil; but Southern planters have assured predacious birds are insectivorous; that while us that peas and beans are vastly superior to they eat, as mere dessert, some of our fruits, clover. Experience taught them this, and we they chiefly subsist on noxious iusects. The firmly believe their deductions are correct. observing horticulturist will tell you this, and Both as forage and manure all leguminous

> But we write this article more to remind our spent five-and-twenty years among birds, trav- farm friends of the importance of planting an clling from Maiue to Oregon, from the great extra quantity of beans this year. It is not Northern lakes to the Gulf, adds his testimony too late, even now, to extend your field crop in favor of our bird friends. Later writers on in this line. The cold Spring has delayed natural history have offered many cloqueut corn planting, and probably not so many acres pleas on the same side, demoustrating to a cer-z are planted as would have been if the season had becu earlier and more favorable. Beans will grow ou all soils, but the best is a warm, sandy loam of moderate fertility. If the soil is 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 sidetakes the opposite side of this question, and hills and old plains. Many farmers in the elaborates an argument against the birds; but New England States plant among corn; but we are decidedly opposed to it. Better cultivate in a field by themselves, for corn needs all the food found in ordinary soils. Deep and thorough plowing is essential in this crop, as the roots will peuetrate a well broken soil to a considerable depth. Besides, beans like mineral substances, and stretch out their roots for particles of lime, potassa, phosphoric acids, wren is a young turkey-buzzard! If such letc. Plant more beaus, then, especially if you want to produce some extra beef or mutton uext Fall or Winter. Farmers who have had no experience in feeding ground beans to fattening stock should try it at ouce. It is evidently worth trying.

#### "WHAT IS SILICA ?"

A CORRESONDENT, writing from Steuben eounty, New York, asks us to give a defiuinition of "Silica." We cheerfully comply, but may not give a scientific answer; nor one past, has been caused by the Aphis. that every agricultural savant will endorse. Silica is a common unincral—the purest and sharpest sand-which has acid properties, and is formed by the chemical union of two atoms of oxygen. Sometimes this is called "silicic acid," because it combines readily with potash, soda, lime, alumina, iron, &c. In one hundred parts of pure, sharp sand, there are about fifty parts of oxygen-balance silicon, which is the elementary base. Now every farmer knows, or ought to know, that pure sand is insoluble in water; yet more than sixty per cent. 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, of 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 agricultural products, add to individual prosperity and swell the aggregate of national wealth. Yet three-fourths of those engaged in farming, 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 humiliating facts-it surprises us that farmers thrive at all. No other rality of farmers.

THE CATTLE PLAGUE in England breaks out anew, now and then. The last attack was abundantly. The latest we notice, is "The confined to three mid-land counties, and but Farmer's Home Journal," a weekly published few animals were lost. The total number of at Lexington, Kentucky, by Miller & Marrs, cattle reported to have been attacked in Great \$3 per annum. It is in quarto form, neat in Britain, since the rinderpest made its appear- appearance, and deserves success. ance, is 253,902; and 52,704 healthy cattle have been slaughtered to prevent the spread of

PIOKING STRAWBERRIES. - In gathering strawberries or other small fruit, don't pick them when wet with dew or rain. Fruit gathered in this way will mould; and if sent a conside-the East. rable distance to market will always arrive in

lawn. Common farm scythes are hardly fit for the surplus for seeding. He thinks the wheat

#### OUR BOOK TABLE.

The Rector's Wife; or The Vaffey of a Hundred Fires. By the author of "Margaret and her Bridesmaids," "Lords and Ladies," "Queen of the County." T. B. Peterson & Brothers. Philadelphia.

The most pleasing novels are those that deail the pfeasures, sorrows and incidents of social life-not the artificial, painted life of the city, but real existence by men and women in the country, where virtue is rewarded and crime despised. The volume before us is of this class, and tells, in a pleasing way, of "The Rector's Wife"; pictures a residence in Wales, and portrays the ups and downs of a simple country life. The moral tone of the book is high, and, as a work of fiction, will find many appreciating readers.

AUNT MARGARET'S TROUBLE. By a New Writer. T. B. Peterson & Brothers. Philadelphia.

This "New Writer" is the daughter of Charles Dickens, and, judging from her first published volume, has inherited much of her father's descriptive talent-especially in the touching, pathetic scenes of humble life in England. Everyhody will want to read a story written by a child of "Boz"—the most popular of living authors.

APPLE-TREE APMS .- One of the worst onemies to the apple orchard is the aphis mali, an insect that invades almost every orchard and depredates upon both old and young trees. They live chicfly on the fresh juicy bark, and can be found in May and June. They are nearly the color of the apple-tree bark and about a tenth of au inch in length. They are, like most pests, very prolific; and generally hatch out two broods in a season. We believe half of the diminished yield of fruit, for years

A good remedy, perhaps the best, is strong soap-suds. If mixed half of soap and half of water, it will not be too strong. Now is a proper time to apply the wash, when the young lice are in the larva state. Every person having apple orchards should examine their trees. Don't neglect it, and if you find the rascals, treat them to a baptism of soapsuds, thoroughly laid on. Besides being a remedy for lice it is a first-class fertilizer for all trees.

Ask Your Neignbor.—We are daily receiving letters from subscribers who cordially cndorse the Farm and Fireside, and wish it "ahundant success." To all friendly associates in the great field of agriculture we return thanks; and suggest that every reader of our journal extend an invitation to his neighbor to subscribe. We believe we are making a firstclass agricultural and horticultural paper, but desire to make it better and more valuable in the future. Now Messrs farmers, gardeners, fruit-growers and stock-raisers, give us your influence—ask your neighbor to subscribe thus extending our circulation and advancing your own profession. Any person sending us a yearly subscriber (\$2), can retain fifty cents, class or profession "go it blind" like the gene- or twenty-five per cent. on all subscriptions obtained. Ask your neighbor to subscribe.

AGRICULTURAL PAPERS are springing up

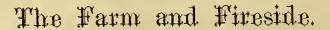
A Wisconsin farmer writes to the New York Farmers Club, that if the spread of the Canada thistle is not checked in its progress it will be but a short time before the producers of wheat will be driven from the great wheat fields of the West as Adam was driven from the garden in

A correspondent of the Prairie Farmer says the high price of flour, to some extent, is due Frequent moving makes the green, smooth to the very large amount of wheat drawn from crop will be immense this year.



THE SQUASH BUG. - The squash bng makes its appearance in May and June. The first indication we have of their having commenced their depredation, is here and there a withered leaf, which is a sure sign of their first appearance. As soon as this is noticed, go into the patch and turn over the injured leaf, and you will find a small, whitish, hairy bug, eating the leaf, of an offensive smell. Grasp them with the hand and kill them; no matter if your hand is stained. Then turn over all the leaves, and here and there you will find clusters of eggs—small, hrown, not larger than the head of a pin. Take an old case knife, and scrape them off, and in a short time all will be killed. Also near the roots of the plants, you will find a large black bug, or often two of them, adhering together—kill them, and by a little attention, the plants can be soon rid of the bugs.







#### SQUANDERED LIVES.

BY BAYARD TAYLOR.

The fisherman wades in the snrges; The sailor sails over the seas; The soldier steps hravely to battle; The woodman lays axe to the tree

They are each of the hreed of the heroes The manhood attempered in strife; Strong hands, that go lightly to lahor True hearts, that take comfort in life.

In each is the seed to replenish The world with the vigor it needs The centre of honest affections,
The impulse to generous deeds.

But the shark drinks the blood of the fisher; The sailor is dropped in the sea; The soldier lies cold by his cannon The woodman is crushed hy his tree

Each prodigal life that is wasted In manly achievement unseen, But lengthens the days of the coward, And strengthens the crafty and mean

The blood of the nohlest is lavished That the selfish a profit may find; God sees the lives that are squandered, And we'to his wisdom are hlind.

### Fireside Tale.

#### RICH MOUNTAIN.

YOUNG HART AND THE LAUREL.

BY WM. HENRY WOOD.

RIOH MOUNTAIN is famous as the seene of the first decisive battle in West Virginia. The battle was fought by General McClellan for the Uniou, and General Garnett commanding the Rebels, in the early part of the war.

Rieb Mountain is in Randolph county, eight miles from Beverly, the county seat; and is reached by the Parkersburg and Staunton Turnpike. It is sixty miles from Gleuville, laurel, looking for his father's sheep in the raand about the same distance from Clarksburg, where McClellan was at the time he determined to make the hazardous attack.

The Stauntou and Parkersburg Turnpike, winding round the heads of the raviues, passes over the summit of the mountain. It is two miles to the top, by the turupike. It is long, high, and narrow, and covered with heavy timber, save the summit, a small area of level ground, cleared and cultivated as a farm by an elderly gentleman named Joseph Hart—and a narrow strip up the south side of the mountain, which is covered with a dense growth of laurel. The soil of this mountain is rich, of a black color, different from other mountains in Virginia, and from this it has derived its name.

The topography of the mountain is admirably adapted for the erection of strong military defences. General Garuett held it with a force of about five thousand men, and had thrown up works which were impregnable on either side where the road crossed the mountain.

General McClellan advanced by the Staunton and Parkersburg Pike, intending to make the attack early in the morning upon the works where they crossed the road. The mountain plain, would soon be the leader of the gallant ment by instrument. Another peculiarity of was steep and rugged everywhere else, making reconnoisauce dangerous, and, as he supposed, impossible, except in force, and he had concluded to risk a battle directly on the road, plain and manifestly honest narrative, changed connoitering by the leader of the herd. When-Had he done so, subsequent examination of his orders, abandoned the easy route on the ever a herd of elephants is at bay, it always the enemy's defences at that point showed that pike to the mountain, and soon the army of follows one leader, and if that leader is slain,

mountain, and acquainted with all its dark were soon busy cutting away the superincum- is the cause of this terrible disease.

and he passed the Rebel lines without difficulty, youth did not screen him from suspicion here. It was believed he was there for no other purmanner of McClellan was cold and severe, and his questions hard and rigorous. Henry, nothing dauuted, related all his father had told him of Garnett's position on the mountain; the strength of his force, the nature of his works, and the impossibility of successfully attacking him on the road. The Federal General listened attentively with inereased interest, as Henry advanced, with his simple story, oecasionally interrupting him with-"Tell the truth, my

At each interruption Henry would earnestly, but respectfully reply-"I am telling the struck by shell and canister.

"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 is not all true," was the firm auswer.

"Well," questioned the General, now satisfied Henry was a true boy, "well, if I can't go up the mountain and attack the Rebels on the road, by what way can I go up?"

Henry, who was quick to see a change 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. There was no track 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 vines. The laurel was very thick, and grew together so closely aud so strong that a man could walk over their tops.

the laurel?"

"Yes, sir," persisted Henry.

mountain over the tops of the laurel?" eontinued General McClellan.

"No, sir," was the prompt answer, "but I have, aud a man could, with eare, and with nothing to carry."

"But, my boy, don't you see I have got a great many men, and horses, and wagons, and dwelling place. Iudeed it is a reeognized 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,' was the brave response of Henry, who, it was little army which was to decide on the heights of Rich Mountain the destiny of West Virginia,

no earthly power could have saved him from the Union was in motion in the direction follows the next, and so on till the last is left pointed out by Henry. Leaving the main Now old Joseph Hart, who lived on the road at the foot of the mountain, they wound mountain, was a Union man, and had made round ravines, and over ugly gorges, to the himself thoroughly acquainted with the Rebel spot judicated by their fearless little guide, General's position and fortifications. He had Here the army halted, while the General with somehow got information of the coming of his staff and Henry, proceeded to examine the good morning, and left the room. "What the Federal forces, and was 'certain that the way up the mountain. The laurel was there white teeth that lady has!" said the sarcastic attack from that direction would prove disas- as Henry had stated; a small bush or tree blind man. "How can you possibly tell that? trous to the assailing party. He dreaded this, standing thickly together with the spreading said a friend. "Because," was the ready anand determined to get word to McClellan of tops firmly interlocked and dove-tailed, form- swer, "for the last half hour she has done the situation of affairs on the mountain before ing a complete and continuous roof over the nothing but laugh. he arrived at the foot, when it would be too ground from the base to the summit of the late. He could not go himself, that would ex- great mountain. The quick eye of McClellan

gorges and ravines, was selected for the dan- bent laurel, with knives and hatchets. Silence gerous mission. His years forbade suspicion, reigned throughout the work, save the sharp thicken, and the dreams of other days fade. click of the small blades which were dexte- one by one, in the deep vista of disappointed leaving the mountain by an unaccustomed rously plied, and the rustle of the falling laurel. hope, the heart grows weary of the struggle, route. After travelling all night and part of Before daybreak, long rows of laurel lined and we begin to realize our insignificance. the following day, he came to the advanced either side of the way up the rugged steep, Those who have climbed to the pinnaele of fame guard of the Federal forces, informed them of and the ascent begau. The horses were tied or revel in luxury and wealth, go to the grave the object of his journey, and was taken under to the trees below. The artillery horses were at last with the poor mendicant who begs penguard to head-quarters. Even his extreme taken from their carriages. One by one, the nies by the way side, and like him are soon forheavy cannon were moved up the mountain gotten. Generation after generation, says au by the strong arms of the soldiers and left in eloquent modern writer, have felt as we feel, pose than to deeoy into ambush. At first, the position where they could be easily and rapidly and their fellows were as active in life as we moved forward, when the time for action should arrive. Light was dimly breaking in insture wore the same aspect of beauty as when the east when the army commenced the march her Creator commanded her to be. And so up the mountain by companies; many falling ilkewise shall it be when we are gone. The but rapidly recovering their places, and pa- heaveus will be as bright over our grave as looking for the eoming of the army of the have the same attraction for offspring yet un-Union far down the main road over their imwere booming in their rear, both at un unexpected moment and from au unexpected quar-

> a feeble resistance and fled precipitately down the mountain, hotly pursued by the triumphant not remember to lisp our name. Yankees, to Cheat River, where the brave rebel Geueral Garnet was killed. Two huudred men were killed on the mouutain, and lie buried by the roadside, with no other sign of the place of their interment than a long line of indentations, eaused by the gradual sinking of the earth, where the bodies repose.

Henry Hart is now four years older, or thereabouts, than he was then, and is quietly and contentedly working on his father's farm. Do you not think he deserves to be breveted a Major General in the army of the Union, to date from the morning of the capture of Rich Mountain?

## Miscellany.

IMAGINATION IN ELEPHANTS.—A writer in This statement of Henry's re-awakened the the Londou Spectator asserts that the elephant suspicions of McClellan, who said sharply, is a highly imaginative animal, and quotes the "Do you say a mau can walk on the tops of Ceylon engineers, who say that when they survey ways through the forests, and plant wooden tracing-pegs to mark the levels takeu during "Do you think my army can go up the the day, their tracing-pegs are generally removed during the night by elephauts, who are uneasy till they understand these novel symptoms of human agency. It is clear, then, that the elephants are rendered uneasy, troubled in their imaginations, by these eurious marks of special and unexplained human interest in their generally very successful way to escape a vicious elephant to throw down auything complieated in his path, which, in his caution, he will examine so earefully before he proceeds as to give his chase time to eseape. Colonel Hardy, in 1820, saved himself from a vicious "rogue" elephant by throwing down his dressing case which the creature in question wanted to force open and examine minutely instruthe animal is that the herds will never mingle. When suspicious of danger they throw out The Federal commander, content with this pickets, which are stationed after careful rein isolation.

> A BLIND MAN had been sitting one day and pleasantly chatting with some visitors for an hour, when one of them wished the company

DU CHAILLU says that among the dogs of cite suspicion, and he would be stopped at the saw at a glance the feasibility of Henry's plan, the native tribes in Central Africa, hydropho-Rebel outposts. His little son Henry, a lad of and though it was past midnight when the bia is absolutely nnknown. Hence, he infers fourth of a pint of split peas given to lambs uncommon energy and courage, born on the army arrived at this point, a thousand men that the popular notion is erroneous, that heat when weaned, or a pint daily to fatten sheep,

WE FADE AS A LEAF. -As the trials of life are now. They passed away as a vapor, while tiently pushing on; and when the enemy were they are now around our path; the world will born that she had once for ourselves, and that pregnable breast-works, the Yankee eannon she has now for our children. Yet a little while, and all this will have happened! Days will continue to move on, and laughter and ter. The rebels were thunderstruck, as well as song be heard in the very chamber in which we died; and the eye that mourned for us will The result is matter of history. They made be dried and will glisten with joy; and even our children will cease to think of us, and will

> In England a magneto-electric light of great power and intensity has just been discovered. At the distauce of a quarter of a mile, it easts the shadows of the flames of street lamps upon a wall. It takes photographs better than the sun, darkeniug photographic paper as effectually in twenty seconds as the sun's rays would in a minute. It is proposed to apply it to the purpose of illuminating cities.

> An African 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 possible, so as not to 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. Introduce 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 notice in the shape of cold sage tea, It is made by taking a large tea-spoonful of chopped sage leaves, and boiling them in six ounces 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.

STYLE.—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

BEAUTIFUL SENTIMENT.—When the Hindoo priest is about to baptize an infaut, he utters the following beautiful sentiment: "Little babe, thou enterest the world weeping, while all around smile; contrive 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. Oueare recommended as the proper quantities.



THE FARM AND FIRESIDE is devoted to Agriculture, Horticulture, Stock-Raising, Rural Architecture, Market Intelligence, Literature and the Arts. It has a corpse 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 offensive to good morals. In all its columns this journal will advocate the best interest of the farm and fireside. Terms-\$2.00 per year, in advance. Single copy 5 cents.



# The Farm and Fireside.

## General Miscellany.

#### AGRICULTURAL ITEMS.

Mississippi expects a fine wheat crop and a fair yield of cotton. Labor is scarce and high iu that State.

Three thousand aeres in the neighborhood of Kankakee, Ill., are planted with flax this year. Farmers regard this crop more favorably than they used to.

Oliver Dalrymplc, of St. Paul, has a farm near Hastings, Miun., of which 2,000 acres are under cultivation, including 1,700 sown to wheat. One year ago the farm was an uubro-ken prairie. The probable crop of wheat will exceed 34,000 bushels.

The French trade in eggs is becoming enormous. From one merehant alone, at Redon, seven thousand dozen were sent to England withiu eight days, last month.

The losses by the overflow on the Missouri river bottom are stated to be \$20,000,000.

A Wisconsin man says he finds calves do as well when fed on beau soup as when given milk. The soup is made as for family use, with about a tablespoonful of salt for each quart of soup.

Losses of cattle by cold and want of food have been great in Texas and parts of Nebraska, reaching to a tenth of all the stock. Much of this could have been avoided by care and fore-

Fifteen hundred head of cattle iu Monroe county, Missouri, have recently been sold to traders at  $9\frac{1}{4}$  to  $6\frac{1}{2}$  cents per pound, to be delivered during the Summer.

The Sandwich Islands promise to supply the Pacific coast with sugar. They are in the Pacific to us, what Cuba is in the Atlantic. The number of acres planted with caue is 16,266, the capital in the business is \$2,000,000.

It takes 250 bushels of potatoes to make a ton of starch.

Advices from Algiers announce the reappearance of locusts. General Marmier has placed at the disposal of the local authorities a detachment 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 Connecticut Legislature, or 104, are farmers.

A flock of 200 sheep and lambs gambol on the green lawns in the Central Park, New York, attended by an old shepberd and two dogs.

Armies of caterpillars are desolating the forests in some parts of Teuuessec.

 $\Lambda$  San Antonio paper complains of drouth in Western Texas. The grazing in that region is suffering from this source—an unusual thing at this seasou.

The Canadian owner of "Melton," the celebrated trotting horse, has sold him to a lady of Kalamazoo, Michigan, for eight thousand five hundred dollars iu gold. The duty paid at the Frontier was \$1700.

The total amount of beet sugar produced in the world is reported to be about 2,800,000 tons annually. France is the chief grower of beet sugar, and a small amount is raised in the United States.

The weight of the flour in a barrel is supposed to be 196 pounds. The Buffalo Board of Trade has adopted a resolution requiring 200 pounds

berries \$2 a quart; and turkeys \$5 a pair.

### Marriages.

In Woonsocket, 16tb ult., by Rev. John Boyden, Mr. Frank S. North, of Pittsford, Vt., to Miss Naonil B Harris, of Sunth field, R. I.; 30th ult., by Rev. D. M. Crane, Mr. John O. Bellows, of Providence, to Miss Sarah T. Tower, of Cumberlandi yr Rev. J. Boyden, Mr. John D. Dunbar, of Keene, N. H., to Miss Caroline Augusta Whitlag, of Binckstone; Mr. George S. Case to Mrs. Almira Voungs, both of Smithlield.

Iu Bellingham, May 30th, by Rev. J. T. Massey, Mr. Joba Davis Scott to Miss C. Maria Rullard, nil of R.

In Lousdale, May 11th, by Rev. E. H. Watrous, Mr. Thomas M. Sly to Lvdla H. Carpenter, both of Londsdie; 30th ult., Mr. Stndely E. Waterman to Miss Eliza Kirby, both of Woousocket, thinst, in Christ Church, by Rev. W. W. Sever, John G. Edwards, of Woonsocket, to Mary, daughter of the late Wilham Jordan, of Lousdale.

In Central Falls, 4th Inst., by Rev. Frederic Denison, of Westerly, R. I., Mr. Cyril B. Manchester to Miss Lucie M. Lawton both of Central Falls.

In Wilkinsonville, June 1st, by Rev. Samuel S. Spear, Mr. Cheney R. Lathe, of Grafton, to Miss Cella B. Hall, daughter of Edwin C. and Pricilla Hall, of Sutton.

In St. Paul's Church, henry Rooth, formerly of Woonsocket, to Lucie, daughter of the late Rev. N. C. Prestoa, formerly of Philadelphia, Penn.

#### Deaths.

In Smithfield, May 17th, Mary Evaas, aged 75. In Slatersville, 4th Inst., Ruth Slater, widow of John Slater, in the 64th year of her age. Funeral at her late residence in Slatersville oa Friday, the 7th

In Central Pails, 20th uit., Jane, wife of Joseph Carter, aged 58 years.

In Cumberland, 28th uit., Mary A., wife of George H. Bellows, aged 35 years and 6 months.

In Pawtucket, 28th uit., Offve, widow of Edward Whittemore, aged 79 years.

In Johnston, 22d uit., Hon. Laban C. Wade, in the 59th year of his age.

of its age.

In North Attiehoro', Mass., 25th ult., Maria, wife of David A. Barker, in the 38th year of her age.

In North Killiagly, 17th ult., Silas Theker, aged 73 years.

In South Killiagly, 20th ult., Charles Bellows, aged 30 years.

In East Killiagly, on the 24th ult., Danforth Chase, aged 78 years and 10 mouths.

## The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending June 7, 1867.] FARM PRODUCTS, FUEL, &c. 

### BRIGHTON CATTLE MARKET.

June 5, 1867.

At market for the current week: Cattle, 644: Sheep and Lambs 2898. Swine, 3300. Western cattle, 4\*3: Eastern cattle, 6; Working oxen and Northern cattle, 155.
PRIOES. Beef Cattle—Extra, \$15.50@ \$16.00; first quality, \$12.00@\$13.25 @ 100 lbs (the total weight of hides, tallow and dressed heef.)

With Skins, 50c each; Wool Sheep Skins, \$225@ 2.75.

Calf Skins, 20 @ 22c → B. Sheared Sheep Skins, 25c each.

The trade for hides and tallow continues to be very duff. The trade was not very active resterday, and hutchers bought sparingly. Many of the Western Cattle were taken at

working Oxen—Sales at \$215 to \$270 per pair. But a few pairs in market. Not an active demand.
Milch Cows—Sales extra at \$53a115; ordinary \$65@\$80.—
Store Cows \$43a55.
Sheer and Lambs.—The surply is large. Most of them being Western which were taken direct to the slaughter bouses from the cars. We quote sales at from 4 to 7c \$7\$ fb.
Swine—Wholesale, 12 ceats \$7\$ lb.; retail, 12@15 ceats \$7\$ lb.
Fat Hogs—3000 at market; prices, 7%@\$c. per round.

# Advertising Department.

LADIES, Affention I—A Silk Dress Pattern or a Sewlag Machine sent free, for one or two days service, in any town or village. Also, a gift sent free, by addressing with stamp. W. FISK & CO., 17 State St., Boston, Mass., Juan 8, 1867.

SUFFOLK SWINE FOR SALE.—One Imported BOAR, 2 years old, very fine and large, sure stock getter, bred at the pens of Queen Victoria, Windsor, England.
One yearling SOW—from parents bred as ahove—has bred once and is n good breeder and nurse, fine and handsome, SUFFOLK 21455 & and 8 weeks old, morehad not akin.

Ode parties and success the success of the success

Derkstling Swing for Sale.—Three Sows, 7 months old; three Sows, 5 months old; also, 3 Boars, 6 moaths old, not akia to the above Sows.

This stock is bred from the best sources, and in part from importations a year since from Queen Victoria's pens, at Windsor, England. H. G. WHITE, South Framingham, Mass. June 8, 1867.

las adopted a resolution requiring 200 pounds in each barrel, to conform with the Cental system of weights and measures.

The highest income returned in Chicago is that of Cyrus H. McCormick, \$169,760; the next that of Peter Schuttler, \$112,625. These two are the only ones exceeding \$100,000.

McCormick made his money on reapers, and Schuttler on farm wargous.

J. W. Grisweld, of Wetherfield, Ct., Informs the New-Yerk Horticulturist that he has preserved his trees from the canker worm by pilling coal astees around their trunks.

Geo. Campbell of West Westminister, Vt., has recently sold two lots of Merinos to go to Australia and New Zealand.

Good milch cows sell in New Orleans for \$250 each; milk is tweaty cents a quart; strawberries \$2 a quart; and turkeys \$5 a pair.

East Douglas, Mass., June 7, 1867. CHARLES FAIRFIELD.

### Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of Conical, Wright's and Cylinder Plows and Castings; Shares a Putent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Rallroad Barrows, Shovels, Sprades, Forks, Iron Bars, &c.

Holder's Block, Main Street.

Woonsocket, R. I.

ROUTH ANNUAL FAIR OF

### NEW ENGLAND AGRICULTURAL SOCIETY,

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GROUNDS OF THE

NARRAGANSETT PARK ASSOCIATION, CRANSTON, near PROVIDENCE, R. 1.,

On Tuesday, Wednesday, Thursday and Friday,

SEPTEMBER 3d, 4th, 5th and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

\$10,000.

Arrangements have been made with the various Raitroad Companies, to run their Cars, containing Stock, &c., directly to the Fair Grounds.

There are ample accommodations within the grounds for Horses and the World.

A large number of the most celebrated horses in the country have been promised as competitors for the very liberal premiums that will be offered, and the best breeders of fail blood cattle and horses have determined to make this the finest and most extensive exhibition of Live Stock that has ever been beld in New England.

A detailed Programme of Premiums, &c., will he distributed at an early day.

GEO. B. LORING, of Salem, | WILLIAM SPRAGUE, of So.

President,
DANIEL NEEDIMAM, of Boston, Secretary,
of the N. E. Agricultural Soc'y, THE NARRAGANSETT PARK,

which has been projected and laid out by Col. Amaea Sprague, is an eaclosure of about eighty acres of land, heautifully located in Cranston, near PROVIDENCE, R. I., and accessible both by Steam and Horse Cars. The grounds are surrouaded by a substantial and ornamental fence, twelve feet high.

#### THE GRAND STAND

IS unsurpassed in architectural heatity, by any structure for similar purposes. It is about three bundred and fifty feet in leagth, and contains Drawing Rooms for both Ladies and Gentlemen; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Club Rooms; and accommodation, UNDERGOYEE, for seating over five thousand persons. THE STABLES.

Forty commodious and airy stables have already been erect-ed, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in process of completion.

WATER.

An ample supply of pure Spring Water will be provided for every department, and the hest of hay, grain, &c., for feeding.

THE TRACK has been constructed on the most improved plans, under the supervision of skilled englacers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the hest judges to he is all respects superior to any track in the country.

W. E. BARRETT & CO.,

Proprietors of the RHODE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take orders for

500 Premlum Horse Bloes, the hest in the world.

100 Kniffins, aew, one and two horse Mowing Machines, which are uasurpassed by any in the market, and warrnated

Ualon two horse Mowers, warranted.

10 Perry's new Gold Medal Mowers. 100 Whitcomb's Wheeled Rakes, Improved.

100 Horse Forks, all good klads.

10 Garfield's new Hay Tedders. 100 Mounted Grindstones.

500 doz. Hand Rakes of various klads.

400 " Scythes, from the best makers,

200 " Snaths, new and old patents.

200 " Hay Forks, Batcheller & Soas' make.

100 Revolving Horse Rakes, and all klads of first class Farming Tools and Seeds. Send in your orders early and they hal

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots of by single dozens, by the Manufacturers' Agents, W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

MAUPAY'S SUPERIOR TOWATO SEED can be bad of W. E. BARRETT & CO., Feb. 23, 1867.

### Connectiout.

THOROUGH-BEED BULLS FOR SALE 1 -The subscriber offers to sell the Thorough-Fred Jersey Bull "Matchless," 2 years old. Also the Thorough-Fred Devon Bull "Uneas," 15 months old. Both Thorough-Fred Animals. Full Pedigrees given. Apply & JOHN DINON, Pomfret, Conn. June I, 1857,

POULTRY FOR ALE.—The authoriher offers to sell one pair Bressen Gress and one pair Bouen Ducks, watto nice pure and as good as any in this country. Also one trie "Jersey Blue" Fowls, excellent layers.

JOHN DIMON, Possificet, Conn.

June 1, 1867.

### In aine.

### ATTENTION, TOBACCO USERS!

Why destroy your health and waste your money by using Tobacco? One Box of ORTON'S PREPARATION is warranted to destroy the appetite for Monacco in any person ao matter bow strong the babit may be. Sent onfeceipt of one dollar. Address E. Douglass, 200, Box 1572, Portland, Maine. June 1, 1867.

### Massachuseits.

A LDERNEY COWS AND HEIFERS, -- The subscriber offers A for sale several of bis choice herd of Alderneys, comprising Cows in milk and some soon to caive. Also, a few Yearlings served by first-class Bull. I warrant them all.

served by first-class Bull. I warrant theur and.

SUFFOLK SWINE.—I offer for sale splendid Prince Albert
Suifolk Swine. Boar imported, and sows from unported stock.

JOHN GILES.

3w-wc-22

THE INDELIBLE PENCIL CO.

(NORTHAMPTON, MASS.)

MANUPACTURERS OF THE IMPROVED PATENT

for marking clothing, &c., have now ready for sale their new

HORTICULTURAL PENCIL. For writing on wood. Invaluable for making durable TREE

and GABDEN TAGS or LABLES, or marking TOOLS, &c. PRICES: Horticultural, single, 75 cents; two fer \$1.00; per oz. \$5.00. Clothlag Peacil, single, 50 cents; three for \$1.00;

per doz. \$3.00. Seat prepaid by mail or express on receipt of A LIBERAL DISCOUNT MADE TO DEALERS.

SOUTH DOWN CO.'S PATENT

# SheepWashTobacco

TICKS: SCAB, VERMIN AND FOOT ROT

should be used by all Farmers on SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for years, and never falls to produce the desired effect when used ecording to directions.

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sheep.

It curea SCAB on Sheep It cures all SKIN DISEASES on Animals

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultier.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts. For sale by KENDALL & WHITNEY, Portland, Me.; N. S.

HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.

Collins, bliss & co.,

PRODUCE AND COMMISSION MERCHANTS

CASH ADVANCES MADE ON CONSIGNMENTS.

233 State Street, and 130 Ceatral Street, Boston.

New England Ageats for the

NONPARIEL FRENCH GUANO. It is claimed that this Fertilizer is superior to any in the mar ket, its virtues and merits over others being to prevent all insects and worms from destroying crops of plaats, without burning or lajuring those of the most delicate nature. It is much stroager than the Peruvian, thereby requiring a less quantity to

PRIOR \$60 PER TON Send for Circular giving full particulars. March 9, 1867.

### Hew Fork.

J. HICKLING & CO.S.

GREAT SALE OF WATCHES.

on the popular one price plan, giving every patron a hande in and reliable watch for the low price of Ten Pollars! Wite 2 regard to value, and not to be paid for unless perfectly satisfication.



Rise in Bremstuffs in Canada.—A Toronto correspondent of the New York Times says: "There has been an extraordinary rise in all kinds of provisions lately. Flour which sold at \$6.30 per barrel in December, is now selling at \$10.50 to \$11.00. Fall wheat was then \$1.45: it is now \$2.30a 2.50. As a matter of course, the bakers have raised their prices, and the loaf is now selling at twenty cents, just twice what it brought in the beginning of the winter. Everything has gone up. Wood is enormously high for fuel; provender is also high, and in some parts of the Province there is such great scarcity that cattle are actually dying of starvation. Seed grain, too, is scarce, and it is with the greatest difficulty that the crops have been put in by certain portions of the Lower Canadians. by certain portions of the Lower Cauadians.





## Farming Miscellany.

DECOMPOSITION AND REPRODUCTION.

Written for the Farm and Fireside, BY HON. JAMES W. WALL, NEW JERSEY.

THE first laws of organic nature might be expressed in the sentence, "eat or be eaten," and this would seem to make the world oue vast slaughter house, one universal seene of rapacity and injustice. Auimals and plants die that animals and plants may live-death proceeds out of life, and life out of death. Life is only vital action sustained by decompositiou. The living animal draws its vitality from the dead plant and the living plant from the dead animal. Decomposition is but the commencement of recomposition, and putrefaction but the symbol of renewed production. Does not history reveal to us the same law iu the political world? Has not the dissolution of old forms of government heen but the preparation for new phases of humanity? Dynasties may dic out, and forms of humanity be changed, but the great law of progress, of reconstruction from decay, still urges humanity ou, and the ruins of States and Empires become like the falling of the leaves in Autumn, manuring the soil and preparing it for the growth of rieher vegetation and more abundant harvests. The causes of death in animals are either such as depress or suspend the vital actious of the organs of circulation, or which obstruct the access of air to the blood at the luugs. Plants, like auimals, invariably die, and in all probability their death is also produced either by the failure of the eireulation of the sap, or by the impediments to the aeration of it at the leaves. The movement of the sap, in all probability, depends upon vital affinities, and as cold has the power of destroying these, the injurious effect of frost on vegetation may be easily comprehended. Death, too, may take place in the vegetable from the sap not being able to obtain a supply istenees siuk into the earth from whence they die" is the apostolic assurance—thus

Creation's soul is thrivance from decay, Aud Nature feeds on ruin: the hig earth Summers in rot, and harvests through the frost To fructify the world: the mortal now Is pregnant with the Spring flowers of To-come, And death is seed time of Eternity.' June, 1867.

REFUSE MATTERS OF FAOTORIES AS FERTILIwrites that he used 70 cwt. of this refuse per acre, at a cost of about one dollar, aud harvested an increased crop of 30 cwt. per acre over the yield of lands upon which it was not used, making a clear profit of about \$20 per aere. Thousands of tons of this refuse accumulate around the western asheries, where black salt aud pearlash are manufactured from wood ashes, and from analysis and experiment it is considered a valuable and economical fertilizer the fall, and has a tendency to keep the ground Advertising Bepartment. mellow and well pulverized. Gypsum, rich in potash, also accumulates in these factories, and is found to be especially adapted to grass and clover, in many instances doubling the crops. Economy-promptness-reliability: The richest of all such matters, however, is said to be the refuse in making heet sugar.

The dirty water, as the lye was called in the infancy of beet-sngar mannfacture, was formerly conducted into ponds and rivers, killing the leaks, wet and dampness in roofs, &c., prevented. Iron Fronts, Rallings, Post and Fences long preserved. All work done well, and warranted. The paint is unequalled by anything of the kind now known.

JOSEPH LEEDS, Actuary.

EMORY D. HOBART, Superintendent of Work.

3m-20 said to be the refuse in making heet sugar. experiment the material proves to be worth almost as much as a fertilizer as the sugar produces in the market.

A farmer near Manhattan, Kansas, is putting in 640 acres of corn, this Spring.

#### SEED CORN-HOW TO SELECT IT.

A SEASON never goes by without more or less eouplaint about seed corn not coming up. This is owing to several causes, such as damaged seed, shiftless planting, followed by wet, cold weather. But failure is oftener the result of poor seed than from either of the other causes named. There is no grain the vegetative powers of which are so liable to injury as coru. A very slight freeze before the grain arrives at maturity in the field, a slight heating in the crib, or exposure to alternatious of wet and frost, most effectually destroys its germ. Farmers rely too much upou eorn eribs for their seed coru, instead of selecting it at the proper time in the Fall. It will be remembered that very little eorn eseaped the frost last Fall without damage. It is not safe to judge seed eorn alone by its external appearance. The only safe criterion to go by in selecting seed corn, is the appearance of the ehit. Every ear intended for seed should be broken near the center. When thus brokeu, if the skin of the chit is hlistered, or wrinkled, reject it. If the skin is smooth aud clear-not discolored, not one kernel in a hundred will fail to grow. This has been our practice in the selection of seed coru for many years past, and without a single failure in getting a full stand even wheu selected from the

The true way, and the safest to secure good seed corn is, to select from the field as soon as the corn is out of the dough state and fairly hard. Select the most perfectly ripened ears, hraid them together with a portion of the husks, and hang them up in a dry place, there to remain till planting time. Seed eorn saved in this way seldom, if ever fails to come, when properly planted.—Iowa Homestead.

CLOVER SEED .- We believe, says The Rural New Yorker, that a crop of clover seed taken from the land exhausts the soil more than the erop which is cut for hay. Any seed crop, it of new matter to compensate for that which is well known, is more exhaustive than a mere is continually depositing in its structure. I fodder crop. One strong reason for eutting Plauts, too, have their diseases as well as ani- itimothy for hay carly, is to remove it from the mals. But as the animal and vegetable ex- soil before it has abstracted those elements which form the seed. It impoverishes the soil were takeu, as dissolution mingles the elements much less than if cut later. The first growth of their structure with the dust, they become of clover is not disposed to seed much; hence again the agencies for fresh vitality. "That it is not so exhaustive as other grasses if cut which thou sowest is not quickened except it late. But the second crop, which bears the secd, is injurious to the land-at least the taking it away is. Unless remuueration is paid to the soil, it will pay better to let the second growth of clover rot on the land, or feed it off.

INSECTS ON ROSES.—The aphis or green fly, and the rose-slug arc the two greatest pests of this queen of plants. Of late years they have zers. - "The Journal of Agriculture," of become truly formidable. They eat out the Rhenish, Prussia, states that the refuse matters succulent part of the leaves, eausing the bush of the potash factory of Deutz are being used to look unsightly, and of course destroying to great advantage as fertilizers. Dr. Camrodt the health of the plant, and preventing its natural iuflorescenee.

> Ohio farmers are complaining of the extraordinary mortality among the lambs of their Vermont stock. One farmer in Knox county lost twenty-three out of twenty-six lambs from his full-blooded ewes. No adequate cause seems to exist, and at present the subject is a mystery.

### Pennsylvania.

AMERICAN CONCRETE PAINT AND ROOFING COMPANY.

BAROMETERS! BAROMETERS!! BAROMETERS!!!

TIMBY'S PATENT PORTABLE BAROMETERS, the best in the market, can he sent by express, and are war-ranted accurate. A few for sale at the office of the FARM AND FIRESIDE, 402 Locust Street, Philadelphia. April 6, 1867. PARMERS' GRINDSTONES,

OF THE BEST QUALITY;

Ready for use, with self-adjusting Shafts, Treddles, &c. Huron Grindstones, Scythe Stones, &c., for sale hy

J. E. MITCHELL, 310 York Avenue PHILADELPHIA



E. N. KELLOGG, President. GEO. D. JEWETT. Vice Pres't. E. N. RELLOGG, Fresquent. GEO. D. DEWELL, THE FIRST.

EF \$100,000 DEPOSITED WITH THE COMPTROLLER AS SECURITY FOR POLION HOLDERS.

Policies issued on all kinds of live stock, against DEATH and THEFT. For further particulars, address Branch Office, Hartford Live Stock Insurance Co.

F. & E. A. CORBIN, Managers,

430 Walnut Street, PHILADELPHIA.

May 18, 1867.

DISEASES IN THE AMERICAN STABLE, FIELD AND By ROBT. MOCLURE, V. S.

or sale at the office of the FABM AND FIEESIDE, 402 Locust Street, Philadelphia. Price, \$5 by mail, prepaid. 8-tf

PECORA LEAN AND COLOR 

Best PAINT known for Houses, Iron Fronts, Tin Roofs, and Damp Walls, RAILEOAD CARS and BRIDGES.
PECORA DARK GOLORS COSTS ½ less that of lead, and wears longer than lead.
The Company's WHITE LEAD is the WHITEST and MOST DUBABLE Lead known. Also, VARNISHES and JAPANS.—100 fbs. will paint as much as 250 fbs. of lead, and wear fonger. Feb. 23, 1867.

COLLINS, ALDERSON & CO.,

SEED GROWERS AND IMPORTERS. Also, Dealers in
HORTICULTURAL IMPLEMENTS PLANTS, TREES, ROOTS, &c.

We have made arrangements to he constantly supplied, in the season, with the Choicest Flowering Plants, Shruhs, Roots, &c. Also, with Fruit and Ornamental Trees.

OUR NEW DESCRIPTIVE CATALOGUE FOR 1867, Designed to furnish directions for the cultivation of the FARM AND GARDEN,

Hot-Bed Management, &c., sent FREE to all applicants. WAREHOUSE, No.'a 1111 and 1113 Market Street, PHILADELPHIA PA.

STEPHEN G. COLLINS; WILLIAM CHARLES ALDERSON ROHERT DOWNS. Phlladelphia, March 9, 1867.

RHONES' SUPER. PHOSPHATE.

THE STANDARD MANURE FOR SOLUBLE PHOSPHORIO AOID. VALUABLE FOR EVERY DESCRIPTION OF CROPS.

Manufactured hy

Endorsed and recommended by Dr. EVAN PUGH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say more than that it is

FULLY UP TO THE STANDARD, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHODES' SUPER PHOSPHATE. YARNALL & TRIMBLE,

General Agents for Pennsylvania, New Jersey and Delaware

418 South Wharves, } PHILADELPHIA.

HOOP SKIRTS. WM. T. HOPKINS.

Manufacturer of First-Class HOOP SKIRTS and dealer in

NEW YORK AND EASTERN-MADE SKIRTS. Wholesale and Retail at Manufactory,

No. 628 Aron Steeet, Philadelphia.

Moro phillips's genuine improved SUPER-PHOSPHATE OF LIME. STANDARD GUARANTERD.

For sale at Manufacturer's Depots, No. 27 North Front Street, Philadelphia AND

No. 95 South Street, Baltimore, And hy Dealers in general throughout the Country. Philadelphia, Fehruary 2d, 1867.

50 PER CENT SAVED BY USING

B. T. BABBITT'S STAR YEAST POWDER. Light Biscuit, or any kind of Cake may he made with this Yeast Powder, in fifteen minutes. No shortening required when sweet milk is used.

I will send a sample package free hy mall, on receipt of fifteen cents to pay postage.

Nos. 64 to 74 Washington street, New York.

HENRY C. KELLOGG, sole Agent for Philadelphia.

March 2, 1867.

3m-pe-8

THE LAMB

#### FAMILY KNITTING MACHINE.

THE MOST USEFUL AND MOST PROFITABLE INVEN-TION OF THE TIME!

TION OF THE TIME 1

THE LAMB KNITTING MACHINE AGENCY, Philadelphia Penn., holds the exclusive right to sell and use this machine for the following territory, to wit:—all that part of the State of Pennsylvania lying east of and including the Counties of Bedford, Blair, Centre, Lycoming and Tioga.

It knits the single, double, plain and fancy-rihhed flat weh, producing all varieties of Fancy Knit Goods in use, such as Afghans, Shawis, Nuhias, Hoods, Sacks, Breakfast Capes, Jackets, Garihaldies, Sontags, Undersleeves, Children's Cloaks, Cradle Blankets, Little Boys' Sults, Comforters, Smoking and Skating Caps, Snow Shoes, Stockings, Leggins, Neck Ties, Scarfs, Sashes, Slippers, Suspenders, Purses, Lamp Wicks, Mats, Tidies, Watch and Curtain Cords, Gloves, Mittens, &c.

Office AND SALESROOM,

36 North Eighth St., Philladelphia
May 4, 1867.

PERUVIAN GUANO SUBSTITUTE



BAUGH'S RAW BONE

PHOSPHATE OF LIME. BAUGH & SONS,

Sole Proprietors & Manufacturers,

DELAWARE RIVER CHEMICAL WORKS, Philadelphia, U. S. A.

FOR WHEAT, RYE, BARLEY, COEN, OATS, POTATOES, TO-BACOO, BUCKWHEAT, SORGHUM, TURNIPS, HOPS, GAR-DEN VEGETABLES, AND EVERY CEOP AND PLANT.

Especially recommended to the growers of STRAWBERRIES, RASPBERRIES, BLACKBERRIES, AND ALL SMALL PRIITS.

More than 13 years of regular use upon all description of crops grown in the Middle and Southern States, has given a high degree of popularity to this MANURE, which places its application now, entirely heyond a mere experiment.

BAUGH'S RAW BONE SUPER-PHOSPHATE OF LIME!

ls eminently a success as a Substitute for Peruvian Guano and Stable Manure—and is offered to the Agriculturists of the Northern and Eastern States as a fertilizer that will cheaply restore to the Soil, those essentials which have been drained from it hy constant cropping and light manuring.

It is very prompt in its action—is lasting in effect to a degree unattained by any commercial manure in the market and is af-forded at a much less cost than BOUGHT Stable Manure, or Peruvian Guano. The Lahor involved in its use is far less than that of applying stable manure, while there is no risk from the introduction of noxious weeds.

Farmers are recommended to purchase of the dealer lecated in their neighborhood. In sections where no dealer is yet established, the Phosphate may be procured directly from the undersigned. A Priced Circular will he sent to all who ap-

Our NEW PAMPHLET, "How to Maintain the Fertility of American Farms."-90 pages, giving full information in regard to the use of manure, &c., will be furnished gratis on applica-

Office No. 20 S. Delaware Avenne, PHILADELPHIA.

BAUGH BROTHERS & CO.,

General Wholesale Agents, No. 181 Pearl Street, corner of Cedar,

> NEW YORK. GEORGE DUGDALE,

Wholesalo Agent for Maryland and Virginia, 97 & 105 Smith's Wharf,

### New Fersey.

PEMBERTON MARL COMPANY.

This company is now prepared to furnish their GREEN SANII MARL, in quantities of from four tons, (one ear load), upwards. And at any point where railroad or water navigation will carry it.

Both practical use and scientific investigation, have proved Marl to he one of the heat and cheapest of fertilizers. Address all orders to JNO. S. COOK, General Traveling Agent, Mount Holly, New Jersey; or to the Suh-Agent, nearest where parties wish Marl delivered.

Zer Circulars, with particulars, PUENISHED FEER, on application to Person and Per

massachusetts.

BY MAIL, PREPAID.

CHOICE FLOWER AND GARDEN SEEDS, NEW STRAWBERBIES, GRAPES, CUERANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEED ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in guita percha silk, so as to reach any part of the Union in perfect safety, a complete assortment of the finest GRAPES, STRAWBERRIES, NEW LARGE CURRANTS, OOOSEBERRIES, BLACKBERRIES, ROSES, FLOWERING PLANTS, Rulbs, Lilies, &c. &c. Fruit and Opposite 1 Trace and

FLOWERING PLANTS,
Bulbs, Lilies, &c., &c. Fruit and Ornamental Trees and
Shruhs, Erergreens, Hedge Plants, &c., will he sent hy freight
paid to Boston. Also, the True Cape Cod Cranherry, for cultivation in wet land, or in upland and Gardens, where it produces at the rate of 400 hustels to the acre; with directions for
cultivation. Priced Descriptive Catalogues will be sent to any
address. Now is the hest time for Planting. The hest way to
othain good Fruits and Flowers, and Seeds, is to send direct to
the Grower. Send for a Catalogue. Wholesale Catalogues to
the trade. Agents wanted,
Plymouth, Mass., March 30, 1867.



### TERMS OF ADVERTISING.

A limited number of advertisements will be published in the FARM AND FIRESIDE. Price, fifteen cents a line each insertion. Advertisements are set up in a uniform style. nal has won its way to appreciation with remarkable rapidity, and will he found an excellent advertising medium.

### COMMISSION TO LOCAL AGENTS.

WE wish to employ a local agent in every town in the United States. Every snhscriher for the FAEM AND FIRESIDE may act as local agent for the same. For every yearly subscriher the commission is fifty cents, or twenty-five cents for each half yearly subscriber.

### IN MONTHLY PARTS.

Hereafter the FARM AND FIRESIDE can he had in Monthly Parts, in neat covers, at twenty-five cents cach. Those for January, February, March and April are now ready. For sale hy all newsmen. Bound at the close of the year they will form a neat and attractive volume.

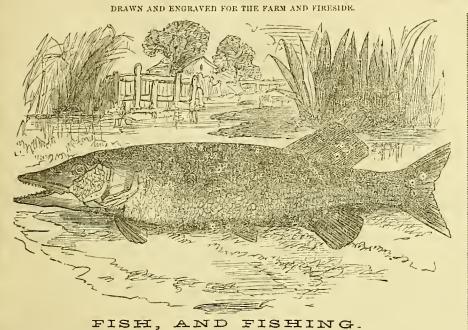


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THE ESOCIDAE SPECIES.

Two hundred and seventy-four years ago, in the last days of Queeu Elizabeth of England, was boru that glorious angling enthusiast, IZAAK WALTON-the forefather of game fishing, the archbishop of rural sports, the prose-poet of green fields and babbling brooks, and the author of a volume so redolent of the country that almost everybody, even at this day, is familiar with it. Walton's Complete Angler is remembered among the books that charmed our boyhood days; a time long before we had ever east a line for trout, pike or salmon; a score of years before William Henry Herbert or Thaddeus Narris had written their fascinating books on Fish and Fishing.

The angling pastoral of Walton, the valuable treatise of Frank Forrester, the companionable book of Norris, and the productious of less notable writers on game fish, are ever fresh in our memory. In fact, we like fishing; and though we never got bewitched like Washington Irving, who said he "always booked himself instead of the fish," we confess there are no rural sports that please us so much as rambling aloug brooks that tumble down the mountains, that glide through sleepy meadows, or ripple in the depths of the primal forest. Rare sport, also, to troll for pike and pickerel along the shores of sedgy lakes and ponds, pursuing and taking, in artistical and sportsman-like manner, such noble game as is represented at the head of this article.

The ESOCIDAE family is quite numerous. I consists of the great Pike of Europe, the Masealonge of our Northern lakes, the common Pickerel of New England, the black Pickerel of Pennsylvania, and the wbite Pickerel of the Obio, the Wabash, and other Western waters. Of all these species, the first two are the largest, and are regarded as the type of this family. Their habits, haunts, and manner of feeding are nearly identical; as food there is but little erally fill our basket. difference. In some ponds and lakes, wing to a peculiarity of the water, and of their food, they are much superior. Bodies of water that are still and stagnaut, with mud bottoms, pro- uary, 1866.

duce coarse, soft, and indifferent fish for food.

In Europe the Pike is a magnificent fish, often attains the weight of twenty to thirty pounds, and lives to a great age. They are the boldest, fiercest and most voracious of the fresh-water fish; and offer more sport than any species, excepting the salmou. The Mascalonge belongs entirely to the North-Western waters of the United States, frequenting the great lakes and the river St. Lawrence. They grow to au enormous size, forty to fifty pounds, and from three to four feet in length. They take any kind of bait, iu spinning or trolling, and surpass in boldness and voracity all our game fish. He devours fish of every variety, young waterfowls, reptiles, &c. Frank Forrester ealls him the "fresh-water tyrant," as he attacks ulmost every living thing that comes in his way.

The common Pickerel is a frequeuter of all our ponds in the Middle, New England and Western States. In size it rarely exceeds five pounds, though we captured one a trifle over that weight last Summer, at Brown's Mills, in New Jersey. Generally it weighs from one to three pounds, even when well grown. We have heard fishermen tell of capturing eight and niue pound pickerel! but always consider these fish stories-and rather large ones at that. There are but few professional anglers who eaunot, in a pinch, tell hig stories. The commou Pickerel is a favorite fish, strongly resembling and death in animals? We say no, it is not; and their value will be vastly enhanced, by the others of the Esocidae family: is a good because if the same amount of moncy was judicious root pruning in the nursery-row. biter and affords much sport to all anglers. In used in creeting a hollow square of one story elear, flowing ponds and lakes its color is an buildings, with angular roofs, and those inolive green, with bluish reflections, the sides and tended for horses and cattle to have no ceiling roots, and particularly those that run deeply; belly greenish yellow. In more sluggish, turbid ponds its color is much darker and the flesh poorer. There are many ways of fishing for axiom, "a place for everything, and everything a good condition for transplanting. In the Pickerel, but we prefer for buit the small min- in its place." Nor is this all; for when a baru great nurseries of the West, there is a peculiar now, a single hook, grass line, and a little bamboo cane rod. Then, in May or Jane, on a eloudy day, we can enjoy ourselves, and gen-

The importations of wool in January, 1867,

THE CONSTRUCTION OF OUR BARNS THE securing it against injury, and leave the ani-

Written for the Farm and Fireside, BY R. M'CLURE, PHILADELPHIA.

Ir with the acquisition of prosperity aud wealth we have a desire for show, as a substantial evidence of financial success, surely no less should we strive to gain a knowledge of those laws, the violation of whieb never fail to produce or entail bodily or mental misery on man the improper knowledge of them. "With all three thousand years ago than it is to-day. The subject of "barus," as they are called in the United States, has been ably considered in an article published in a late number of the Country Gentleman, by X. A. Willard, A. M., of Little Falls, N. Y. As the article is not at hand, we will coufine what is to be said to our own views of the utility, &c., of barns.

First-is a barn, such as is seen on almost every farm, an absolute ueeessity to the farmer We say not; because a different and a less cost ly kind of bnilling would suit his purpose, and, proreover, would insure and protect the health of the animals confined within. Is it economy to construct unildings to protect hay and straw that can be as well protected with their own material, properly used and applied npon a well built stack or rick out of doors: Whereas, when hay and straw fill the baru to the rafters, as is generally the ease, how are the animals to enjoy good health when thus deprived of that great preservative, pure air. This fact, of itself, should condemn the further building of barns and the use to which they re at present universally applied. Webster defines the word barn as "a covered building for securing grain, hay, etc.," and adds "in the Northern States of America the farmers use barns also for stabling their horses and cattle." This, amongst intelligent farmers, should not be the case. If farmers will have barns, then in the name of intelligence, if not for humanity's sake, use them for the storage of the products of the soil; but do not fill them with animals requiring air for a perfect existence, and then rush into print, and want to know 'why it is my cattle are so affected by disease

Second-is a barn so constructed economical, independent of it being the cause of sickness or interruption above, and between the rafters and the animals. This would be fulfilling the takes fire all is generally lost, and horses and hay, farm implements and everything are gone, the blackened mass serving as a warning, if not an emphatic utterance against putting "every egg into one basket."

hay outside, and thatch and rope it completely, known to be so far behind at this season.

mals the whole air of the barn; or else build a stable for your horses—a building for the cows-au open shed for the neat cattle-a place for carriage and carts, and other implements, and complete the whole by adding a small boiler house for steaming feed for the horses, cows and pigs iu Winter. This is what we would truthfully call complete farm buildings. If show is an object, it can be easily effected, and to a much better purpose than by building or beast as a cousequence of the ignorance or a big barn to be guzed at for miles around, and not unfrequently referred to as an evidence of thy getting, get wisdom," was no less true of the wealthy farmer; but no one to ask-is he intelligent? or to question his judiciousness.

June, 1867.

#### AGE OF TREES FOR PLANTING.

This depends so much upon the views of planters that the nurseryman cannot always control the period at which he shall clear a block of trees. Peaches should always be removed at one year from the bud. Plums and dwarf pears will be ready to go off at two years from the bud or graft; so with apples and cherries. But many persons, purchasers and sellers, prefer large trees, and they recommend that the trees should remain one, two, or even three years longer in the nursery. Others, a new sebool of planters, prefer to set out the maiden tree, in most of the species above named, except some very feebly-growing varieties, that will scarcely have attained sullicient size to risk in the orchard. The nurseryman should beware of keeping his trees too loug on his hands; they become unprofitable stock, and are sure to require much more labor in the digging and handling. The purchaser is his own master, and his taste and wishes must be consulted; if he wants large trees, by all means, let him be indulged; he will have to pay in proportion, he will have more wood for his money, more weight to carry, or more transportation to pay for, more labor in plauting, and vastly increased risk of the life of his trees; but, let him be indulged with his five year old trees, while his neighbor, for a smaller sum invested, with less freight, less wood, less labor, and infinitely less risk, will plant his maiden trees, and five years hence will market more fruit.

The risk of transplanting large or old trees from the nursery, may be greatly diminished, This may be done by digging, on either side, on alternate years, and cutting off the straggling this will be followed by the production of a multitude of fibrous roots that put the tree into plow, which is used for root pruning the nursery rows .- Warder's American Pomology.

Very heavy raius have fallen throughout the West during the past two weeks, and farm-Lastly-we would say to farmers owning ers are becoming quite discouraged with the amounted to 8,415 hales, against 3,270 in Jan- what are called "grand barns," stack your wet and cold weather. Vegetation was never



THE FARM AND FIRESIDE is devoted to Agriculture, Horticulture, Steek-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 emineptly 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 its columns this journal will advocate the best interest of the farm and fireside. Terms-\$2.00 per year, in advance. Single copy 5 cents.





### Various Matters.

Reported for the Farm and Fireside.

## PHILADELPHIA SOCIETY FOR PROMOTING AGRICULTURE.

This Society held its monthly meeting on the 5th inst., Craig Biddle in the Chair.

Specimens of eggs were exhibited, of small size, the result of breeding fowls "in and in."

The Chairman of the Committee to prepare a memorial to the Legislature for an act providing for the appointment of an Iuspector of artificial fertilizers, reported that the bill was not acted upon.

Dr. McClure stated that various complaints had been made in regard to the neglect on the part of the Society in not notifying persons of their election as members of the Society; nor of furnishing them with certificates of mem-

No report, as yet, from the Committee on Potatoes. The Chairman hopes to report the coming Fall, or next.

C. J. Hoffman, H. Simons, G. M. Wade and Professor Rogers were elected members of the Society.

Dr. Emersou read an essay upon lime and its various uses. He said that, ehemically considered, lime is the oxide of a metal called calcium, discovered by Sir Humphrey Davy. When water is added to freshly burned lime, it is absorbed with great avidity, swelling iu hulk to nearly double its original dimensions; in this state lime acquires the name of hydrate. The lime should he applied to land when it is in eondition for whitewashing, for it is only whilst it remains in this state of impalpable powder that it is capable of heing quickly dissolved by rain water, and thus rapidly and effectually diffused through the soil. Recently slacked lime, if suffered to remain exposed to the air, soon attracts carbonic acid and becomes an almost insoluble ebalk, and will require months and even years of atmospheric influences to effect that amount of solution which, in a freshly-slacked condition, might have been secured hy a single shower of rain. As to the quantity to be used, the Doctor suggested that, for plant food, one hundred pounds per aere, applied in its most soluble condition, might suffice to furnish all the lime required for the sustenance of several crops.

After the transaction of some further business the Society adjourned.

THE POPULATION OF THE UNITED STATES. According to the census of 1860 the organized States and territories contained 31,443,321 inhabitants; of whom 488,070 were free colored, and 3,953,760 were slaves of African descent. In addition to the above it is estimated that there were 350,000 Indians, retaining their tribal character. The tabular view of the progressive population of the United States from 1790 to 1900, which was made by Willam Derby, has been verified with singular correctness. This view estimates the annual increase at three per cent. of the entire population. Estimating the present population upon this basis, the aggregate would be 37,170,958. The war would cause some unusual diminution of our annual gains, but the increase by immigration has been large, and probably will compensate for the losses by war. The total population in 1870 is estimated at 40,517,700.

THE PROFITS OF THE TURF. - According to the English papers, some large fortness have howers are used by the natives of the Indian causes it to present somewhat of the appearjust been made on the turf in England. Mr. howers are used by the natives of the Indian causes it to present somewhat of the appearjust been made on the turf in England. Mr. howers are used by the natives of the Indian causes it to present somewhat of the appearjust been made on the turf in England. Mr. howers are used by the natives of the Indian causes it to present somewhat of the appearjust been made on the turf in England. Mr. Chaplin, the owner of the Hermit, wins, it is her. said, £10,000, besides £50,000 from Sir Joseph Hawley on a bet that The Hermit would beat The Palmer the first time they met, and £5,000 that the Hermit would beat Marksman. Captain Machell, Mr. Chaplin's ally, is understood to have won £93,000. Daley, Hermit's jockey, also comes in for good pickings-£3,000 from Captain Machell and £5,000 from Mr. Chaplin.

We acknowledge the receipt of some re-Moorestown, New Jersey.

#### HOW TO RAISE PLUMS.

Many people, in fact most people, think it a very difficult matter to raise plums. As usu- hly in its composition according to its age, ally cultivated, it is of little use to plant plum and also according to the variety. When trees. The young plums all fall a prey to the curculio. This is the experience of all who plant a few trees. And but few persons plant comparatively trifling. As it becomes older, more than five or six or eight or ten treesthey think these will afford enough fruit for ter at first increasing and afterwards giving the family. But the family never see any of way to the formation of woody substance. the ripe plums. 'The curculio wants all these few trees produce.

Now there is a secret ahout plum raising. We have discovered it in traveling over the country. We never visited a larger plum orchard in all our life that we did not fiud plenty of the fruit. And we never visited any place with eight or ten trees and found a good crop of this fruit. Now these facts set us to thinking; and the result of our thoughts is this: that it is very easy to have all the plums you want to eat and to sell. The secret connected with plum raising is to plant plenty of trees, so as to give fruit to the curculio and to yourself also. If you will plant fifty or a hundred or two hundred trees, you will have fruit enough for everybody. Every such orehard that we ever visited had plenty of ripe fruit. Some even complained that the curculio did not thin out the frnit enough—that the trees were over-loaded.

So we say to our readers, if you plant plums at all, plant fifty or oue hundred trees-then you will be sure to have all tue fruit you want. It sells for five to ten dollars a bushel iu the St. Louis market, and is one of the most profitable crops raised.—Rural World.

#### THE GUTTA-PERCHA TREE.

SUMATRA, a large island in the Iudian Occan, has large forests of the gutta-percha tree (Isonandro gutta). "Gutta" is the native name for gum, and "pereha" is the Malayan name of a forest tree. The virtnes and uses of this tree have not been long known to us. Previous to 1844 its very name had not been heard in England. Ahout that time an English Physician was walking through a forest when he saw a woodman at work. Ohserving that the handle of his axe was of a substance quite unknown to him, he inquired what it was made of, and was told that it was the juice or gum of a tree, which could be molded into any form by merely dipping it in hot water, after which, when cold again, it became quite hard. On examining the tree the physician found the juice lying in straight lines down the trunk, and that by cutting small holes in the trunk, it freely flowed out, of a whitish color. On hardening it became darker in appearance. In the first instance about two hundred-weight were sent to England as an experiment; its utility was soon discovered, and now several hundred tuus are imported every year.

Gutta-percha is largely used for soles of shoes, piping, bottles, and other purposes where durability is required. It is also turned to account for finer and more ornamental work, some indeed, of considerable beauty. But its highest use is in the coating it forms to electric cables. Little did the worthy physician imagine that in a short time it would be well known throughout the land, and regarded as one of the most valuable substances possessed by man. Belowers are used by the natives of the Indian

INSURANCE FOR LIVE STOCK.—Persons owninsured against loss by death or theft. Messrs Corbin, 430 Walnut street, this city, are agents tions of the kind in this country.

To DYE BROWN .- To dye wooleu browu, markably fine strawberries, of the French steep the goods in an infusion of green walnut nutriment in them than others, and in and "Susan." Mr. Hodges also purchased a variety, raised by Thomas C. Andrews, peels, or steep butternut and black cherry bark seeding down land a judicious sclection of young bull sired by the celebrated hull together and you have a pretty brown.

#### GRASS AND HAY AS FOOD FOR STOCK.

It is well known that grass varies consideragrass first springs up, its principal constituent its ingredients change, sugar and soluble mat-

The following table affords a view of the composition of rye-grass before and after ripening

Water..... Solid matter....

If sugar is an important element in the food of animals, then it should he an object with the farmer to cut grass for the purpose of haymaking, at that period, when the largest amount of matter soluble iu water is contained in it. This is at an earlier period of its growth, than when it has shot out in seed, for then woody matter predominates, a substance which is insoluble in water, and therefore less ealculated to serve as food to animals, than substances which are capable of assuming a soluble condition. This is the first point for consideration in the production of hay, since it ought to be the object of the farmer to preserve the hay for Winter use, in a condition resembling grass in its highest state of per-

The second consideration in hay-making is to dry the grass under such eircumstances as to retain the soluble portion in all its integrity. In order to ascertain whether hay, by the processes and exposure which it undergoes, loses any of its soluble constituents, experiments were made by M. Boussingault, at Bechelbroun, by which it was demonstrated that 100 parts of hay are equivalent to 387 1-2 of grass. A very large proportion of the soluble matter of the grass disappeared in the conversion of grass into hay. The result of the hay-making in this particular instance was to approximate the soft, tender aud juiey grass of woody matter, by washing ont or decomposing its sugar and other soluble constituents.

These facts explain the reason why cattle consume a larger quantity of hay than is equivalent to the relative quantity of grass. should be able to retain the same condition on 25 pounds of hay, if the latter suffered no deterioration in drying. The experiments alluded to show that a eow thriving on 100 to 120 pounds of grass per day, required as an equivalent 25 pounds of hay and 9 pounds of barley or malt, affording evidence of the imperfection of the process of hay-making.

The priucipal cause of the deterioration of hay is the water which exists in it, either from its incomplete removal in the process of drying, or by its absorption from the atmosphere. Water existing in hay from either of these causes will induce fermentation, a process by which the sugar will be destroyed.

The amount of soluble matter capable of being taken up by cold water amounts to 5 per cent. or about a third of all the soluble matter in the hay. We may therefore form some estimate of the injury done by every shower of rain which drenches the grass after it has been partially dried for hay. It is not only the loss of the sugar and salts that makes hay so much less acceptable to stock than sides the juice, the tree yields a pleasant fruit, grass. The bleaching which it undergoes dea valuable oil, and a drug for the chemist. Its prives it of the green coloring matter, and posed of a particular kind of wax, which becomes diminished in proportion to the exposure of the grass to the suu, in the process ing valuable horses or cattle should have them of drying, or by the evaporation of rain-water which is absorbed during wet weather at the time of harvesting. There is scarcely any of the "Hartford Live Stock Insurance Com- operation on the farm that requires more judgpany "-one of the most responsible institu- ment than that of hay-making, for upon the of Barrington Centre, R. I., has purchased upon it. Some varieties of grass have more including the imported cows "Jean Armour" varieties should be made. - Western Rural.

#### CROP PROSPECTS.

THE Pennsylvania papers concur in the opinion that the coming wheat erop will probably be the largest ever harvested in that State. In Wisconsin an excellent erop is expected. is water, the amount of solid matter being The Rockingham (Va.) Union says the growing crop of wheat is extraordinarily fine, and the other grains very promising, while the yield of fruit will probably be greater than ever before known in that section.

> The wheat crop has commenced in Georgia. South Carolina planters report that the recent rains have seriously injured the eotton crop. The first cousignment of new wbeat

> has reached Charleston for sbipment to New

A Janesville (Wis.) dispatch says that the late wet weather has produced a wonderful effect upon the Spring sown wheat in southern Wisconsiu. Great expectations of an excellent crop are generally entertained. Wheat is coming forward faster than for some weeks. Cora is generally planted.

PROSPECTS IN CALIFORNIA.—The San Francisco Bulletin reports a continuance of favorable reports concerning the agricultural prospects this season. It says:

"It seems to be conceded that this year's harvest will he the most abudant ever known in California. Except in a very few instances the fruit erop appears also to be very promising.

In regard to the prospect for the corn crop at the West, the Chicago Tribune remarks:

"The weather during the past month has been wet and eold, and in the southern part of this State, and in Iowa, Indiana and Keutucky a large area of ground will have to be replanted. The season is far advauced, put should the weather for the next two weeks continue warm and clear, the injury inflicted can be easily repaired. Iu 1865 the Spring opened up very much like this year, and corn was planted as late as the 10th or 12th of June. Nevertheless, the season for ripeniug was so exceediugly auspicious that the erop of that year was never excelled for quality or quantity. There is no cause at present for serious fears or forebodings, It is seldom that two partial failures of the corn crop oecur in succession, and the instauces in which wheat and corn both suffer are very rare. This country is very large and it is not safe to bet against the prospects of any crop, until the season is much further advanced, and even then it is a hazardous business.

Acres of grass in some parts of Vermont have been destroyed by gruh worms. They eat the roots and give to the ground the appearauce of baving been burned over.

The season is an extremely backward one iu Northern Vermont and New Hampsbire, and farmers have not yet finished their planting.

Kansas.—The Kansas City Advertiser says the wheat crop looks finely in all portions of the State. Where the Fall wheat was destroyed hy grasshoppers Spring wheat was substituted, and is in fine condition.

NEBRASKA.—Papers South of the Platte, where the grasshopper plague was threatened, announce that the recent storm has cleaned the pest out wherever it prevailed. The Nemcha (Nebraska) Courier states that the great number of blackbirds, plovers and other varieties, are gulpiug down the young grasshoppers by wholesale quantities.

The Boston Journal reports a dandelion growing iu that city which measures seven feet in circumference, covering a space of over two feet in diameter. The leaves, some sixty in number, are sixteen inches long, hy three inches wide. The flower stems are thirty-six in numher, being two feet and a half high.

PURCHASE OF AYRSHIRES, - Joseph Hodges, quality of the hay in a great measure depends of C. J. Hayes, of Unadilla, N. Y., six cows the condition of the animals which are fed from his fine herd of thoroughbred Ayrshires, "Baldic."



Dr. Johnson held that early debt is ruin. His words on the subject arc weighty and worthy of heing held in remembrance. accustom yourself to consider debts only as an inconvenience; you will find it a calamity. Poverty takes away so many means of doing good, and produces so much inability to resist evil, both natural and moral, that it is by all virtuous means to be avoided. Let it be your first care, then, not to be in any man's debt. Resolve not to be poor; whatever you have, spend less. Poverty is a great enemy to human happiness; it certainly destroys liberty, and it makes some virtues impracticable and others extremely difficult. Frugality is not only the basis of quiet, but of beneficence. No man can help others that wants help himself."





#### THE BEAUTIFUL SPRING.

Sing, sing, sing, A song to the beautiful Spring, For she touches the land With her heautiful hand; And the young verdure springs On invisible wings, And over creation a fairy robe flings.

Ring, ring, ring, The marvelous chimes of the Spring, And a musical voice Shall answer rejoice, From the unfettered rills That the mountain distills To the bird that your heart with melody thrills.

Wake, wake, wake, Your many-voiced harmonies take, And dwell on the love Of the Father above, Who sendeth the Spring To the glad hearts that bring A full, swelling chorus, and joyfully sing.

### General Miscellany.

### DEAD LIONS.

More than half a ecutury has elapsed since the British legions, commanded by Wellington, hattled with the Freuch veterans under Marshal Soult, for possession of the ancient town of Toulouse. The field was stuhhornly contested-the Gauls stood manfully to their fantry succeeded in storming 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 British line. Success was dearly victory hy hurying thousands of his hest men on the field they had conquered. Few, and greatly distinguished were those whose remains Garonne. were carried from the field and 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 place of his gallant countrymen, who fell iu the great hattle of Toulouse. Now, although Shakspeare's clown warrants the houses made hy grave-diggers to last till doomsday, we would remark that the narrow tenements of the dead, like the habitations of the living, require a little facing and pointing every onee iu a while to keep them iu anything like a respectable condition. The meddling hand of Time does a considerable amount of mischief our atmosphere—less than one half of one per in the course of fifty years—the wandering ceut.—that much of the heneficent effect of Briton found the graves of his eouutrymen so dilapidated that the chauce of their lasting till doomsday seemed somewhat doubtful.

On his return to England, our traveller set ahout making arrangements for having the necessary repairs executed, but his pious labors were cut short in a most nnexpected mauner. Somehow or other the French Emperor By this means the heat, instead of heing transheard of his intentions, and oue fine morning he received a letter under the Imperial hand tion:-

PALACE OF THE TUILERIES, Jan. 20, 1867. Sir-I learn with regret that the tombs of the English officers, killed at the hattle of Toulouse, are in a state of dilapidation. Soldlers who fall upon a foreign soil are the property 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 accorded that in thus claiming as a privilege the task of preserving the ashes of British foemen who fell upon French soil, Napoleon III. has displayed the magnanimity of a true soldier.

The tombs of Toulouse commemorate the get a living.

time when a British army stood encamped in the heart of France, with the "halo of twenty victories playing round their hayonets." The erumhling stones of those monuments tell of the long line of disasters which fell upon the French arms from that hright May morning of fatal 1813, when Wellington, Commander-in-Chief of the British army, and Generalissimo of the Spanish forces, crossed the Douro at the head of his legions, driving King Joseph and his 60,000 French veterans in precipitate retreat hefore him. The Englishmen who found bloody graves at Toulouse were survivors of Vittoria—that fearful blow which destroyed the efficiency of the French army, swept the invaders from Spanish soil, and crushed Joseph's mushroom monarchy to dust.

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 which 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 officer. driven, like chaff before the wind, into their own territories, as plainly as the sea-shells indicate how far the storm-vexed waves encroached upon the shore.

These braves who are now sleeping the long sleep, could tell how Ross charged at Sauroreu; eagles, but the fates were against them. After how awful was the slaughter when the famous a long and bloody struggle, Beresford's in-light brigade trapped Rielle's division in the defiles of Echallar; how the forlorn hope forded the crimson Urumea to assault the grim walls of St. Schastian; how the passage of the Biadossa was forced; how the dizzy heights of La Rhuue and Bayouette were stormed, and finally, how in a six weeks' eampurchased, however; Wellington paid for his paign Soult was driven from Bayonne to Toulouse, and Wellington had conquered the whole country hetween the Pyrenees and the

> There is no more glorious page in British history than that inscribed with the records of the Peuinsular eampaign; ou the other haud, there are few which occasiou more unpleasant remiuiscences to those who have the glory of France at heart, and yet Napoleon III. can afford to say: "Soldiers who fall upou a foreigu soil are the property of that country, and it is the duty of all to honor their memory."

THE MOISTURE IN THE AIR. - One of the most curious and interesting of the recent discoveries of science is, that it is to the presence of a very small proportion of watery vapor in the heat is due. The rays of heat sent forth from the earth after it has been warmed by the sun would soon he lost in space hut for the wonderful absorbent 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. mitted into infinitude as fast as produced, is stopped or dammed up and held back on its rapand seal, of which the following is a transla- id course, to furnish the necessary conditions of life and growth. Let this moisture he taken from the air but for a single Summer night and 'world held fast in the iron grip of frost." fire, aud all organie life he hurned up.

> The fisherics on the James river, according to the Richmond papers, are yielding an uuusual harvest. The fish have been less vexed and hred as any of the others. thinned out during the last few years than usual and have had time to increase and multiply. Herring and shad are immensely abunremarkably low prices:

#### A MONARCH OF REPUBLICAN TASTES.

The royal gentleman who at present shares with M. Bismarck the government of Prussia is a true Brandenhurgh. He unites with an implicit faith in the doctrine of "divine right" dislike for all luxury and show. M. Edmond Croset furnishes the public with some illustrative facts and anecdotes.

The King, according to M. Croset, has the tastes of an old soldier. It is well known that he does not live in the palace at Berlin, prefering to retain the residence which he occupied when prince. His private rooms in this residence are not large, and are very simply furnished. He has fitted up his hedchamber as nearly like a teut as circumstances will allow. An irou hedstead, wooden chairs, and the plainest toilet conveniences, are all the furniture. His table is quite as modest, and he rarely makes any change in the hill of fare. He is methodical in his hahits, and hecomes him to throw away au old coat, and he always wears the high military stock of the Prussian

At Baden-Baden the king occupies a suite of rooms on the first floor of the Maison Mesmer, which he rents by the season. As an instance of his indifference to some points of royal etiquette it may be mentioned that he has authorized his landlord to let the rooms during his absence, on condition that the rent shall be given to the poor of Bader. So that Mr. Smith, of New York, if he will pay for the privilege, ean sleep in the vacant bed of William III. of Prussia.

An eye wituess describes an incideut in the king's life at Baden-Baden which sets his character in a pleasant light. He was walking at Iffezeim with a party of ladies. A swarm of little flower-girls, in the dress of the Black species. Foresters, hesieged him to buy their nosegays. In a few seconds his buttouholes and hands were full, aud he was perplexed to know how to dispose of his fragrant riches. M. Bismarck eame to the rescue, and raised the siege by giving to each of the little girls a Frederic d'or.

THE METEORS AND THE WEATHER.-Lust November they had a shower of meteors in Eugland, which accounted, according to the weather philosophers, for the hot weather which prevailed about the same time.

This spring they have had very cold weather ir England, as we have here; and now the same or another set of weather philosophers assert that this is caused by the earth having got back into the same plane with the orbit of the meteorites.

It is scarcely fair thus to accuse these poor wandering stars, which have no means of setting themselves right hefore the public of a planet which must appear to them a star of the first magnitude. Formerly the man in the heria. The last expression he made was "It moon was hlamed for had weather, but the poor fellow has not been much talked of since In the Summer of 1860 some French physi-Lord Rosse's telescope was brought to hear on eians found him, after having lain frozen for him, and since Professor Draper began to photegraph his ahode.

ARAB HORSES FOR NAPOLEON.-Napoleon, the sun would rise next morning upon a the Emperor of France, has been presented with four Arah horses by the Viceroy of Egypt. But the power of absorption and of radiation The two fluest animals are each five years iu the same hody are always equal, so that at old, one a chestuut and the other a hright hay, length it is poured forth into space; else our and they are of the Persian breed. The third honor their memory. I take upon myself the atmosphere would become a vast reservoir of one of the lot is a bright brown, and is the how many Gods there were, was instantly anpurest type of the Nedje, the true courser of swered hy his younger hrother:-"why one, the desert. He was formerly owned by Tous- to he sure." "But how do you know that?" soum, the son of Said Pacha. The fourth inquired the other. "Because," he replied,

> In the beginning of the Luxemhourg troubles, a lady of high standing at the Prussian court dant and are said to he flooding the markets at asked Count Bismarck on a special oceasion, "what do you think will happen this Summer?" "We shall play sixty-six," (a German game Wendell Phillips says-"The best educa- at eards,) answered Bismarck. "What will be tion in the world is that got by struggling to the stake?" inquired the lady. "One Napo-slant that reminds one of a vicious cow with leon, " returned the minister.

#### WHEN TO CUT OAK BARK.

OAK BARK contains more tannin when cut in Spring, by four and a half times, than when eut in Winter; it is also more plentiful in young trees than in old ones. About 40,000 tons of the simplest personal habits and an unaffected loak bark is said to be imported into England annually, from the Netherlands, Germany, and ports in the Mediterraneau. The quantity of English oak hark used we have no mode of ascertaining. Our own tanners pay very little attention to the period when oak or hemlock is cut. We helieve that as a rule, however, this work is done at a season when the bark will easily peel, which would he in Junc, or about that time. Sir II. Davy says that 8½ pounds of oak bark are equal to 21 pounds of galls, 3 pounds of sumac,  $7\frac{1}{2}$  pounds of bark of Leicester willow, 11 pounds of the bark of Spanish ehestnut, 18 pounds of elm bark, and 21 pounds of common willow hark. For a very long time oak hark only was used iu England for tanning. Hemlock does not grow attached to the things about him. It grieves there. As the oak was being gradually consumed, (the case with the hemlock with us) other substances were introduced: heath, myrtle-leaves, wild laurel leaves, birch tree bark, and even oak-sawdust. The principles of tanning have not been correctly understood until since the year 1800, in consequence of the researches of Davy and others. - Hide and Leather Interest.

#### FACTS IN FRUIT CULTURE.

Doeron Trimble, of Newark, New Jersey, who has paid great attention to fruit culture, gives the following as his views-the result of mauy years experience.

- 1. That the most successful way to conquer the eurculio is to gather the fruit as it falls aud feed it to stock or destroy it, as it is hy this fallen fruit that the curculio propagates its
- 2 That the fruit of the apple tree can be protected from the apple tree moth hy wrapping around each tree two or three times a rope made of straw. The moths will harhor in this rope and can then he destroyed.
- 3. That the only way to kill the peach tree horer is to cut him out with a knife, not once only in a season, but to follow him up every two weeks until exterminated. After the first "going over" of an orchard this will be little or no trouble, as each tree can be attended to in two minutes.

The dairy pastures of a Montgomery eo., Pa., dairyman are highly commended. They are seeded 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

A STORY is told of a soldier who, ahout one hundred and fifty years ago, was frozen in Si--." He then froze as stiff as marble. one hundred and fifty years. They gradually thawed him and upon animation heing restored, he ended the sentence with, "ecedingly cold."

Mr. Maitland, of New York, has recently sold eleven cows and heifers from his herd of Alderneys at prices ranging from \$200 to 500

A LITTLE Boy who was asking his mother horse is a grey in color, and nearly as finely "God fills every place, and there is no room for any other.

> The celebrated Doctor South on an occasion preached before the corporation of tailors. He took for his text the appropriate words-"A remnant shall be saved.

A COUNTRY editor describing the honnets now in fashion says :- "They have a downward a hoard across her eyes.



From 1840 to 1860 the amount of wool raised in the States and Territories increased from 35,802,114 pounds to 60,364,913, pounds. Of the amount produced in 1860, New England contributed 6,578,064 pounds; the Middle States, 15,093,058; the Western States, 25,231,810; and the Pacific States, 3,489,350. The most notable increase was in California, which in 1850 produced only 5,520 pounds, while ten years later the product was 2,633,109 pounds, an enormous gain, which has eaused wool-growers to confidently predict that California will soon he the largest wool producing State in the Union. Indeed, three years ago it was estimated that there were nearly three million head of sheep in the State. Taking all the States and Territories the amount raised in 1860 was nearly two pounds to each inhabitant.—U. S. Economist.





## Field and Farm.

THE CORN CROP.

Written for the Farm and Fireside, BY ALEX. HYDE, LEE, MASSACHUSETTS.

Though not advocates for the extensive cultivation of maize in the Eastern States, we should be very sorry not to see a patch of corn on every sizable farm. Enough of this cereal should he raised to furnish meal for table purposes, and a little surplus to fiuish the fattening of the pork. We bave never seen any Western corn that would make as good hoiled pudding and "Johnny cake," as the yellow flint coru of the East, and we certainly never ate any Western pork that could equal the bome-made article. This may he mere prejudice, a partiality that has grown with our prejudice eradicated, and we hope never to see the corn crop entirely ahandoned at the East. there is not much room for corn, nor much margin for profit in its cultivation, hut even iu this one-horse mode, a little space devoted to fort. We cannot iudeed raise it for fne!, as onr Western neighbors talk of doing, but it may be as profitable for us to raise it for the table, as for them to use in the grate or stove. It is small eorn fields and small stalks, and thinks 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 sta-Illinois. When we come to the market value of the crop, the advantage is still more in fa-plump ears whose husks are turning yellow. compiled from the returns of four years, shows as we go West:

States.

We must by no means infer that the average plying the markets of the world. All that we of the stover, we are satisfied that the profit ahly with what it is in the Mississippi valley.

ger of surfeiting it with its proper aliment. dust. Corn loves a dry, silicious loam, and September. 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 Many seem to suppose that the sole object of -1837 and 1850.

This is only one object. A crust forms on the is essential to rotting well. When corn stalks, surface of plowed land after a raiu which re- straw and ordure of animals are all trod down tards the free passage of heat and air. This firmly during the winter and spring, the air is crust is most cheaply and effectually hrokeu effectually excluded, and the material will not up by the cultivator. As most of our farm rot until it has been forked over, were it to rehands are Irishmen, nnaccustomed to the coru main there for a year or more. If it is loosencrop in their native laud, they must be in- ed up so that the air can circulate among it structed in hoeing to pulverize the dirt they the eutire mass will decay in a few weeks so bring ahout the young shoots, to make hroad that it will be easy to pitch and spread it .flat hills, and to push as well as draw their Now, the most expeditious mauuer of pitching hoes. Many of them act as though a hoe was manure up clean from the hottom is to do the an iustrument they had never seen, and as a greater portion of it with a horse fork. Set up general rule they are less skillful in the coru three long poles as for pitchiug hay on a round ing a handful of dry wood ashes, scattered on the manure first; then thrust the tiues of the growth, but if so, we never expect to see the too severely coudemned. All vines, heing of man, or two men, can pitch much faster by On the five and ten acre system of farming little hill are more than can generally be hon- over to facilitate the decay of corn stalks and manure their corn in the hill, and learn how ored. Besides the vines run over the corn, If the land is rich and uo other convenient this cereal will prove a great source of com- place is found for the pumpkius, plant them only on the outside rows so that the vines may run into the meadows or over the fences. As they seldom ruu much till after the grass is mowed they will do comparatively little dama mistaken idea that we do not raise as much age on these ontside rows, and as, with a luxucorn per acre at the East as is raised on the riant growth of corn, few pumpkins will be fertile prairies. The Hoosier laughs at our found, except on the borders, even when planted over the entire ground, this is manifestly the place for them.

Early maturity is one great desideratum of the coru crop in New England. To secure this we must not only plant early, but select tistics prove that the average yield of corn per for seed the earliest ripened cars. This can acre in Vermont is five hushels more than in best he done by passing through the field as the corn begins to glaze, and selecting the full vor of the East. The following table takeu By selecting from stalks on which two ears from the report of Commissioner Newton, and grow, and doing this for a succession of seasons, we shall obtain a variety whose fixed how the value of an aere of corn diminishes characteristics will be 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 profit at the East is greater than at the West. from the soil, and the stacks will furnish the In cheapness and fertility of land, the amount ears all the requisite support just as well standot lahor expended, and value of fertilizers, ing in small stacks as ou the hill. In our long they have greatly the advantage of us, and we cold Winters the stover is no inconsiderable do not expect to compete, on our rocky hill- iohject in raising corn. If cut up, as it always sides, with the Western bottom lands in sup- should he, and sprinkled with meal, it is most grateful to eows, and eauses a great flow of contend for is, that we should raise enough for milk. Hay has ruled so high of late years that domestic use, and when we consider the value corn fodder is more highly prized. We rejoice to see the practice of sowing corn for fodder of au acre of corn with us will compare favor- increasing in popular favor. The present late, wet Spring will prevent the planting of some Corn is a gross feeder, and there is no dan-corn, but any time in June will answer to sow it for fodder, and six or eight tons of stalks There are few crops to which we can apply per aere will he found no small remuneration coarse maunre with so great success. If the for the loss of the corn, and this large yield sod is not a rich one, we prefer to plow in the will be found to exhaust the land less than the coarse manure, as this will serve to sustain the production of the cereal. For sowed coru the crop the latter part of the season, when the rows should he two feet apart and the kernels ears are filling and the greatest drafts are made inot over one inch from each other. No hoeon the deposits in the soil. To give it an early ing is necessary as the cultivator will do the start, a slight dressing of well rotted compost work most effectually. For sowing, sweet harrowed in answers a good purpose. If the coru is far preferable to the common varieties, manure heap is not sufficiently large for this and the Stowell Evergreen is No. A. It grows double coat, theu a small handful of guano and larger and eattle evidently prefer it. We have plaster well mixed and dropped in the bill will inoticed that our cows, fed on the sweet corn for cause the shoots to start with quickuess and a time, will smell daintily of the common sort, vigor. As guano is mainly the deposit of birds, and look up, plainly inquiring, "Have you not we may as well make our own from the hen something better to offer us?" Sowed corn is or pigeon roost, and the domestic article has somewhat difficult to cure, and probably the in one respect greatly the advantage over the most economical time to feed it out is when imported—we know we are not using brick the pastures fail in the droughts of August and

Mr. Asa Strong, of Northampton, Mass., there is little danger of an excessive use either who has kept a table of the dates of the full of the harrow or the cultivator. The latter blooming of apple trees for the last thirty-five should be run between the rows, as soon after years, says that only in two years during that every heavy rain as the land will crumble. time have they blossomed so late as this year

cultivating and hoeing is to root out the weeds. Forking Barnyard Manure Over.-This than in the potato patch. After the first hoe- stack, and make a hole down to the bottom of each hill, will greatly aid in furnishing the in- horse fork uuder the mannre, and turn it up in organic matter with which all grains abound. large rolls, and tear it to pieces with hand The practice of sowing pumpkiu seeds indis- forks. Horse forks are of great service where criminately through the coru ground cannot be the manure is very long. After it has rotted, a a rampant growth, are exhausters, and two hand. If harnyard manure remains in the such drafts as coru and pumpkins make on one yard all summer, it should always he forked seed upon the mauure heaps, from which they coarse straw. But it should he protected from pulling it down and excluding light and air. Frain. Some farmers pitch long mannre in the ahle it is in comparison with corn. wagon with horse forks. But I never could perceive that the practice would pay, hecause a horse fork will not hold as much as a horse is capable of elevating. It is easy for any one to try the experiment, which will soon satisfy all auticipations or doubts on this subject. North British Agriculturist.

> TO PROTECT CORN FROM THE CUT WORM.-There seem to be different opinions about the advantages of soaking corn in gas tar, previous to plauting. Our own experience is, that unless the seasou is very wet, the gas tar acts upon a grain of corn as it does when applied to roots and feuces to preserve them, by preveuting the access of moisture. The coating of tar luterfores with the absorption by the coru of the necessary moisture for germination.-Ours has laid in the ground for weeks in the same condition as when planted, the tar first aud then the plaster it was rolled on, covering it completely, and apparently preventing its sprouting. A far hetter plan to keep off the cut worm is to drop a tablespoonful of coarse salt on the top of each hill, soon after planting. This is carried down by the rains, and acts as a fertilizer, besides destroying the cut worm. Salt is peculiarly ohnoxious to this class of insects, and perhaps all classes. - Practical Farmer.

PLASTER AND ASHES ON BARLEY.-A COPrespondent of the Cauuda Farmer, remarking on the sowing and management of harley, 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 a them back further yet." As harley is very late this year, time will be afforded to test the circumstances shall dictate. officacy of this treatment where wire-worms are fonud at work ou this graiu.

Age at which Garden Seeds may be Safely PLANTED.—Henderson's Gardening for Profit, gives the following in regard to the time which garden seeqs may be kept without fear of failing to germinate: Those only safe for two years are heans, peas, peppers, earrots, 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

Those possessing the greatest vitality, the term ranging from five to ten years, are: The heet, cucumber, melon, pumpkin, squash and tomato. He says, with the exception of parsnips, onions and leeks, "I would just as confidently sow two years old as when freshly gathered."

Every seed contains three principles, the organ of nourishment, the nascent plant or factures is £218,000,000, and the annual profit plumule, and the nascent root or radicle.

Raising Turnips.—Four hushels of Swedish turnips 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 knows. They bave been reported at fifty ceuts a hushel all winter in the markets. After our slovenly manner of cultivating them, two or three hundred bushels to an acre are often realized, while according to reports to agricultural societies, eight hundred and a thousand hushels are often raised upon an acre in New York and elsewbere, hy those skilled in the old country methods of cultivation. Should we try as hard for a crop of turnips as for a crop of corn, no doubt cau be entertained that four or five hundred bushels upon an acre could be casily raised, and they are certainly a sure crop, as they can be planted over, or transplanted any time 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 easily they may raise this root, and bow profit-

CLOVER differs entirely from the cereal crops iu this: it sends its maiu roots perpendicularly downwards, when no obstacle stands in the way, to a depth which the fibrous roots of wheat aud harley fail to reach; the principal roots of clover hranch off into creeping shoots, which again send forth fresh roots downwards. Thus clover, like the pea plant, derives its priucipal food from layers below the surface soil; and the difference between the two cousists mainly in this-tbat the clover, from its larger and more extensive root surface, can still find a sufficiency of food in fields where peas will no longer thrive; the uatural cousequence is, that the subsoil is left proportionately much poorer hy clover than by the pea. Clover seed, on account of its small size, cau furnish from its own mass, but few formative elements for the young plant, and requires a rich arable surface for its development; but the plant takes hut comparatively little food from the surface soil. When the roots have pierced through this, the upper parts are soon covered with a corky coating, and only the fine root fibres ramifying through the subsoil convey food to the plant.—Liebig.

FODDER FOR STOCK.—It is prohable that considerable laud designed for corn the present Spring will fail to be planted on account of the prevalence of wct weather. Iu such cases it would be a good plan to sow corn for fodder purposes. Good land will produce a heavy burthen of this kind of food for cattle. It is especially good for dairy stock, and may be fed in a greeu or in a dry state. The swect variety is considered the best, as it is richer and eaten more readily than any other. What is not used in a greeu state may be cut and peg or two, hut the ashes and plaster will set dried for Wiuter use. It may be fed whole, or cut up and mixed with something else, as

> PLOWING EARLY AND LATE. -Do not plough ground early in the season when it is to be ploughed once. If the soil is to be ploughed the second time, in the month of May, or in the latter part of April it may be ploughed in March. But, when land is to be broken up only once in the Spring, it will be better for the soil and far better for the crop, to defer ploughing until the growing season has commenced and the ground become thoroughly warmed by the suu and gentle rains. When heavy ground is ploughed very early in the Spring, during the fall of beavy raius, it becomes thoroughly saturated with water, which causes it to run together like mortar, when it settles down, soon hecoming quite as compact as before it was

The capital invested in agriculture in England amounts to £3,311,000,000, returning a profit of 13 per cent; the capital invested in manu-120 per cent.



Manuring.—Professor Way, who has devoted a great deal of time to a study of the operations of fertilizers, says his experiments show that the salts of ammonia will not filtrate through clay, but that much of this fertilizer in solution will escape through a silicious sand. This might induce a helie that a sandy soil contains no aluminous 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 absorbed by the roots of growing plants. A sandy soil that will not form a crust after a shower undoubtedly loses some of its nasceut ammonia, which passes off from the loose surface in the form of gas, but when in solution the soil retains it for the use of plants. Any discoveries connected with manures can be considered of importance to the agricultural world.







## Farm and Fireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JUNE 15, 1867.

AGRIOULTURE feeds us; to a great extent it clothes us; with-out it we could not bave manufactures, and should not have com-merce. These all stand together like pillurs in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTEE.

#### TO SIX MONTHS' SUBSCRIBERS.

ALL persons who subscribed for six months only, to the FARA otherwise their papers will be discontinued.

#### PROPAGATION OF FISH.

WE notice in an article in the New York Evening Post, that four of the New England States-Vermont, New Hampshire, Massachusetts and Connecticut—are discussing the ways and means of protecting shad and propagating salmon in the Connecticut river. The subject is now before the Counceticut legislature in the shape of a report from a commission appointed last year to study and suggest plans for the preservation of shad, and how to restock the river with salmon, for which the Connectieut was once famous. The report, which embraces an interesting history of the river fisheries, past and present, recommends the passage of stringent laws to prevent the wholesale slaughter of shad by means of gill nets and stake nets at the mouth of the river. If Connecticut will enaet and enforce such laws, that State will perform its part in the co-operative movement, leaving to the other States the work which they have already agreed to do, to wit, the opening of fishways in the dams, while New Hampshire will assume the care of re-stocking the river at its source with impregnated shad and salmon spawn. New York city is interested in the project, inasmuch as Connecticut river shad are considered far superior to Hudson river shad, both in size and flavor, selling readily in the markets for seventy-five eents or one dollar. Increased supplies at much lower prices are much to be desired there.

Fish-euliure, which is carried ou with great sucess in other countries, is, as yet, only experimental in the United States. Our natural fisheries, like our primeval forests, are not yet exhausted, though the rapid diminution in the supply of the choicer varieties of river fish, and the constantly increasing prices are directing attention to the subject. In Connecticut and Massachusetts, ponds and streams here and there have been very successfully stocked with trout, but we do not hear of any effectual attempts to restock exhausted rivers with salmon. The experiments in England and Scotland have been very successful, and salmon spawn taken to Australia two years ago hegin to show productive returns. It is quite as easy to cultivate this "erop" as any other, and the production is enormous,

France was first in successful fish culture, and the facility of production and the consequent cheap rates at which fish can he furnished in the markets bring this kind of food within the means of all classes in that country. Next to meat, it is the most healthful and nutritive food that can be furnished, and the high prices of all kinds of meat in our markets should stimulate the production of fish in such quantities as to furnish the people with a cheap and substantial substitute for beef and mutton. A pound of salmon affords nearly the same amount of nutriment as a pound of beef; and when it is proved that salmon can he "raised" nearly as easily as the peas which are its pleasant companion dish, choice fish will be as common and as cheap in market as any article of animal food.

RUTA BAGA, OR SWEDISH TURNIPS should be sown the middle or last of this month. All large wheat crop, with downward tendency in land intended for their cultivation should be price, will follow a decline in all kinds of merdeeply and thoroughly ploughed. This is essential for large crops. Land should be well ally by the lahoring classes. manured. An experience with bone-dust and super-phosphate, leads us to recommend hoth for turnips

#### VALUE OF DOGS.

A facetious cotemporary shows up the value of dogs in this way : - "Tray is our friend. He sticks to us, and also stuck to neighbor Jones's leg the other day. He once hit us. That friendship made a great impression on us-the impression of his teeth is there yet! But dogs ean't help doing these things. It is a defect of natural disposition. It runs in their family, to he dogs. Their ancestors were tilizers annually. He keeps 220 cows, sells dogs before them. The dog is very useful. He is good to eat beef. He is great on wagging his tail. In short, he's a great wag.'

So, we conclude, is the author of the above paragraph. But he should remember this fact—the most faithful friend of man is the great fortune in building railroads in Russia. dog. Although a brute, he possesses more gratitude and affection than three-fourths of the human family. Men like Youatt, Mayhew, Hutchinson and William Henry Herhert, understood the dog, and valued him as a friend and servant. Every Summer comes up the cry of "mad dog," and eity councilmen and hydrophobic eowards demand a sacrifice of this persecuted race. If they were underhetter known, and good care taken of them hy their owners, we should bave less hydrophobia and no wholesale hutchery of our truest friends and companions—the dogs.

Oliver Goldsmith, the most charming and companionable of poets, wrote an "Elegy on a Mad Dog," in which is this couplet :-

The dog, to gain some private ends, Went mad, and bit the man,"

That was a cruel libel on dogs in general, and that dog in particular. Goldsmith well knew that the eanine race had no "private ends" (except their tails) to avenge-and then only in the "dog days!" But the poet consoled his readers hy adding the melancholy fact:-

"The man recovered from the bite, The dog it was that died.

We suspect Goldsmith was hungry, possibly very dry, perhaps needed a clean shirt, and more than probable some ready cash, when he ascended Parnassus in pursuit of a mad dog. Miserable, sorrowful, misanthropie poetpoor, unfortunate, friendless dog!

TWELVE THOUSAND AGRES OF ROSES.—The rose fields of Adrianople extend over 12,000 acres, and supply the most imporrant source of wealth in the district. The season for picking the roses is from the latter part of April to the early part of June; and at sunrise the plains look like a vast garden full of life and fragrance, with hundreds of Bulgorian boys sacks, the air impregnated with the delicious scent, and the scene euliveued by songs, dancing and music. It is estimated that the rose districts of Adrianople produced in the season of 1866 ahout 12,000 draehms of attar of roses. The oil is extracted from the petals by the ordinary process of distillation. The attar is bought up for foreign markets, to which it passes through Constautinople and Smyrna, where it is generally despatched to undergo the process of adulteration with sandalwood and other oils. It is said that in London the Adrianople attar finds a readier sale when it is adulterated than when it is genuine.

THE WHEAT HARVEST IS close at hand, and the prospect for oil Immense crop-perhaps the largest twer grown in this country-has vanced that no fears are entertained of even a partial failure. In the Southern States, within the wheat growing helt, we have cheering reports. From the West, which furnishes the major part of our breadstuffs, comes the good news of ahundance, with indications of a superior quality. We may expect, the coming Winter, to eat cheaper hread than for two er three years past. With this prospect of a chandise. This will not be regretted, especi-

The potato blight has appeared in Ireland, and whole fields are affected by the disease.

#### SPIRIT OF THE AGRICULTURAL PRESS.

The Senior Editor of the "Country Gentleman" is travelling South. He notes great improvement in agriculture in New Jersey and Maryland. His last letter describes the two farms of Ross Winans, near Baltimore, on the Patapsco river. These farms comprise over seven hundred acres, on which he applies \$15,000 to \$20,000 worth of manures and ferthe milk to dealers-his yearly sales reaching \$50,000. On these farms he cuts eighteen hundred tons of hay! enough to fill forty-five barns of forty tons each. We must call Mr. Winaus the King farmer of Maryland. He made his

Professor L. J. Campbell, of Washington College, Virginia, contributes an article to "The Farmer," published at Richmond, on the "Mineral Resources of Virginia." He thinks the immense quantity of barytes, found in the valley counties, of great value as a fertilizer; though not so valuable as the Nova Scotia plaster. The latter contains forty-six stood, their nature, character and constitution per cent. of sulphuric acid; but the Virginia barytes has but thirty-four per cent. Both of these fertilizers have a heneficial effect on the growth of plants, as they absorb the carhonate of autmonia contained in the air, and in rainwater, and fix it in the soil.

> A correspondent of the "Ohio Farmer" writes rather discouragingly of the wool crop for 1867. He says: "I think sheep will shear one pound less wool this year than last, judging from the shearing done this Spring." also estimates that Ohio has one million less sheep this year than last. Said correspondent may he strictly honest in his views, but further confirmation of his opinion is required. We helieve the aggregate of the wool crop for 1867 will be larger than for several years past. Ohio wool is now selling at 45 to 60 cents.

> The "lowa Homestead" recommends the application of sorghum to the trunks of apple trees, to prevent the ascent of insects. It is said that sorghum does not dry up like tar, and is also much cheaper and hetter. The remedy may he a valuable one, but it will cost too much to sweeten all our orehards with sorghum-especially as the application is recommended to be applied daily.

An epistolary fight is going on in the "Rural New Yorker," about the value of different kinds of grapes. One writer tests Catawba and girls gathering the flowers into haskets and acid with Beaume's hydrometer, and finds it stands at ten degrees-meaning, probably, ten pounds of acid to one thousand pounds of juice. The same contributor condemns the Delaware grape, and says: "it is like a petted girl, decked out in extravagance, but bas proven to he unworthy the name-grapes, wine, &c., have a woody, leafy taste." An interesting fight—but only to grape speculators.

> Young people are very enthusiastic aud poetical; so are young publishers, generally. The "New England Homestead" boasts of its great success, although but two months old. Wait until you "gct out of the woods," boys. Papers that crow too early—like chickensdie a premature death.

HAY-MAKING .- Large quantities of clover had a tendency to reduce the price in all our and other varieties of grass will come to maleading grain markets. This crop is so far ad- turity in June, in the Middle States; also on some warm soils in New England. We therefore urge the necessity of early cutting-especially clover, for if left until the blossoms turn hrown, it will he of little value. We know that opinions differ as to the proper time to mow grass; some intelligent farmers prefer to let their grass stand until geing out of blossom. This may do with Herd's grass or Timothy, but not clover. We are strongly in favor of cutting all grass early, being satisfied that hay made then is far more nutrititious and valuable.

> bloom a field of tulips containing 20,000 specimens, of 300 varieties. They are a splendid enteen thousand dollars. We gave an illustra-

#### AGRICULTURAL ITEMS.

The Shenandoah Valley (Va.) farmers have recovered from the effects of the war to some extent, and now have growing the largest and finest wheat crop ever raised in that section.

The young farmers of Carroll Co., Ill., propose a premium of \$25 for the slowest mule, to be awarded at the time of the County Fair.

Many of the Southern people are chauging, it is said, from cotton to stock raising, as heing more eertain and profitable.

The Illinois Legislature passed an act designed to prevent the spread of the Canada thistle in the State.

The Fair of the New Hampshire State Agricultural Society is to be held at Nashua, Septemher 10, 11, and 12.

The annual fair of the Indiana State Agricultural Society, will be held at Terre Haute, commenciug September 30th.

Col. James Gleason, of Germantown, Pa., has been appointed Superintendent of the Experimental Government Farm, uear Wash-

A correspondent of the Boston Advertiser says he cured a Cotswold huck of gruh iu the head by blowing tobacco smoke into its uostrils.

A farm with shade and fruit trees set around the house, will sell from \$200 to \$1000 more than if there were none; while the girls will have more beaux, and the boys less likely to gct the mitten.

The local Agricultural Society of Norfolk Co., England, has an annual income of over

The cheese factory system meets with much favor in Canada. A number of new factories are to be established this Spring.

The eranberry vines on Cape Cod, Mass., so far as appearances indicate at this carly date, are doing well. There are over a thousand acres set with vines on the Cape.

The Windsor county (Vt.) farmers, at their recent club, were all agreed that thousands of tons of hay were injured, rendered almost as bad as straw, by heing cut too late, and they proved their position by uncontrovertible facts. All agree, also, to commence having earlier than usual this year. Mr. Tucker of Royalton declared that every forkful of his hay should he in his barn by the fourth of July.

The native grape vincs promise well in Boston and its vicinity, a heavy crop is set on the vines, which are now growing rapidly.

A small lot of tobacco was sold in Lynchburg last Friday, which was sixteen years old, being the crop of 1851. It was entirely sound and

Planters in portions of Georgia have been compelled to dismiss their hands and turn over their stock for want of bread and bacon.

The promise of a hountiful wheat harvest is one of the most cheering signs of the times. Whatever evils may be in store for us, scarcity of flour will not he among the number, and iu a few weeks the high prices which have made the United States importers rather than exporters of breadstuffs, will probably he sensibly

The cottou erop of Alabama for 1866, as near as ean be ascertained, was 329,415 hales. Over half of the crop was produced in Mareugo, Greene, Dallas, Wilcox, Lowndes, Pike, Montgomery and Barbour counties. The cotton crop of the state iu 1859 was over nine hundred thousand hales.

STIR THE SOIL.—The value of keeping all soils well stirred, among cultivated crops, is not half understood by the great mass of our farmers. Don't let the land become hard and baked, hut run your plougb and cultivator through your crops, and use the hand-hoe thoroughly. The benefits derived from working the soil-keeping it mellow-admitting the air, &c., must not be overlooked if you wish good crops. Stir the soil.

ST B. D. Godfrey, Esq., of Milford, Mass., A florist in Rochester, N. Y., has now in has sold an interest in his celebrated stalliou, "George M. Patchen, Jr.," at the rate of sevtion of this horse in our first number.



Raise Grass.—In order to do this successfully, we must keep our mowing fields secure from the trampling and feeding of stock of all kinds, especially in the early spring. When we sow our wheat, rye, oats or harley, our efforts should be as much directed to securing a good grass crop to follow these, as to the reaping a great crop of the above cereals. Let us then sow a plenty of the best grass seed, and see to it that the present crop is so put in as not to choke out the tender plants the first season. An overgrowth of straw is to he guarded against, if possible. It is one of the greatest causes of failure in the grain crop, as well as in the grass crop that follows. All strong green manures should he discarded in laying ground down to grass with grain. Such manures should be used upon the hoed crop or else composted with an equal hulk of muck before using.





#### THE COUNTRY COUPLE.

no you remember, Mary dear, As you pass through the porch, A good old country couple iu The first pew of the church?

He walks on crutches as he comes Adown the dusty way; She wears a queer old honnet; he A coat of homespun gray.

She always brings with her a sprig Of lavender or sage. They read the church responses in The hroken tones of age

'Tis said their early life was like Some strange and wild romance; His heart the eagle's courage shared, His eye the eagle's glance.

And she-ah, who could dream it now Was heautiful and fair; With radiant eyes and ruby lips, And sunny waves of hair.

She stood amid the maiden throng The lovely and the good, As 'mid the beauties of the East The Jewish Esther stood

They loved as few e'er lovo ou earth,-You're thinking of her honnet, and His coat of homespun gray.

They loved as few e'er love on earth, But there are spirits stern and cold-And they were forced to part.

The maiden sighed for him she loved, As beautiful as shadows make The lily of the vale.

She sighed hy day, and wept by night, You should not he so gay: You're thinking of her honnet, and His coat of homespun gray.

But, one night, when the flowery bells Swung on each airy stalk, A form, as noiseless as the breeze, Passed down the garden walk.

Passed down the garden-walk-but paused Before the open gate; She knew who, 'mid the liuden trees, Had promised he would wait.

They hastened through the dewy fields And, with the rising sun, A hridal ring gleamed on her hand; Those two fond hearts were one!

They have known joys and griefs since first They were so wildly wed; The cherished forms God gave them, all Are numbered with the dead.

And now they live alone, and watch The swift years glide away; She wears that queer old honnet, he That coat of homespun gray.

And sometimes, as 1 watch them in Their wide old-fashioned pew, I think how time will deal with me— How it may deal with you.

A few short years, and we no more Shall thus be young and gay; You'll wear some queer old bonnet; 1 Some coat of homespun gray.

But O! whatever trials come, Whatever sorrows fall, Though grace and joy with youth depart, Yet love shall live through all.

### Fireside Tale.

"I'LL MAKE IT DO."

"TIL make it do," said Mrs. Prentiss, as she laid her pattern this way and that, over her cloth, trying to get an overcoat for Willie ont of papa's ckl one.

neighbor, Mrs. Ellis, who had come in for a social afternoon.

she added, after a few minutes use of her scisgood as new!"

No doubt a good deal lay in Mrs. Prentiss' native "faculty," hnt which faenlty had heen developed and strengthened, and grown by patient 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 dnties, quiekening her perception of ways and means, and prompting her to a thoughtful care and eheerful industry.— James Prentiss was a carpenter, a man of good principles and considerable ability, a genial disposition and pleasing address. He had married young; and there were those who wondered at his choice of quiet Susan Palmer, "good and sensible, no doubt, but not to be compared with a dozen other girls in the village, any of whom James Prentiss might have had for the asking-poor, too; and old Jacob Mill would have been willing enough to give him his only child, and round thonsands with her."-And when the little ones gathered fast around his fireside, many a one prophesied that in her bosom, but for the terrible eold that "James Prentiss would he a poor man all his days!'

But somehew he never grew any poorer.-Work was steady, for those who once tried him liked to employ him again, and speak a word in his favor to others. Luxuries might not have been found in 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 hands and feet never went cold, for warm stocking and mittens grew in mother's nimble fingers, in long winter evenings. A little fairy that lived in mother's work-hasket, turned old eloaks, dresses, and flannel shirts, into miniature editions of the same, elean and wbole, warm and pretty, too.

A story that grandmamma had told the ehildren, in which the steam from the tea-kettle took form, as a genius, lingered in their memories; and now and then father was informed, with due gravity, when he came home at night, that a little elfin face had peered ont from the misty wreaths that went floating npwards.-But with dne allowance for the active fancy of childhood, certain it is that quite unpromising materials were transformed, through that stove into very inviting dinners. The cold potatoes and corn beef left yesterday, went into the spider, and with a little hot water, a little hutter and pepper, eame out excellent mineemeat; so with salt-fish; the remnant of a roast joint went into an iron pot, and therefrom was poured a niee soup, a few surplns spoonfuls of 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 pudding.

A guest might come in unexpectedly; but in Mrs. Prentiss' mind, what she could "make do" for her husband and ehildren, she could "make do" for her company, and with the hearty welcome, pleasant conversation and consciousness that they were not making trouble, her friends were quite as likely to enjoy their visit, as if she sat down with them, tired, worried and nervous from extra toil.

Not far off lived another family, with ahout equal means, but presenting quite a contrast in comfort and appearance. Strange as it may seem, however, the very expression Mrs. Prentiss used, "I'll make it do," and whose spirit cattle, brook-musie, and best of all, children's should meet his friend in the woods we doubt "I don't see how yon're going to do it," said frequently on Mrs. Grovert's line, but soomed ties took a large circuit, requestly a differ. frequently on Mrs. Greyzon's lips, but seemed tiss took a large eircnit, returning by a differthere only to do misehief.

"Wait a few minutes," replied Mrs. Prentiss, dresses, always looked neat and lady-like, and white, with green blinds, standing a little hack "and I'll show you. I can piece the under even tasteful. Her hair was always smooth from the street, with a space for a garden in sides of the sleeves so nicely you wouldn't and glossy, her hoots whole and nicely laced, front, and two or three linden trees, not very that the wind may not wrench it, or throws know it if you didn't look elese, and piece the her checked apron, when soiled, changed for large as yet, but already beginning to cast a ont an anchor into the boiling sea, that the facings; and-let me see!--James always wears a clean one, and her snowy linen collar never pleasant shade. A little brook rippled along ship may he held by it, so must we hind our his coat sleeves pretty thoroughly; but I can get forgotten. Her children, too, though allowed near hy, and in the distance, on one side, rose the pockets, certainly, out of them. There," perfect freedom of ont-door play, were tangle wooded hills, while on the other kry the village. God, and stay the storm-to-sed ship of our cleanliness and care. But Mrs. Greyson, if her sewed and pressed, and sec if it isn't almost as ening it in the morning, would tic it up in a that he had been at work on it recenfly, con-

and looks, too. I wish I had half your facul- would dash into her work, and if a spoonful Prentiss' expressions of pleasure, as she went of sonp or gravy splashed npon her dress, as day eame round—"made to do."

Patches of flour kept it company, and sometimes 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, experienced the ill effects of her "making do" system; even sehool and lessons being neglected, if she fancied she wanted their help at Is it engaged yet, James?" home, or if a mood of idleness on their part appealed to her mood of indolent indulgeneeas if an irregular, dilatory attendance, and half learned lessons, eould he made to do, in place of a real school culture. Many a serions fault was passed by unnoticed, or met by a hasty, injudicions puuishment, hecanse the mother would not take the time, or make the effort requisite to correct the evil effectually, with gentle firmness. And ah! a little form lay quiet and cold beneath the chnrehyard grass, that might still have nestled warm and bright found its way through a hole in the little shoe, that was "made to do" nnpatehed, when Ellie was sent ont-doors to play, "to get out of the way," a chilly, damp March morning.

Mrs. Greyson sometimes made bitter complaints, and often harhored hitter thoughts of her husband, because as she said, "he stayed at home as little as he well could: he didn't care to talk to her, or seemed to think no more of her company than if she was a cat or a dogno, not so much;" aud perhaps she was not wholly mistaken; hut if she would have taken the advice that Mrs. Prentiss had delieately offered more than once, she might have made a difference—who knows?

Well, time passed on, hringing no change for the better, hut rather worse with the Greysons; James Prentiss, meanwhile, supporting his family well, educating his children, and laying by, every year, "something for the rainy day."

"Ten years to-day since I was married, thought gentle little Mrs. Prentiss, as her eyes opened on a beantiful June morning. "Ten happy years! How full 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, getting a plain, but excellent hreakfast.

"Well, Susie, what do you think?" said her hushand, as they sat at the table; -"I've a ishly, as he added, "I'm sure we can afford it as well as anybody."

Susie did not dispute this assertion, and she was well pleased with the proposition. The children, were of conrse, wild with delight.

It was still early when the breakfast things were eleared away, and Mr. Prentiss drove to the door in a light carryall, drawn by a spirited bay horse, but well-trained and gentle. The children were all dressed, bahy springing and crowing in his unother's arms, and they were on their way without delay. Down the village street, along hy the river's hank, past pleasant homestead farms, through helts of woodland, over hills, and into quiet, shady glens-all in one delightful ever-to-be remembered ride,-Song of birds, and hum of honey-bees, low of ent road, and, about a mile from home, stop-Mrs. Prentiss, though she Wore mostly print ped at a neat, well-huilt, pretty eottage, painted

Mr. Prentiss asked his wife to go into the souls with the anchor of hope, that they may sors, "haven't I douc it? Wait till it is all shoe-lacing gave way when she was about fast-cottage and look it over, and she, knowing not sink. hnge knot, with "I'll make it do," twist up her sented without much surprise, and went in, "Well, I will say," replied Mrs. Ellis, frank- hair hastily, half combed, and harry down followed by the children. The rooms were of replied, wohine;

from room to room, seemed to gratify her huswas not seldom, it stayed there till washing band very mneh. After going over the eottage, as they stood at the parlor window to enjoy again the beantiful prospect, he passed his arm around her and asked-"Snsie, dear, should you like to live here?"

> "Of conrse I should," she replied in a quiet tone, not fully taking his meaning. "The lady who comes here onght to be contented.

"I rather think so," he answered, smiling, 'at least, Snsie, if it snits you to live here.

"What do you mean, James?" questioned Mrs. Prentiss, in amazement.

"Just this, dear," was replied. "This place is ours. For ten years you have been a kind, industrious wife. What I have earned, you have saved. You 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 could not have, had yon 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 cottage was half done he took a notion to go out West, where his son is, to hny some land and settle down. He has never been quite contented here since Joe left. He wanted to sell and I concluded to bny, 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 thought I would keep it for a surprise. It is the first thing I have ever kept secret from you, Susie, even for a time, since we were married. You put up with a good many ineonveniences in onr hired honse, such as I hope you won't find here. Darling, can you 'make this do?'"

"Yes," Snsie said, suddenly; it was an effort to restrain the tears of grateful affection that were springing to her eyes. "I'll 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 sneh 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 come or stay, as you wish, but I'm going to look after them.

A TRAVELLER stopped at a public honse in mind to make this a holiday, and take you and Maine for the purpose of getting dinner, knockthe children to ride." His eyes (winkled rogue- ed 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, while with the other she was giving her lord a pounding. Wishing to put an end to the fight, our traveller knocked on the table, and ealled out in a loud voice, "Hallo, there! who keeps this house?" The hushand, though much ont of breath, answered, "Stranger, that's what we are trying to decide!"

> QUESTION OF TASTE. -The question whether a hoa-constrictor onght to be fed live rabhits has turned up in London, and the serpent has a party in his favor, who elaim that if he prefers them alive his taste oneht to be gratified. They add that a hoa has as much right to live alive it would probably be with a prejudice in favor of rabhits.

> As a man hinds a tender sapling to a stake, wavering hearts to the support of the Word of

On a very pretty girl's saying to Lach Hant, ly, "that I never saw a woman that would stairs, without a collar, and with a dress bear medium size, sunny and pleasant, well arranged you belong to the other Jewish seet—you make a little go so far as you do, for comfort ing the marks of yesterday's cookery. For she for comfort, convenience and economy. Mrs. very fair, I see!"



What is to Happen in Time.—Philosophers fell is that the moon must be drawing slowly nearer the earth, and the two bodies, in the far distant future, will come together. The solid crust of the earth will be broken up by the shock, an immense quantity of heat will be generated by the destruction of the moon's motion, and the two bodies will fuse together into one molten globe. As the new and enlarged earth is cooled upon its surface, a second series of geological deposits will be constituted, accompanied perhaps, by strange and inconceivable forms of animal and vegetable life. At the same time, the carth is winding its way inward towards the sun, and must ultimately fall, an inconsiderable pebble, into the fast glowing mass. The same fate awaits all the planets, and our solar system must one day be but a single gibbe.





### Miscellany.

RHODE ISLANO HORTICULTURAL SOCIETY.-This Society will hold their 23d Summer Exhibition at the City Hall, Providence, on Wednesday and Thursday, June 26th and 27th. The Hall will be open to the public from 2 o'eloek to 10 o'clock p. m., Wednesday, and from 9 o'clock a. m. to 10 o'clock p. m., Thurs-

All persons, whether professional gardeners or amateurs, are invited to offer for exhibition fruits, flowers, plants and vegetables. Music will be furoished each evening by the Ameriean Brass Band. The price of admission will he twenty-five cents for adults and fifteen cents for children under twelve years.

I John A. Smith, Esq., of Waterford sends us a bunch of Victoria Hamhurg grapes, the largest and first we have ever seen. They were grown in his hot-house.

The time for holding the National Horse Fair at Springfield, Mass., is fixed for Angust 27th, 28th and 29th.

### Marriages.

In this town, 11th inst., by Rev. J. Boyden, Mr. George S. Read to Miss Lavilla N. Allen, daughter of the late Amos Allen of Franklin, Mass.

In Central Falls, 4th inst., by the Rev. J. H. Lyon, Charles F, Easton and Laura A Peck, all of Central Falls. In Whitinsville, 8th inst., by Rev. L. F. Clark, John Kemp to Minnie Hardt, botb of Whitinsville, formerly of Prussia. In Snundersville, 6th inst., hy Rev. J. E. Hall, Mr. Esek Saunders to Miss Margle Read, daughter of Mr. Washington Wbite, all of Saundersville,

#### Deaths.

In Smithfield, 5th Inst., Mary M., wife of James Winsor, in the 3th year of her age.

In Pawtucket, 5th Inst., Calch S. Hunt, In the 75th year of his

1n Milford, 5th inst., Mr. Lovell W. Clark, aged 23 years, 27 days; 6th inst., Mrs. Adelade Victoria Warren, aged 27 years.

1n East Douglas, 7th inst., Deacon Warren Hunt, aged 68

In Webster, 27th ult., Nathaulel Hunt, aged 82 years.

### The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending Juoe 14, 1867.]

17(11)11 1 1103-0 0 1 0 1 10 1 10 1		
Hay ∜ ton	Wood 78 cord\$6a9 50 Beans 78 quart15e	
Coal # ton\$10 50a12 50	Potatoes1.10	
Oats & busb\$1 00	Onions1.00	
GROCERIES, &c.		
Flour \$16, 18a19 20	Raisins22a25e	
	Molasses # gal60a95e	
Rve \$1 50	Y. II. Tea\$1 20	
	Black Tea80ca 1 10	
Kcroscne Oll64c	Oil & gal\$1 00	
Cheese 22 th	Fluid # gal \$1 00	
	Candles #1b 25a45c	
	Eggs lb doz30e	
Juva Coffee 28 th 25a50c	Lard 38 lb16ac18	
	Sugar 3 tb14a18e	
MEATS, &c.		
Beef Steak25a30c	Hams16al×c	
Beef, corned12alfc	Poultry20a28c	
Tongues, clear25c	Shoulders	
Mutton12a16c		
Veal16a20c	Tripe12c	
Po-k, fresh	Pork salt. 180	

### BRIGHTON CATTLE MARKET.

June 12, 1867.

At market for the current week: Cattle, 1556: Sheep and Lambs 4498. Swine, 2332. Western cattle, 1338; Eastern eattle, 12; Working oxen and Northern cattle, 200. PRICES. Beef Cattle—Extra, \$15.50@ \$16.00; first quality, \$15.00@ \$15.25; second quality, \$13.70@\$14.75; third quality, \$12.00@\$13.25 \$100 ibs (the total weight of bides, tallow and dressed heef.)

Country Hides. 94@10.22 h. Country British Country Hides.

ressed beef.) Country Hides, 9½@10c 광 tb. Country Tallow 6½@7c 공 tb. Brigbton Hides, 10@11cts. 공 tb; Brighton Tallow, 7½@8½c

Brigoton findes, 10@11cts. \$\pi\$ is fighted failor, \$12\cm 8\pi\$. Brigoton findes, 10\cm 11\cm 15\pi\$ is, \$\pi\$ is, \$15\cm 15\cm 15\cm 15\cm 15\cm 275\$.

Lamb Skins, \$20\cap 22c \cap 15\cm 5\cm 5\cm 26\cm 25\cm 25\cm 25\cm 25\cm 26\cm 25\cm 275\$.

The trade for hides and tallow continues to be very dull.

Working Oxen—Sales at \$175\cm 5\cm 320\cm paper. But a few airs in market. Not an active demand.

Milch Cows—Sales extra at \cap 55\cm 15\cm 15\cm 16\cm 16\cm 36\cm 46\cm 36\cm 16\cm 16 9c. and one lot of 630 Western Sneep at 6%を 形. Swine—Wholesale, 10% all cents 专 b, ; retail, 11@12% ets. 号 lb. Fat Hogs—1800 at market; prices, 7%@8c. per pound.

## WHOLESALE MARKET.

WHOLESALE MARKET.

Nearly all articles of merchandize are lower, and this has given an impulse to trade. Prices of wheat and flour bave declined almost to an exporting point. Flour has been more active and variable at much lower prices. The decline up to Thursday—when a reaction took place, was a dollar and a half to a dollar and three-quarters a barrel. Since then the demand for export and by the trade bas been more active, and there is an upward tendency. The aggregate decline from the highest point of the best quality of flour has been three dollars and a half a barrel.

The Wheatmarket was much depressed, and a panic occurred early in the week, esusing a decline of 20 to 25 cents a bushel on Winter, and 15 to 20 on Spring. At the concession an export demand sprung up, and a firner feeling has since prevaited.

Oats have been pressed on the market, and have sold freely at a decline of about 10 cents a bushel, elosing very lat at \$1.45 to \$1.50 for Western.

Corn bas been offered very freely, and with unfavorable news from Europe, there bas been a decline of from 17 to 20 cents a bushel. The large arrivals at the lake ports, and reported failures at Chiengo, have contributed to the depression. The market closes very flat at the decline, with large arrivals expected.

In Vork there bas been something of a panic, and mess bas declined about a dollar a barrel.

Beef is very scarce, and obolee qualities have advanced.

### Advertisements.

#### Massachusetts.

EXTRA FAMILY COWS FOR SALE.

One Cow 5 years old; color red; blood, Jersey und Durham; new mileh, and now giving over 18 quarts a day; superior for butter; without a fault, and very desirable for a family cow. One Cow 3 years old; color favon and white; nearly full Jersey; handsome and quiet; giving 12 quarts of very rich milk. One caw 3 years old; color brown and white; blood Ayrshire; new milch, good for both quantity and quality.

The above cows are served by pure bred Jersey bull, "Champion 2nd."

ow. Also, a one balf Jersey Helfer, same age, good looking, and

One three-fourths Jersey Helfer Calf; both very handsome

One three-fourths Jersey Heller Call; both vety industrial and well innrked.

Two very high grade Short Horn Helfer Calves; handsomely marked; good symmetry; age six month; from cows giving 18 quaris per day in Whiter.

One very line seven-eighth Jersey Helfer Calf, fawn color, Also, one Helfer Calf, three-fourths Jersey; fawn color, from good dairy stock.

The above stock must be sold on account of contemplated alterations in farm buildings, and will be sold low.

June 15th-1w Squitt Framingham, Mass.

RELIABLE! CHEAPEST!
OON'T PAY \$1. SAVE 50 CENTS.

KINGSLEY'S WONOERFUL HAIR REVIVER

NGES GRAY HAIR. Promotes its growth. Prevents its

A FEW HOME RECOMMENDATIONS. From Proprietor of Payson's Indelible Ink,—"Your Reviver was the Hair an appearance of renewed youth, and leaves leadthy and soft."

authy and soft."
From Prof. Hitoboock, Amherst College.—"I have been tryby your Reviver, and am satisfied that it imparts a dark color From W. B. Welton, Clerk of S. L. Hospital.—"I find it all u claim for it, and would say to all, try it."
From the Springfield Republican.—"One of the best Halr Recors known."

From the Springheid Republican.—"One of the best Hair Revivers known."

Prepared by C. B. KINGSLEY, Northampton, Mass. Sold by Dringdists and Merchants. Price only 50 cents.

GEO. C. GOODWIN & CO., and REED, CUTLER & CO.,
Wholesale Agents, Eostou.

June 15, 1867.

3m-is-23

PSSEX SWINE FOR SALE.
One Boar, 10 months old,
One Boar, 6 months old,
One Sow, 10 month old.
One Sow, 5 months old,
Also, Young Pigs of different ages. The above are all hred from the Tborndalc Stock.
SOUTH FRAMINGHAM, Mass.

1.467
SOUTH FRAMINGHAM, Mass.

June 15th, 1867.

WALUABLE REAL ESTATE AND PERSONAL PROP
VERTY FOR SALE.—The undersigned, having made arrangements to leave town in August next, offers at private sale his will under farm, comprising about 65 acres, situated in East Douglas, Mass. The improvements thereon are a two-story frame I welling House, with Wash House, Mik Shed, Wood House, a Shed 66 feet long, and Workshop attached; a Barn 36 by 50 feet, with cellar underneath, and other necessary outbuildings. The Honse is arranged for two families, and there are Granaries on the second floor of the Sbed. There is running spring water in the kitchen, buttery and wash-room, also on the second floor of the dwelling, and at two places at the barn, heside a well of water near the door. There is a hearing young Orchard on the prentises. The land is conveniently laid out in fields, with good stone walls, and in a high state of cultivation, having been recently heavily manured. It is on the main road leading from East Oouglas to Worces ter, about half a nife from the former place, and convenient to mills, churches, schools, &c.

The above will be sold together, or in part with buildings, to suffer the property, can do so by calling of the undersigned, residing hereon.

The location is one of the most desirable ones in that section of the commity, adjacent to the village, about 30 rods from the lightful view of seenery.

He will also dispose of his personal property, consisting of one extra Cow, 5 years old; a lot of Shoats; a Beach Wagon, nearly new; one light Express Wagon, fron-treed; one light Ox Wagon, Smithfield make; Ox Cart, Plows, Harrows, and a variety of other Farming implements needless to mention.

CHARLES FAIRFIELD.

East Oouglas, Mass., June 7, 1867.

JOUTH DOWN CO.'S PATENT

# ${f SheepWashTobacco}$

TICKS, SCAB, VERMIN AND FOOT ROT

should be used by all Farmers on SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for scars, and never fulls to produce the desired effect when used ceording to directions.

It will not injure the most delicate animal.

It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep.

It cures SCAB on Sheep.
It cures all SKIN OISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT It is a sure cure, used as a poultice.

CE ONE POUNO of this Extract will make TWELVE WEEKLY REVIEW OF THE NEW YORK GALLONS of Wash, and contains the strength of EIGHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

22 Central Wbarf, Boston, Massachusetts. For sale by KENDALL & WHITNEY, Portland, Me.; N. S.

HABLOW, Bangor, Me.; SIMONDS & Co., Fltzwilliam, N. H.

DERKSHIRE SWINE FOR SALE.—Three Sows, 7 months old; three Sows, 5 months old; also, 3 Boars, 6 months old, not akin to the above Sows.
This stock is bred from the best sonrees, and in part from importations a year since from Queen Victoria's pcns, at Windsor, England.
H. G. WHITE, South Framlugbam, Mass.
June 8, 1867.

June 8, 1867.

ADIES, ATTENTION:—A Slik Dress Pattern of a Sewing I Machine sent free, for one or two days' service, in any town or village. Also, a gift sent free, by addressing with stamp, W. FISK & CO., Sewec22 17 State St., Boston, Mass., June 8, 1867.

SUFFOLK SWINE FOR SALE.—One imported BOAR, 2
Syears old, very fine and large, sure slock getter, bred at the
pens of Queen Victoria, Windsor, Eng'and.
One yearling SOW—from parents bred as above—has bred
one and la n good breder and nurse, the and handsome,
SUFFOLK PIGS, 6 and 8 weeks old, matched not akin,
June 8, 1967.

E. BARRETT & CO.,
Proprietors
Proprietors
ARIODE ISLAND AGRICUL
ARE now prepared to
IL. G. WHITE, South Framingham, Mass.
Iw-22

A LDERNEY COWS AND HEIFERS.—The subscriber offers for sale several of his choice berd of Alderneys, comprising Cows in milk and some soon to calve. Also, a few Yearlings served by first-class Bull. I warrant them all.

South Framingham, Mass., June 8, 1867.

3w-we-22

South Framingham, Mass., June 8, 1867. THE INDELIBLE PENCIL CO.

(NORTHAMPTON, MASS.)

MANUFACTURERS OF THE IMPROVED PATENT

INDELIBLE PENCIL

for marking clothing, &c., lowe now ready for sale their new HORTICULTURAL PENCIL.

For writing on wood. Involumble for making durable TRUE and GARDEN TAGS of LABLES, or marking Tools, &c.

PRICES: Horticultural, single, 75 cents; two for \$1.00; per doz. \$5.00. Clotbing Pencil, single, 50 cents; three for \$1.00: per doz. \$3.00. Sent prepald by mail or express on receipt of

A LIBERAL DISCOUNT MADE TO GEALERS.

EVERY PENGIL WARRANTED.

### Connecticut.

THOROUGH-BRED BULLS FOR SALE! The subscriber offers to sell the Thorough-bred Jersey Bull "Matchless," 2 years old. Also the Thorough-bred Devon Bull "Unens," 15 months old. Both Thorough-bred Animals, Full Pedigrees given, Apply to JOHN DIMON, Pomfret, Conn. June 1, 1857.

POULTRY FOR SALE.—The subscriber offers to sell one pair Bremen Geese and one pair Rouen Ducks, warranted pure and as good as any in this country. Also one trio "Jersey Blue" Fowls, excellent byers.

JOHN DIMON, Pomfret, Conn.

3w-we-21

### Rhode Island.

POUTH ANNUAL FAIR OF THE

### NEW ENGLAND AGRICULTURAL SOCIETY.

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GROUNDS OF THE

NARRAGANSETT PARK ASSOCIATION, CRANSTON, near Providence, R. 1.,

On Tuesday, Wednesday, Thursday and Friday, SEPTEMBER 3d, 4th, 5th and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

\$10,000.

Arrangements bave been made with the various Railroad Companies, to run their Cars, containing Stock, &c., directly to the Fair Grounds.

There are ample accommodations within the grounds for Horses and Live Stock, and one of the best Mile Tracks for fast time in the world.

A large number of the most celebrated horses in the country have been promised as competitors for the very liberal premiums that will be offered, and the best breeders of full blood cattle and horses have determined to make this the finest and in New England.

A detailed Programme of Premiums, &c., will be distributed at an early day.

GEO, B. LORING, of Selem, LWILLIAM, CER, 100.

at an early day.

GEO. B. LORINO, of Salem,
President,
DANIEL NEEDHAM, of Boston, Sccretary,
of the N. E. Agricultural Soc'y.

WILLIAM SPRAGUE, of So.
Kingston, R. I., President,
WM. R. STAPLES, of Providence, Secretary,
of the R. I. Society.

THE NARRAGANSETT PARK,

which has been projected and laid out by Col. AMASA SPRAGUE, is an enclosure of about eighty acres of land, beautifully located in CRANSTON, near PROVIDENCE, R. I., and accessible both by Steam and Horse Cars. The grounds are surrounded by a substantial and ornamental fence, twelve feet high.

### THE GRAND STAND

Is unsurpassed in architectural heauty, by any structure for similar purposes. It is about three hundred and fifty feet in length, and contains Drawing Rooms for both Ladies and Genetierner; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Club Rooms; and accommodatioo, UNDER GOVER, for seating over five thousand persons.

THE STABLES.

Forty commodious and airy stables have already been erect-ed, and others, together with good and substactial sheds for all live stock that may be received for exhibition, are in process of completion. WATER.

An ample supply of pure Spring Water will be provided for every department, and the best of bay, grain, &c., for feeding. THE TRACK

bas been constructed on the most improved plans, under the supervision of skilled engineers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best judges to be in all respects superior to any track in the May 17, 1867.

May 17, 1867.

MAUPAY'S SUPERIOR TOMATO SEED can be had of W. E. BARRETT & CO., Feb. 23, 1867.

32 Canal Street, Providence, R. I.

A ORICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer In Agricultural Tools, consisting io part of Conical, Wright's and Oylinder Plows and Castings; Shares's Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Oarden aud Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c, Holder's Block, Main Street.

Woonsocket, R. I.

PERRY'S NEW, FIRST PREMIUM, LOCK HAY CUTTERS, the best in use, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

HUBBARD, BLAKE & CO.'S AXES, now acknowledged the best in market, are for sale in lots or by single dozens, by the Manufacturers' Agenta, W. E. BARRETT & CO., 32 Canal Street, Providence, R. 1.

ROAD SCRAPERS, made of old Car Wheels, for sale by W. E. BARRETT & CO., 32 Canal Street, Providence, R. I.

Proprietors of the

RHODE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take or lers for

100 Kniffins, new, one and two horse Mowing Machines, which are unsurpassed by any in the market, and warranted. 50 Union two horse Mowers, warranted.

10 Perry's new Gold Medal Mowers. 100 Whiteomb's Wheeled Rakes, Improved.

100 Horse Forks, all good kinds.

10 Garfield's new Hay Tedders.

100 Mounted Grindstones

500 doz. Hand Rakes of various kinds.

400 4 Scythes, from the best makers. 200 " Snatbs, new and old patents.

200 " Hay Forks, Batcheller & Sons' make.

100 Revolving Horse Rakes, and all kinds of first class Farming Tools and Seeds. Send in your orders early and they hal be filled promptly.

May 25, 1867.

### Pennsylvania.



NEW CROP, OF OUR OWN GROWTH, WILL BE READY

JULY FIRST.
ROBERT BUIST, Jr.,

SEED AND AGRICULTURAL WARFHOUSE, Nos. 922 & 924 Narket Street, Philadelphia, Pa. June 15th, 1867.

TURNIP SEEO.

10,000 Founds of Imported Swede or Ruta Baga Turnip Seed. 10,000 Founds American Purple Top and White Flat Dutch Turnip Seed.

TO FARMERS,
One, or more pounds, sent by mail, on receipt of 75 cents per pound. For sale at the Seed Store of

C. B. ROGERS,

C. B. ROGERS, No. 123 Market Street, Philadelphia.

June 15th-Im BAROMETERS! BAROMETERS!!! BAROMETERS!!!

TIMBY'S PATENT PORTABLE BAROMETERS, the best in the market, can be sent by express, and bre war-ranted needrate. A few for sale at the office of the FARM ANO FIRESIDE, 402 Locust Street, Philadeiphia. April 6, 1867.

### LEWIS LADOMUS & CO. DIAMOND DEALERS & JEWELERS. WATCHES, JEWELRY & SILVER WARE. WATCHES and JEWELRY REPAIRED.

802 Chestnut St., Phila.

Have always on hand a splendid assortment of Diamonds at less than usual prices.

OOLD ANO SILVER WATCHES,
Of all styles and prices, suitable for Ludles', Gentlemen's and Boy's wear. CT ALL WATCHES WARRANTED.
JEWELRY of the newest and most fushionable designs.
SILVER WARE in great variety; a large stock of Silver Ware made expressly for Bridal Gifts. Pinted Ware of the beat quality. Watches repaired and warranted. Country trade solicited, All orders promptly attended to. Diamonds and all precious stones bought for cash; also gold and silver.

June 15th, 1867. Cm

628.

HOOP SKIRTS.

WM. T. HOPKINS,

628.

Manufacturer of First-Class HOOP SKIRTS, and dealer in NEW YORK AND EASTERN-MAGE SKIRTS. Wholesale and Rebuil at Manufactory, No. 623 ABOU STREET, PHILADELPHIA. May 11, 1867.

### New York.

HICKLINO & CO. S

GREAT SALE OF WATCHES.

On the popular one price plan, giving every patron a handsome nnd reliable watch for the low price of Ten Dollars! Witbout regard to value, and not to be paid for unless perfectly satis-



Bullets for Spelling Books.—A correspondent writing from Mempliis, April 20th, says:—"While I was waiting for the ears in a store in Corinth, Miss., last week, an old gentleman came in and inquired, "Do you have lead?" Receiving an affirmative reply, he said, "My little contrabands have been picking up hullets on the hattle-field and have sent them in by me to huy spelling hooks." One had six pounds, the other ten; they had run them into little hars. To me this little incident seemed very suggestive. After the gentleman left with his spelling hooks, the merchant told me that the man had always been very kind to his "niggers," and that they all stayed with him after their emancipation. The colored school was very prosperous, and the citizens, old or new, on visiting it were enthusiastic in its support."





## Farming Miscellany.

Written for the Farm and Fireside. SMALL FRUITS IN NEW JERSEY.

As there is no subject claiming more attention in agricultural and horticultural communities than the cultivation of small fruits, of the various kiuds, I will write, briefly, of several of them-commencing with them in their order of perfecting fruit.

Strawherries, a delicious fruit that a few years ago were only seen along the road-side, in the pasture or the hill-top, and occasionally iu the gardeu, now occupy a promineut place not only in the amateurs' plot of ground, the poor mau's house-lot, but are raised by the market gardeuer on five, teu, tweuty and even tuirty acres. In different neighborhoods there are different modes of culture; some recommending one way, some another; and what does well in oue locality does not seem to answer for all-the same may be said of varieties. While at Hammouton, Vineland and Burlington they grow Wilson's Albany, almost to the exclusion of all others, at Moorestown, Cinnaminson and other places in West Jersey, they nearly diseard it. Strawherries are grown chiefly in hills—so at Vineland—a mode which I shall not adopt uutil I have more demonstrative proof of its superiority. In the neighborhood of Burlington they plant in rows, five feet apart, and plant early market corn in the same rows. At Ciunaminson and Moorestown the mode of preparing the soil, preparatory to setting out the plants, is as follows: As soon iu the Spring as the ground is in suitable couditiou for working, (never plough or work when too wet) plough dcep; manure broadcast, with well rotted manure; pulverize the soil well hy harrowing; mark the rows from five to six feet deep; plough a shallow "double" iuto the furrow; hy this method you have soft, mellow ground to plant. Avoid ridging, which is injurious, except on low ground. Set the plants with their roots well in the ground, from teu to twenty inches apart, according to varieties plauted. While Wilsou's Alhany will not make beds more than four feet wide when planted ten inches apart, the Downer, Prolific, Ida, French, Cutter and the Agriculturist will apart, and the plants set twenty inches in the

As the ground has been manured broadcast, potatoes of the earlier varieties are planted between the rows. By a slight application of some of the hest fertilizers you may expect cost of mauure and working or cultivating the strawberries, which, if proper culture is given, you will have a well set field, with no cost except the first eost of plants.

In many instances I have known the potatoes to more than pay for all. The potatoes should he dug early, so as to give the ground to the young runuers.

WEST JERSEY.

IMPROVEMENT OF Western Stock.—At the "Turf Congress" held a few days ago at St. Louis, Captain Ford, president of the Laclede Association, made some remarks showing the need for an improvement of the breed of horses iu the West. He said that the war had demonstrated that the western horse was unfit for any military service, and especially for cavalry, the charges of which had proved beyond doubt the immense superiority of southern During the war he had seut to the ken down aud unfit for use. In establishing the Laclede Association, nearly every gentleman in St. Louis had been an ardent and efficient supporter of the movement. Its good effects were already to he seen in the great improvement of stock. But a short time ago it was necessary for the purpose of racing to hriug horses from Cauada. Now this association can run races of their own, and in two years their stables will be stocked with upwards of two hundred of the best hred horses

HALF AN AORE ENOUGH.—A shoemaker over in Jersey hought a half acre lot. He was fond of fruit and read the papers. The soil was wet elay, and he selected fruit suited to the elimate. He huilt a house and put his land in a conditiou to produce fruit. He had uo manure hut the droppings of street cattle. In his leisure, he brought from the woods, bark, rotteu wood, moss, and leaf mould, which he mixed with soil three feet deep. This was done by degrees, and as fast as the ground was prepared he plauted fruit. He hecame so interested and successful that he retired from the cobbler's hench. I was a near neighbor, and knew him intimately. His half acre supported himself and wife comfortably, almost iu elegance.-She had no servant, and had plenty of time to cultivate flowers. Strangers inquired about their beautiful home. Isahella grapes and common currants formed the hulk of his fruit .--With a better selection, his income would have been larger. Others have had the same success on small pieces of ground. One I knew, who supported his family ou one acre. Half was grapes, the crop of which in one season sold for \$800, and he had no labor bills to pay. If eoncentration will give success, let us know it and practice it .- Dr. Peck, in Y. Y. Tri-

STARVATION OF STOCK.—The monthly report of the Department of Agriculture for April says the loss of stock from actual starvation and exposure the past winter has been extraordinary. In Texas the loss has been heavy, one-teuth of the stock dying. In the Territories similar losses are reported. In Nebraska and Arkausas many perished. In Minnesota fodder was short and stock died. It has been a severe winter in all North America, and the aggregate loss of stock from exposure and want of feed is immense. This might have beeu avoided by foresight and industry.

PINE TREE WOOL, -At a factory in Breslau pine-tree wool is now spuu and woveu into a kind of flannel, which is largely used as hlankets in hospitals, harrracks and prisons, in that city and in Vienna, with manifest advantage, pine-wool drives away all disagreeable and noxious insects from the localities in which it make good heds when the rows are six feet is used. It can be used as stuffing for chairs, sofas, and mattresses in the same way as horsehair; and some qualitles are woven iuto a kind of cloth of which garments of many kinds can be made. It is said to he favorable to health as well as to cleauliness, The waste liquor from the pine-vats yields a valuable medicine, and more than half a crop-enough to pay the from the waste fibre gas is manufactured to light the factory.

> Quick Acting Composts.—Materials are within easy reach of most people that, judiciously compounded, will make first rate fertilizers for the garden, for field crops iu the hill, for the lawn or for the top dressing mowing lands or grain. There are some which every one has ou his own place, others he must buy. Almost any man can afford to pay for good hardwood ashes as many eents a bushel as hay is worth dollars a ton. There are other things, like gypsum and lime, that it will always pay to have on hand. Soap suds, chamber lye, and many articles of household waste, are often lost, which might, if collected, make many dollars' worth of rich fertilizers in the course of the year,

SEEDLING AND GRAFTED TREES. -In an account of the farm of W. C. Flagg, of Alton, field one hundred and ninety thousand horses. Ill., published in the Farmer's Advocate, au The greatest part of them, after a service of examination of the apple orchard was made some fifty or ninety days, were seut back bro- after forty years from the date of its planting, the result showing forty per eent. of seedlings and grafted seeds living, there being uo differenee in longevity. Pryer's Red, Kirkbridge White, and Newtown Pippin were the three sorts of which the largest percentage was alive.

> A hogshead of leaf tohacco, raised in Ballard eounty, Kentucky, was sold in Covingtou, a few days since, at \$166 per 100 pounds.

It is said that 400 steam cultivators are at work iu Englaud, displacing 2,500 horses.

## Advertising Department.

### Pennsylvania.

FCONOMY-PROMPTNESS-RELIABILITY!

AMERICAN CONCRETE PAINT AND ROOFING COMPANY

543 North Third Street, Philadelphia. Roofs of every kind covered or repaired thoroughly. All leaks, wet and dampness in roofs, &c., prevented. Iron Fronts, Railings, Posts and Fences long preserved. All work done well, and warranted. The paint is unequalled by anything of the kind now known.

JOSEPH LEEDS, Actuary. EMORY D. HOBART, Superintendent of Work. May 25, 1867.

HARMER'S GRINDSTONES,

OF THE BEST QUALITY;

Ready for use, with self-adjusting Shafts, Treddles, &c. Huron Grindstones, Scythe Stones, &c., for sale hy

J. E. MITCHELL, 310 York Avenue

PHILADELPHIA.

YOUR LIVE sroek



E. N. KELLOGG, President. GEO. D. JEWETT. Vice Pres't 

DISEASES IN THE AMERICAN STABLE, FIELD AND FARM-YARN.
By ROBT. MOCLURE, V. S.

or sale at the office of the FARM AND FIRESIDE, 402 Locus Street, Philadelphia. Price, \$5 by mail, prepaid. March 2, 1867. 84f

DECORA LEAD AND COLOR

No. 150 North 4th Street......PHILADELPHIA, PA.

NO. 150 NOTIN 4th Street, PHILLADELPHIA, FA. Rest PAINT known for Houses, Iron Fronts, Tin Roofs, and Damp Walls, RALLEOAD CARS and BRIDGES.
PECORA HARK COLORS costs ½ less that of lead, and wears longer than lead.
Tho Company's WHITE LEAD is the WHITEST and MOST DURABLE Lead known. Also, VARNISHES and JAPANS.—103 ibs. will paint as much as 250 lbs. of lead, and wear longer. Feb. 23, 1267.

COLLINS, ALBERSON & CO.,

SEED GROWERS AND IMPORTERS Also, Dealers in
HORTICULTURAL IMPLEMENTS PLANTS, TRRES, ROOTS, &O.

We have made arrangements to be constantly supplied, in the scasou, with the Choicest Flowering Plants, Shruhs, Roots, &c. Also, with Fruit and Ornamental Trees.

OUR NEW DESCRIPTIVE CATALOGUE FOR 1867, Designed to furnish directions for the cultivation of the

FARM AND GARDEN,

Hot-Bed Management, &c., sent FREE to all applicants WAREHOUSE, No.'s IIII and III3 Market Street, PHILADELPHIA PA.

STEPHEN G. COLLINS; WILLIAM CHARLES ALDERSON

ROBBET DOWNS. Philadelphia, March 9, 1867.

RHONES' SUPER. PHOSPHATE.

THE STANDARD MANURE

FOR SOLUBLE PHOSPHORIO AOID. VALUABLE FOR

EVERY DESCRIPTION OF CROPS.

Endorsed and recommended by Dr. EVAN PUOH, late President of the Pennsylvania Farm School. The character of this Manure is now so fully established, it is unnecessary to say more than that it is

FULLY UP TO THE STANDARD, IN QUALITY, and is in fine condition for drilling.

Farmers, when purchasing, would do well to get the RHODES' SUPER PHOSPHATE.

YARNALL & TRIMBLE, General Agents for Pennsylvania, New Jersey and Belaware

418 South Wharves, } PHILADELPHIA.

March 23, 1867. 2m-ee-11 Moro Phillips's Genuine improven

SUPER-PHOSPHATE OF LIME. STANDARD GUARANTEED.

For sale at Manufacturer's Repots, No. 27 North Front Street, Philadelphia

AND No. 95 South Street, Baltimore,

And hy Bealers in general throughout the Country. Philadelphia, Fchruary 2d, 1867.

50 PER CENT SAVED BY USING

T. BABBITT'S STAR YEAST POWNER, Light Biscuit, or any kind of Cake may be made with this Yeast Powder, in fifteen minutes. No shortening required when sweet milk is used.

I will such a sample package free by mail, on receipt of fifteen cents to pay postage.

Nos. 64 to 74 Washington street, New York.

HENRY C. KELLOGG, sole Agent for Philadelphia.

March 2, 1887. 3m-pe-8

FAMILY KNITTING MACHINE.

THE MOST USEFUL AND MOST PROFITABLE INVENTION OF THE TIME!

TION OF THE TIME I

THE LAMB KNITTING MAOHINE AGENOY, Philadelphia'
Penn. holds the exclusive right to sell and use this machine for
the following territory, to wit:—all that part of the State of
Pennsylvanua lying east of and including the Counties of Bedford, Blair, Centre, Lycorning and Tioga.

It knits the single, double, plain and fancy-ribbed flat web,
producing all varieties of Fancy Knit Goods in use, such as
Afghans, Shawis, Nubias, Hoods, Sacks, Breakfast Capes,
Jackets, Garthaldies, Sontags, Undersleeves, Children's Cloaks,
Cradle Blankets, Little Boys' Suits, Comforters, Smoking and
Skating Caps, Snow Shoes, Stockings, Leegjus, Neck Ties,
Scarfs, Sashes, Slippers, Suspenders, Purses, Lamp Wicks,
Mats, Tidies, Watch and Curtain Cords, Gloves, Mittens, &c.

OPFIOE AND SALESBOOM,

36 North Eighth St., PHILADELPHA
May 4, 1867.

PERUVIAN GUANO SUBSTITUTE



SUPER-PHOSPHATE OF LIME.

BAUGH & SONS, Sole Proprietors & Manufacturers, RIVER CHEMICAL WORKS, Philadelphia, U. S. A.

FOR WHEAT, RYE, BARLEY, CORN, OATS, POTATOES, TO-DAOOO, BUOKWIIRAT, SORGHUM, TURNIPS, HOPS, GAB-DEN VEGRTABLES, AND EVERY CEOP AND PLANT.

Especially recommended to the growers of

STRAWBERRIES, RASPBERRIES, BLACKBERRIES, AND ALL SMALL FRUITS.

More than 13 years of regular use upon all description of Crops grown in the Middle and Southern States, has given a high degree of popularity to this MANURE, which places its application uow, entirely beyond a mere experiment.

> BAUGH'S RAW BONE SUPER-PHOSPHATE OF LIME!

Is eminently a success as a Substitute for Peruvian Guano and Stable Manure-and is offered to the Agriculturists of the Northern and Eastern States as a fertilizer that will cheaply from it by constant cropping and light manuring.

It is very prompt in its action—is lasting in effect to a degree mattained by any commercial manure in the market and is afforded at a much less cost than BOUGHT Stable Mauure, or Peruvian Guano. The Lahor involved in its use is far less than that of applying stable manure, while there is no risk from the Introduction of noxious weeds.

Farmers are recommended to purchase of the dealer lo-cated in their neighborhood. In sections where no dealer is yet established, the Phosphate may be procured directly from the undersigned. A Friced Circular will he sent to all who ap-

Our NEW PAMPHLET, "How to Maintain the Fertility of Americau Farms.''—90 pages, giving full information in regard to the use of manure, &c., will be furnished gratis on applica-

BAUGH & SONS, Office No. 20 S. Belaware Avenue, PHILADELPHIA.

> BAUGII BROTHERS & CO., General Wholesale Agents,

No. 181 Pearl Street, corner of Cedar, NEW YORK.

GEORGE DUGDALE,

Wholesale Agent for Maryland and Virginia, BALTIMORE.

March 9, 1867.

### New Fersey.

PEMBERTON MARL COMPANY.

This company is now prepared to furnish their GREEN SAND MARL, in quantities of from four tons, (one car load), upwards. And at any point where railroad or water navigation will carry it.

Both practical use and scientific investigation, have proved Marl to he one of the hest and cheapest of fertilizers.

Address all orders to JNO. S. COOK, General Traveling Agent, Mount Holly, New Jersey; or to the Sub-Agent, nearest where parties wish Marl delivered.

Solution to Breek, on application to CASKILL, Supt., Pemherton, New Jersey.

March 9, 1867.

massachusetts.

BY MAIL, PREPAID.

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NEW STEAWERBRIES, GRAPES, CURRANTS, ROSES, BULBS, &c.

B. M. WATSON'S OLD COLONY NURSERY and SEEN ESTABLISHMENT, PLYMOUTH, MASS., is now sending out by mail prepaid, packed with great care in gutta percha silk, so as to reach any part of the Union in perfect safety, a complete assortment of the finest

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### TERMS OF ADVERTISING.

A limited number of advertisements will be published in the FARM AND FIRESIDE. Price, fifteeu cents a line each insertion. Advertisements are set up in a uniform style. The jour nal has won its way to appreciation with remarkable rapidity, and will be found an excellent advertising medium.

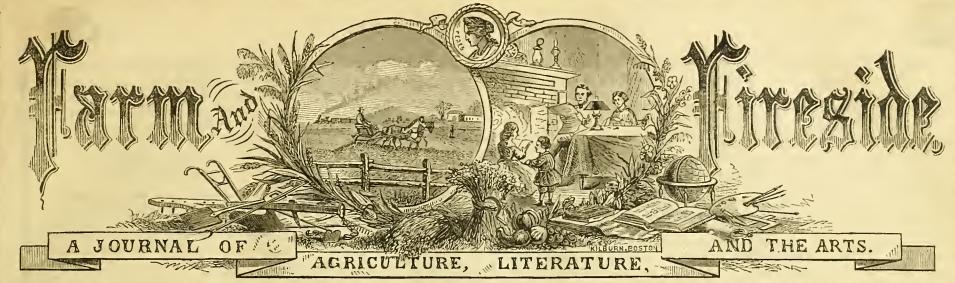
### COMMISSION TO LOCAL AGENTS.

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Hereafter the FARM AND FIRESIDE can be had in Monthly January, February, March and April are now ready. For sale by all newsmen. Bound at the close of the year they will form a neat and attractive volume.





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S. S. FOSS, PUBLISHER, MAIN STREET. TWO DOLLARS PER ANNUM, IN ADVANCE. SINGLE COPY, FIVE CENTS,

VOL. 1.

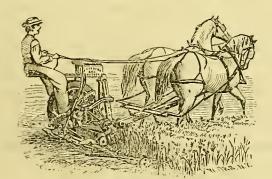
### WOONSOCKET, R. I., SATURDAY, JUNE 22, 1867.

NO. 24.

Written for the Farm and Fireside.

#### FARM IMPLEMENTS.-ARTICLE THIRD.

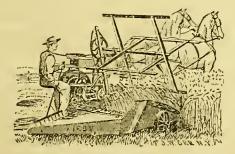
No season brings so much hard labor as haying and harvesting. It comes, too, in the bot, sultry days of mid-Summer; when the human system is generally weakened and debilitated, and when many of us feel more like harvesting our energies, than expending them in mowing, reaping, raking and pitching. But the period of hay-making, and grain-harvesting, cannot be put off to a more "couvenient time;" and if we wish our barns filled, and our granaries replenished, we take off our coats, grind up our seythes, or "rig up" the mowing machines and "go in"—no matter about the hot sun, the long days, the hard work or the memory of olden times when a hottle of rare Jamaica rum, or old apple-jack was hid under the bushes, or fence-corners at the other end of the lot! We farm it on temperance principles now, and don't allow snakes or rehellious drinks to get in, or under our hats. Consequently, our bay and grain are cut and harvested in hetter condition than in "days lang syne."



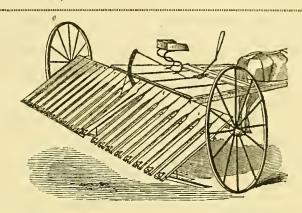
The increase in our crops of hay and grain, and the high price of labor, have made a necessity for improved machinery with which to cut and secure these crops. When we were hoys, there were no such inventions as mowing-machines, nor horse-reapers; all the hay and grain were then cut with hand-scythes, sickles and cradles. Many a day have we sweat and toiled with a dull scythe, (we always hit something about cleven o'clock A. M!) and called to mind Bloomfield's description of haying in "The Farmer's Boy,"—

"Hark! where the sweeping scythe now rips along, Each sturdy mower, emulous and strong, Whose writhing form meridian heat defies, Bends o'er his work, and every sinew tries."

But we hear very little of "the sweeping scythe" now-a-days, except in New England, where the land is rough and rocky, where farms are small, and their owners do not feel warranted in purchasing mowing machines. This is the case with too many New England farmers; yet every Summer witnesses the introduction of horse-mowers among the more energetic class. It is certainly time for all farmers to be relieved from the old drudgery of hard and continual muscular exertion—such as mowing by hand, and cutting grain with the sickle and cradle. Farm implements must keep pace with other departments of mechanical ingenuity; else your boys will get "tired of farming," and try something less laborious and more profitable.

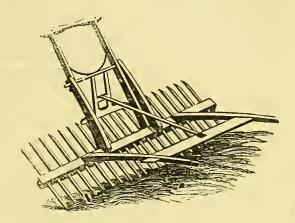


We do not intend to praise any distinctive mowing-machine—there are twenty odd patents—most of them are good machines; one or more of which should he on every farm in the country. With one of these, and a pair of horses, ten acres of heavy grass can he easily cut in a day. This accomplishes the labor of ten men, which at the present price of labor, in haying and harvest time, would amount to \$25 or \$30. The economy of mowing-machines is not their greatest merit; for with their aid grass can be cut more seasonably and expeditiously. What is now wanted, among small farmers, is a one horse mower—we mean one of light draft, that will not over-task the animal. There are numerous "one horse mowers" manufactured, but we have never seen one that is entirely adapted to a single horse. They are all too heavy, and impose a cruel task on ordinary sized horses. The same remarks, almost, may be applied to many of the "combined mowers and reapers." To cut grass, the motion of the knives or sickles, must be greater than to cut grain. If this is applied in the same machine to the long sickle and heavy gearing of a six-feet reaper, the strain on the



machine is very great, and it soon gives out; whereas, in mowing, the gearing is much lighter, and the sickle or knife shorter—generally four feet. At the West, they use six feet combined reapers and mowers, drawn by four horses. We doubt the economy of four-horse machines. To those who can afford it, we advise a mowing-machine per se, and a reaper perfect in itself. Independent, in themselves, they will last longer and be of more profit in the end.

Hand rakes are but little used, for any purpose, except in the Eastern States. The horse rake, of which there are many kinds, is a great help to the farmer. The "steel-tooth," is not used so much as formerly, as it tears up the soil—but is a serviceable machine. The oue here represented is "Delauo's patent," used both for hay and grain. It combines speed in action, with capacity to perform the work effectually. It is adapted to all surfaces, however irregular; passes freely over stones and stumps, gathers the hay in windrows at the will of the operator. It is good on one account—it does not brush off the leaves of clover. The teeth being of wood pass lightly over the surface, not scratching up the roots of the grass like the steel-tooth machines. Held down by its own weight alone, each tooth acts entirely independent, rising or falling without at all impeding or interfering with the action of the others. The driver has a comfortable seat, and with a lever has perfect control of the operations of the machine. The teeth being attached to the axle, it acts freely, and the lahor of discharging the load is performed by the horse.



A revolving rake is much used—like the one represented above—and for cheapness and durability it is a favorite with many farmers. The advantage of horse-rakes, is not alone in raking the hay into windrows—hay can he "hunched up," from the windrows, a great saving of hard labor, as with these unachines, the windrows are thrown or raked into heaps, of eighty to one hundred pounds, ready to be placed in cocks, or loaded on the cart or wagon.

The eutting of grass with mowers, and grain with reapers, began some five-and-twenty years ago. The machines of to-day, are vastly superior to those first introduced. The improvements in mowers are not so marked as that of reapers. While mowing machines are nearly of the same pattern as when originally manufactured, the reapers or harvesters are quite different. The first harvester we remember to have seen, drew the heads of the grain within a cylinder filled with teeth, so as to thresh it as the machine moved forward. This was found to waste the grain—hence it was abandoned. "Self-rakers" have been added to the reapers, and even "binders" are in use at the West, where grain crops are the chief reliance of the farmer.

We might eoutinue this article to a great length—to the size of an octavo volume—and give an account of threshing machines, horse hay-forks, and other inventions to ameliorate the labors of agriculture. They all indicate the progress of that great art, which has been the eivilizer of the world. The noblest lessons of history are written on our harvest fields—on the green meadows undulating with fragrant clover, red-top and timothy; on the level plains and sloping hill-sides golden with rye, barley and wheat—the staff of life to the great family of mau.



The Farm and Fireside 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 Puhlisher 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 offensive to good morals. In all its columns this journal will advocate the hest interest of the farm and fireside. Terms—\$2.00 per year, in advance. Single copy 5 cents.





### The Field.

### THE PROPER TIME TO CUT WHEAT.

Written for the Farm and Fireside, BY THOMAS J. EDGE, LONDONGROVE, PA.

Many are of the opinion that the only loss which the farmer 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 time 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 growth, 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 that 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. Experiment 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 Yorkshire, 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. The second sample, cut ten days before fully ripe, gave of flour seventy-nine; middlings five aud a half, and bran thirteen per cent. The third sample, cut when ripe, gave of flour seventytwo per cent., middlings seven per cent., and 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 hundred and twenty, and two hundred and nine:-the largest amount being in favor of the plot cut ten days before fully ripe; but the plot cut first gave the least weight of grain.

From this 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 one 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, the miller could better afford to grind the former for nothing, than the latter for the

While my experience will not warrant mc in going as far as our English farmer, just quoted, I must say that there is enough to be gained to make the matter worthy of the attention of every practical farmer, and I bave seen of putting the crop into the barn.

summary of the benefits to be derived from three and one-half per ccnt.; in weight of lord than broad sweeps of arable land." straw, five per cent. In addition to this we have straw which for feeding purposes is better, and have chaff fully twenty-five per cent. better for mixed feed for working horses or

cut green must remain longer in the field before being removed to the barn, in order that 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 expeuse, and will leave the increased value of tbe grain for profit.

It is an accepted rule among 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 demonstrated that the 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 arc ripe, and the ripening is just show ing itself above the second joint or knob.

In former times, when the sickle or cradle 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 weather at the proper time for cutting; this we are always liable to, and have no remedy for but to 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 rule to cut as soon as it is safe to do so; being of the opinion that our only chance is to get the grain bardened as soon as possible. Last harvest a viuce me that by cutting early I saved at least five pounds per bushel on the plot experimented on.

June, 1867.

#### AVERAGE CROP OF CEREALS IN ENGLAND.

The Mark Lane Express publishes the following estimate of the average yearly crops cereals in England for the past years:

"Rather more than three millions of acres total yield of wheat, therefore, has averaged ment for five days: eleven million six hundred and fifty-eight thousand quarters. Nearly two million acres arc sown with barley, averaging thirty-seven and three-quarter bushels each; total average yield, nearly nine million quarters. A millon and a balf acres are sown with oats, producing fortysix and a half bushels each; total average yield, same as barley. Half a million acres are devoted to the production of beans, and nearly as many to peas, producing on an average nearly two million quarters of beans, and a million odd quarters of peas. The average crop of wheat in the whole United Kingdom is probably about sixteen million quarters annually; but, reckoning the consumption of each individual at a sack of flour a year, tweuty-two million and a half quarters of wheat are needed for the supply of our thirty millions of people, leaving six or seveu millions of quarters to be supplied by importation."

The closing remark of the Express is eminently deserving of attention by the farmers of the West, both as an inducement to the more extensive growth of wheat and as an important bint in economies for future consideration iu the management of their prairie farms:

"There is reason to believe that the breadth cases where I am satisfied that enough was of land devoted to wheat culture is decreasing and the sheep apparently well. lost by over ripeniug to pay the whole expense in England year by year; and so it should. Our agriculturists ought to devote themselves From the results of a large number of care- more to the production of stock. The land in ful experiments, I deduce the following as a the midlands and west of Eugland is properly pasturage; and a deficiency of corn cau be cutting wheat from ten to fourteen days before much more easily and satisfactorily supplied fully ripe-viz: gain in weight of gross pro- from abroad than a deficiency of meat. Small duce, thirteen per cent.; in quality and value, pasture farms yield more per acre to the land-

of the Tribune, says: "Clover is to farming &c.,) and changes of climate. The invariable one to four, mixed and applied to the sore, As a drawback to early cutting we must take the whole list of manures and good works, also his opinion that the vegetable kingdom is ed, and rub in well twice or three times, and into consideration the fact that the grain being but must come to clover and faith at last."

## The Stock-Yard.

### DISEASES OF SHEEP.

THE following communication from Hon. straw alone will pay for this extra trouble or Elisha Dyer, of Rhode Island, appears in the Rutland (Vt.) Herald:

> PROVIDENCE, May 1st, 1867. My attention was attracted by the following 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 Spring has been as cold and unpropitious as ours, I do not wonder at the ill-condition of the lambs. As to the rot, I feel it an imperative duty to communicate to your sheep raisers, the accompanying statement of an interesting series of experiments and remedies, made by one of the most scientific and skillful English physicians I ever had the pleasure of being acquainted with, a gentleman of a thoroughly analytical mind, and philanthropic impulses. 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 1865, while with my family, (we were for several months also resideuts of Hambourg), was as follows, viz:

Among the great variety of subjects connected with the agricultural pursuits and prosperity of England my attention has beeu directed to the cause aud cure of the "foot-rot" in sheep. limited experiment of my own tended to con- More than one thousand of these animals have been examined at the butchers' shambles, and in every case the mucous membrane was found to be inflamed, and with suppuration, the lining sloughing off. The liver was full of the animalculae called "flukes," and the feet in a most decayed condition. Twenty-two of the most diseased sheep were purchased by my brother, (who is a landed proprietor) iu Lincolnshire for a half crown each, (fifty cents) so thoroughly valueless were they from disease, and brought to me for treatment. I had preare sown with wheat—the average yield of pared several pens, clean and dry, and subwheat per acre is twenty-nine bushels; and the jected them in rotation, to the following treat-

> In pen No. 1, the sheep were first placed, fed with oatmeal gruel with strong solutious of common 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 removed to

> Pen No. 2, where they were fed with 'steamed oats," soaked in a strong solution of salt and water, aud allowed to drink freely of linseed tea with limewater. The evacuations were of the same character but much less iu quantity and of a mitigated appearance. The next day the same animals were removed to

> Pen No. 3, and were there fed upon 'steamed barley" as being more untritious, with the same solutions of salt and limewater. The animals were fast improving, as the evacuations were of a decidedly improved

In Pen No. 4. For the fourth day's treatment, dry barley, soaked in salt and lime water, was given. The "flukes" had all disappeared and the sheep were in a greatly improved condition.

In pen No. 5. The last day's treatment was

The experiments were made with five sheep at a time. The peus built on a side hill for dryness, thoroughly cleansed each day, and the animals' feet washed daily in cold water.

In a few weeks they all recovered, and were in such condition that they sold £1.10 to £1.15 per head (\$7.50 to \$8.75.)

It is the opinion of this gentleman, that the cattle plague, cholera in swine and the greatest portion of the disease to which animals are lia-Solon Robinson, in the agricultural columns be ble is attributable to improper food, (as grasses, what faith is to religion. One may go through antidotes and remedies are lime and salt. It is will prove effectual. Apply to the parts affectas prolific of disease as the animal, which a cure will be the result.

could 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 development. He would here, as before, use lime and salt as the remedies.

#### 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 generally provide themselves 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 the necessary corrections. A little powdered chalk mixed with the food is recommended for this purpose, or almost any alkaline substance occasionally added, will answer the purpose.

The bog having a very thick skin, it is liable to become feverish and diseased by the closing of the pores, and this produces other diseases. Sulpbur tends to cool and purify the blood and keep open the pores of the skin, and should frequently be given. When the skin is dry and feverish, and sulphur does not afford relief, a little antimony (white powder) will generally prove effectual. When running at large, the hog will frequently be seen helping himself to charcoal. When confined in a pen, a separate box or trough should be kept supplied with coal ashes and salt. The 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. When he wallows in the wire it is to relieve a fevered, uucomfortable condition of the skiu, resulting 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 confined, his master should endeavor to learu what he wants from his own mouth.

### HIS COWS ALWAYS DO WELL.

In a letter to the New York Farmers' Club, Mr. J. L. Humphrey of New Bedford, gives the following account of the management by which his cows are exempt from caked bag, and other diseases which afflict many dairies:-

I never have any trouble iu that direction, no matter how fat the cow may be at the time of calving. I keep 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-generally oats aud corn mixed, with the addition of roots during the Winter-so that my cows, though they may milk down thin during the first six or eight mouths, will always come up again in flesh before I dry them off. I never let them go dry less than two months; three is better if it occurs in Summer, and I always take away the grain as soon as they are dry, and sometimes before, if too much inclined to milk. For two or three weeks before calving I keep them ou a spare but laxative diet-if in with the same dry food as before, with short Winter, early cut hay or corn fodder and hay grasses, and drink of the lime and salt water. with a few roots, but no straw. After calving, give one pound of Epsom salts, and a few bours after a warm bran mash-scalding the bran with boiling water-commencing to feed a little hay in twelve hours from calving, and gradually increasing to full feed after two or three days. Since 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-Rot in Cows.—Au ointment made of lard and red precipitate, in the proportion of



Ninever was fourteen miles long, and forty-six miles round, with a wall one hundred feet high, and thick enough for three chariots abreast. Babylon was fifty miles within the walls, which were seventy-five feet thick and one hundred feet high, 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 the pyramids was four bundred and eighty-one feet in height and eight hundred and fifty-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 chambers and twolve helps. bers and twelve halls.





#### THERE IS NO DEATH.

There is no death! The stars go down To rise upon some fairer shore: And bright la Heaven's jeweled crown They shine forever more.

Shall change beneath the Summer showers To golden graia or mellow fruit, Or rainbow-tinted flowers.

To feed the hungry moss they bear, The fairest leaves drink daily life From out the viewless air.

There is no death! the leaves may fall, The flowers may fade and pass away-They only wait through Wintry hours The coming of the May.

There is no death! As angel form Walks o'er the earth with slient tread, He bears our best loved things away, And then we call them "dead."

He leaves our hearts all desolate-He plucks our fairest, sweetest flowers, Transplanted late bliss they now Adorn immertal bowers.

The bird-like volce, whose joyous tones Made glad this scene of sin and strife Sings now in everlasting soag Amid the trees of life.

And where he sees a smile too bright Or heart too pure for taint or vice, He bears it to that world of Light To dwell in Paradisc.

They leave us but to come again: With joy we welcome them-the same Except in sin aad pain.

The dear immortal spirits tread; For all the boundless Universe 1s life—there is no death!

### General Miscellany.

#### FARMERS' WIVES.

THOMAS LACKLAND, in his new work entitled "Homespun; or Five-aud-twenty Years Ago," gives the following pen-sketch of Farmers'

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 hear the talk of the Arcadian life such a sister must him and another fellow, the night previous, lead, away from large towns and their frivolous influences-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, besides performing various other chores not altogether in harmony with her feminine nature. Theu, again, the same tasks, always hard, follow one another iu a continuous round from morning till night, oue day upon another; and she must be different from the rest of her sex who can help offering silent 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 fresh 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 anxious, care-woru countenances, as if all the interests of the farm devolved—as they often do-npon themselves. In a good many cases have it.' they are a deal "smarter" than the men, and the management out of their hands. They can reckon up the cost and value of a liog or a "eritter," without even going near the butt a dent in 'um?" 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 I'se a comin' myself-I is." are asked by a travelling drover what they will take for such or such a "heef critter" they will show in a moment their disinclination (if ting "mother,"

In this, among other ways, the woman in the country becomes gradually unfemininewhich so charmingly sets off female character, eyes were visible. From the center of it come from California this year.

farm life; and, in the lapse of time, uneonsciously parts with some of those attractive qualities which should be found as elements in the charaeter of every loveable female.

#### HOW OLD JAKE WON THE CHEESE.

Some years since I was employed as warehouse clerk in a large shipping house in New Orleans, and while in that capacity, the following funny 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 them had become damaged by bilge water, (the ship having proved leaky,) consequently the owners refused to receive them; they were therefore sent to the consignces of the ship, to be stowed until the case could be adjusted. I discovered a few days afterwards, that as to perfume they were decidedly too fragrant to remain in the warehouse in the middle of June, and reported the same to my employers, from whom I received orders to have them overhauled, and send all that were passable to Beard & Calhoun's auction mart, (then in the old Camp street Theater), to be disposed of for the henefit of the underwriters, and 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 niggers and strong cheese, on a hot June day, just haugs all commou essences, including a certain "varmint" we read about.

Presently the boys turned out an immense fellow, about three feet six inches "across the stump," from which the box had rotted; in the center a space about ten inches was very much decayed, and appeared to be about the consistency 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 sale) from Charleston, South Carolina, who was notorious for his butting propensities, haviug given most of the niggers in that vicinity a taste of his quality in that line. I had seen practicing; they would stand, one on each side of a hydrant, some ten yards distant, and run at each other with their heads iowered, and elapping their hands npon the hydrant they would hutt like veteran rams. A thought struck me that I might cure him of his braggiug and butting, and at the same time have some fun, so I told the boys to keep dark, and called "Old Jake" over.

"They tell me you are a great fellow for butting, Jake.'

"I is some, Massa, dat a fae-I done butt de wool 'tirely orf ob old Peter's head lass night, and Massa Nichols was gwiue to gib me goss! I kin jiss bang de head orf auy nigger in dese parts, mysclf-I kin!"

"Well, Jake, I've 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-

"Well, you see that large eheese back there?"

"I dus dat! I dus myself." "Now if you can butt a dent in it you shall

"Golly, Massa! you foolin' dis nigger?"

"No. I'm not. Jake-just try me

"Wot! you gib me hull of dat cheese if I

"Yes."

"De Lor! I'll bust 'em wide open, I will myself. Jess stand back dar, you Orleans niggers, and clear de track for Ole Souf Carlina, 'case

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 not their inability) to sell without first consul- grash, and Old Jake's head disappeared from side, as he rose with his new fashioned neck- sufficient to make one eivil. lace, the soft rotten cheese oozing down all loses a certain degree of that bloomy freshness around him, as it settled down, so that just his

mixes in with the roughness, and hardness, and Jake's voice was searcely audible and half drudgery, and even the dirt of farm work and smothered, as he vainly tried to remove the immense cheese.

> "O-o-o-o! er de Lor! Mass—took 'um orf. O-o-o-o! bress de Lor! Lif 'um up! Gor-amighty! I-

> Meanwhile I was nearly dead, myself, having laid back on a cotton bale holding myself together to keep from bursting, while the boys stood round Old Jake, paying him off,

> "De Lor! how de nigger's bref smell! You doesn't clean your teef, Old Jake!"

> "I say, you didn't make more dun four times dat han, did you, old hoss?"

"Well, you is a nasty nigger dat a fae!"

"Well, you is de biggest kine of Welsh Rabbit—you is!"

"Whar you git you bar greese?"

And thus the boys run Old Jake-now half smothered—when I took eompassion ou him and told them to take it off. Jake didu't stay to elaim his prize, but put out growling.

"Gor-a-mighty! I done got sole dat time. I'se a case ob yellow feber—I is, myself'!"

Old Jake was never known to do any more butting in that viciuity after that.

BOYHOOD'S PLEASURES AND PENALTIES, -A youngster came home after having a glorious time in the puddles, his face all aglow and his boots full of water. The punishment of staying in the house for the remainder of the day did not seem very hard; but as his evenly, will, in most soils, be amply sufficient. little heart warmed up with the recollection of the triumphs of the morning, when he had ing land of weeds, and also for preparing the waded deeper than any of his playmates dared to, he could bear the restraint no longer, and went to bis mother, saying: "Please, mother, whip me, and let me go out again!" Human nature could not resist such an appeal, and though the mother's heart had some misgivings as to the propriety of indulging her sou, he was allowed his liberty, and received a caress iustead of a flogging. Boys are boys the world over, and take to vices with more gusto than is commendable, as the following evidences:

"Charlie, my dear," said a loving mother to a hopeful son, just hudded into breeches, "Charlie, my dear, come here and get some caudy." "I guess I won't miud it now, mother," replied Charlie, "I've got in some to-

A Beautiful Thought.-I was reading the other day, that on the shores of the Adriatic Sea the wives of the fishermen, whose husbauds have gone far off upon the deep, are in the habit, at eventide, of going down to the seashore, and singing, as female voices only ean, the first stanza of a beautiful hymn; after they have sung it they will listen till they hear, borne by the wind across the desert sea, the second stanza sung by their gallaut husbands, as they are tossed by the gale upon the waves, and both are happy. Perhaps, if we listen, we, too, might hear on this desert world of ours some whisper borne from afar, to remiud us that there is a heaven and a home; and when we sing the hymn upon the shores of earth, perhaps we shall hear its echo breaking in the music upon the sands of time, aud cheering the hearts of those that are pilgrims and strangers, and look for a city that hath foundation. - Dr. John Cummings.

band from down South was lately inspecting a buckwheat cakes are extensively patronized in horse power in operation, when he broke out city and country. If the hull or outer coverthus: "Mister, I have seen heaps of things in jug is removed or shelled off before grinding, my life, but I uever saw anything whar a horse the flour is as white and delicate in appearance could do his own work and ride hisself, too."

A LITTLE GIRL, recently called as a witness in a police court, being asked "what becomes of little girls who tell falsehoods," innocently replied that they were "sent to bed."

Quilp thinks it rather remarkable that while several thousand feet are required to make one sight, with the top just visible on the other rood, a single foot, properly applied, is often a target for his squibs. We subjoin one that

Eight million dollars worth of flour have

#### BUCKWHEAT.

The season has been so unfavorable for preparing the soil for Spring crops that much land still remains unoccupied, the soil being too wet for the reception of the seed. When the season becomes too far advanced for sowing or planting cereals or forage crops, buckwheat is generally brought into requisition, being well adapted for a late crop. This crop generally sueeceds better when sown late than early, being liable to be damaged by the intense heat of Summer when sown early. It succeeds better when sown about the end of June or the beginning of July than at an earlier period. It is sometimes sown late in July, and if the Fall is favorable, the crop turns out well.

Buckwheat is not only valuable as a breadstuff, but it is of great importance for feeding the domestic animals-sheep particularly. In Pennsylvania and New York it is extensively used for fattening sheep in Winter, and it has been found so well adapted for this purpose that the crop increased enormously since 1850, the returns standing as follows:

It is probable that from 1860 to the present year the increase has been in proportion to that of the last decade.

The quantity of seed sown is generally about a bushel per acre, but half a bushel spread It is sown sometimes for the purpose of clearsoil for other crops. It is frequently sown for the purpose of being plowed in as a green manure for the wheat crop. Though not equal to clover, it is yet beneficial to lauds deficient iu organic matter. It should be plowed under when beginning to blossour.

Light soils are supposed to be best adapted for this grain, but it does well on any except the heaviest. The plowing and harrowing of the laud in midsummer, when the weeds are in full growth, and the exposure of their stems and roots to the sun, have probably as powerful an effect in cleaning the land, as the overshadowing foliage of the buckwheat plant, although the latter generally gets credit for all the good that is doue.

The nnground grain and the fresh straw have an extraordinary effect upon swine. If allowed to feed in a recently-harvested buckwheat field, their heads and cars are attacked with an eruption, accompanied by inteuse itching, while the animals exhibit all the symptoms of intoxication. In some cases death ensues, in others the animals recover. When the grain is fed whole, in large quantities, the husks are passed by the animals undigested, and their bowels become disordered. But if ground and cooked, the mush has no bad effeet, and is very good fattening food. Some farmers grind buckwheat and oats together as food for horses, and find the mixture to be very

The acreable produce of this erop varies from 10 to 40 bushels per acre, 20 being about the average. The produce depends greatly on the 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 48

When wheat flour is scarce and dear, that Business and Pleasure. - A stray contra- of buckwheat is a valuable substitute, and as that of rye. There is a striking identity betweeu the composition of the grain of buckwheat and rye; also in the constitution of the ashes when both plants have been grown on the same quality of soil. - Western Rural,

> EPIGRAMIC.—Every erusty old baehellor avails himselt of the right to make the fair sex is new to us:

Men dying, make their wills, but wives Escape a work so sad; Why should they make what all their lives The gentic dames have had?



Sheep Shearing by Machinery.—The difficulty of clipping the wool from the loose, uneven and moving surface of a live sheep's hide, even by the use of hand shears, has induced a very general opinion that this laborious part of the wool-grower's business can never be done by machinery. Neither do we see exactly how a machine can take off the jacket and the fashiouable neck gearing of an American Merino, but Dr. Boynton tells us that he has seen it done. The machine is the invention of Mr. R. T. Smith, Nashua, N. H., and though it is not yet perfected, the Dr. expresses himself highly pleased with its operation at the two trials that he bas witnessed the present season. He saw it take the wool from the neek of as wrinkly a buck as is generalty found in any flock of Merinos, making hardly a scratch. He predicts for it perfect success.





### Field and Farm.

Written for the Farm and Fireside, CELERY.-APIUM GRAVEOLENS.

CELERY is a plant much 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, which, after being hlanched by covering with earth, become tender, mild and spicy, and an agreeable and very popular salad for Winter use throughout the country. In the common mode of cultivating this vegetable very much useless labor is expended, and too generally with unsatisfactory results. Most eultivators make it an essential in growing this crop to dig out trenches, enrich tbe under soil and set tbe plants in the bottom of these trenches; all this labor of digging 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 iu 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 the open ground as soon in the Spring us 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 the 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 less relished and saleable, when grown for sale.

Varieties.—Catalogues of seedsmen give us a list of some fifteen or more varieties, each with some special quality claimed as a recommendation; some of these are described as large growing, others medium to dwarf, &e. For all purposes we have found that some of the dwarf varieties are the most valuable, as occupying less space than the mammoth, and at the same time furnishing an edihle heart equal to the large, the extra growth being 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 desirable dwarf varieties I would name Incomparable Dwarf, Dwarf Red, similar to tbe last in all respects, except color; Boston Market, a rather more robust variety than the Incomparable. 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 further information to them. Washhurn, Bliss, and some others give us very exteuded catalogues as well as many valuable hints for the Flower and Kitchen garden, with description of growth and qualities of vegetables, &c.

Culture.-First, in regard to soil, it should be such as is not subject to droutb in common seasons. The seed-bed should be rich aud mellow, free from stones, sticks or other like objections, and specially prepared by thorough fined, partly decayed stable manure; that which has been prepared and kept under eover is the the seed is sowu roll the bed with a garden roll, or spat it even, to bave a smooth compact surface; give all the after cultivation necessary to keep perfectly clear of weeds, and stir the soil to keep the plants healthy and growing. once or twice previous to transplanting. The ground for transplanting into should be rich, freshly prepared and well worked. Lay off the rows three feet apart for the dwarf varieties, having the surface as uear level as practicable, with a convenient marker, and set the plants six inches apart along the rows.

in transplanting, in having it done well, so that it is as nice and green as green tea. I think it grown large crops by pursuing the following the roots are properly inserted in the soil and worth for milch cows and sheep as much per method of culture: On land which was plowed well firmed, so that they, the roots, may take tou as English hay. And still another: "I to the Fall, plow again deeply, about the midbold at once, and the plant not suffer from have found no better hay for farm stock than dle of May. Then, about the first of June, long wilting or drouth. Moist or damp weather good clover, cut in season. For milch cows it is hes! for transplanting, and July is the best is much better than timothy. The rowen time, unless an early crop is desired, when it crop is better than any other for calves."—Flint may be done earlier, but often that set in July on Grasses. will catch up aud mature as early as that set three or four weeks earlier. Give sufficient cultivation with the eultivator or hoe, or both, to keep the soil loose, free of weeds, and the plants well growing. Ahout the middle or 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 to keep the stems together, so that no soil will get into the eenter to injure the plant. This earthing up is done from time to time as the plants grow, the dirt being taken from between the rows and hauled each way against the plants; the last, or finishing earthing is done with the spade, banking clear to the top of the plants. Four or five weeks are needed to thoroughly hlanch the stems so as to give the crisp tender quality so desirable in a good article. The earthing up should always be done when the plants are free from wet of dew or

My Riverdale Farm, June, 1867.

#### ON CUTTING GRASS FOR HAY.

Grass cut in the blossom will make more milk than if allowed to stand later. Cut a little hefore 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 somewhat green, and properly cured, is next to fresh greeu grass in palatable and nutritive qualities, and so a sensible and praetical farmer writes me: "The time of cutting grass depends upon the use we wish to make of it. If for working oxen and horses, I would let it stand till a little out of the hlossom; but if to feed out to new milch eows in the Winter, I 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 rowen, which is generally eut before it blossoms.

No operation on the farm is of greater importance to the dairyman than the cutting of his grass and the manner of curing hay, and in this respect the practice over the country generally is susceptible of very great improvement. Tbc chief object is to preserve the sweetness and succuleuce of grass in its natural state, so far as it is possible; and this object cannot be gained hy exposing it too long to the scorching suns and the drenching rains to which we are liable in this elimate. We generally try to make our hay too much.

As to the best modes of curing clover, my own experience and observation accord with that of several practical farmers who write me as follows: "My metbod of curing clover is this: What is mown in the morning I leave in the swath, to be turned over early in the afterwarm, I put it into small cocks with a fork, and, if the weather is favorable, it may be extent with the steel toothed garden rake and heing turned over on the morning of the day it very nutritious. make it level; sow the seed thinly, quite so, is to be carted. By so doing, all the heads in rows 8 to 10 inches apart; the beds should and leaves are saved, and these are worth more make them 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 We have found that much stronger roots are mow it after the dew is off, and cock it up after produced if the plants are sheared, or topped, 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 antowards night of the same day I take forks and pitch it into cocks and let it stand till it

Much depends upon the care and skill used the mow with all the leaves and heads on, and of 600 to 800 bushels per aere. We have

### IS IT PROFITABLE TO GROW ROOT CROPS

Since labor has become so expensive, many of our farmers question whether there is much or any profit in growing root crops. Their cultivation makes a heavy draft upon the The carrot makes a superior feed for horses, in working capital of the farmer, and hence the culture of roots has never been so popular in per bushel, carrots will pay as a horse feed. this country as among European nations where lahor is cheaper.

With labor at \$30 per month and board, it may not be advisable to enter into extensive culture of roots for cattle feeding. Still, roots may be grown on a moderate scale with most farmers, and be made to pay in various ways.

Perhaps the least expensive root grown is time than other roots, and hence is often raised on this account are often more valuable than successfully as a second crop with corn, or grains. - Utica Herald. after peas or early potatoes.

When the erop is to be grown with corn it is 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 detriment to the corn, as their growth 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 crop except in the harvesting. They make a good Fall feed when grass begins to fail, or may be fed to good advantage in early Winter. Crops of from 300 to 400 bushels per acre are often raised in this way, and are regarded by many as quite equal in value to au average crop of corn. When fed to milch cows they make a large quantity of milk, but they do not keep so well as other roots, and should he fed out in the early part of Winter. This, of course, renders them less valuable 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 England they are stored in long heaps, covered with straw and earth.

When cattle are kept ou the soiling system, that may be used early in Spring, before the requires a rich, deep soil, and heavy manuring. They are sown in drills, wide enough apart to admit of being cultivated with a horse hoe. The yellow globe mangold, with good cultivation, gives immense crops, and for cattle feeding is believed to be one of tbc most profitable roots to be grown in this country. deep pulverizing of the soil and mixing in well noon. At about four o'clock, or while it is still The mangold is not so well adapted to feeding in early Winter as the turnip and carrot, as they are apt to scour the cows. When

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, out, making the early weeding tedious.

tbe crop can he made to pay with us, even

cart on a good coat of well rotted manure, spread and plow in. Plow again 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 inches apart, and the after culture may be done with the horse hoe. connection with oats, and with oats at 80 cents

With rather a doubtful prospect for the Spring grain crops, on account of the cold, wet, hackward Summer, we believe that farmers will make a good investment hy growing a crop of roots to meet the requirements of their stock. They afford food peculiarly suited to the constitution and hahits of neat stock and promote their health. They serve to make the flat turnip. It comes to maturity in less up a variety of food which animals need, and

#### CUTTING HAY EARLY.

It is now better understood than formerly that some kinds of hay should be cut early, especially for cows. But in the declaration of new doctrines we are disposed to go to the extreme. Because some grass cut in June or early July makes better hay, it is not to he assumed 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 of hay, though cut late in August. This is the case with much of the bottom lands, or river meadows, where the grass does not attain half its growth by the fourth of July, aud, if cut so early, would want its superior quality. It dries up rapidly, the juices being only partially developed, and it lacks nutriment. Any oue who has had occasiou to mow a strip of such grass in the early part of July and to cut the grass adjoining this strip four weeks later, brittle and were highly relished by stock. Iu 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, where the grass is mangolds can be grown to good purpose, since of slow growth and late, and where the quality a quantity of succulent food can be stored up of it for hay improves nearly as long as it continues to grow, retaining its good color and usual forage crops are ready. The mangold rich aroma quite late iu the season. In seasons of low temperature, such meadows will furnish an excellent quality of hay, cut as late as the first of September.—Country Gentleman.

A VALUABLE MILK FARM. -Mr. Ross Winans of Baltimore, now over seventy years of age, purchased in 1861, a farm of ahout seven hundred acres, along the banks of the Patapsco river, and about six miles from Baltimore. best; fine the surface to the greatest possible housed on the fourth or fifth day, the coeks kept later, they mature and ripen, and are then His land cost him \$50,000; he added buildings at a cost of \$20,000; his fencing cost him Carrots make most excellent food for all \$3,000, and he manured at an outlay of \$67,kinds stock, but they are more difficult, or 000—making the total cost of his estate \$120,be of convenient width to weed haudy; after than the stems. This has been my method for at least more expensive to grow, than either 000. During the year ending on the first of the last ten years. For new milch cows in the the turnip or mangold. They succeed well on May last, his sales of milk amounted to \$37,-Winter I think there is nothing better. It will a deep clay loam. They are of exceedingly 630,71; of cows and calves, in the same period, he sold \$11,986 worth, and had fifteen or twenty more animals on hand than at the eommencement of the year. He however purbefore the rows of carrots can be well marked chased \$9,098 worth of cows and heifers during the year. At the close of the year he had On very weedy lands it is a question whether on hand two hundred and tweuty tons of hay, and his total product of hay for the year was other: "I mow my clover in the forenoon, and when labor is cheap, but upon land which has estimated at eighteen hundred tons—a great been for two years in hoed crops, with good average per acre. His system of manuring culture and all weeds kept down, many farm- tends to build up and nourish his land, and not cures. The day I cart it, I turn the cocks over, ers contend they may be grown at a good to impoverish it. His milk is sold to the small so as to air the lower part. I then put it into profit now. They will often yield at the rate grocers in Baltimore, at thirty cents a gallon.



Inflammation of the Udder.—One of the troubles to which cows are subject during the early season of their milk, is caked bag, or inflammation the udder. In most cases, two or three thorough bathings in cold water will allay the inflammation, and effect a cure. If you would make a sure thing of it, prepare a quart or two of good lively hop-yeast, about the consistency of pancake batter, and daub the udder thoroughly with this, 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 much of it adhere as possible. It will act more continuously than a mere wash, and generally reduce the inflammation in twenty-four hours. If not, repeat it .- Wisconsin Farmer.







# Farm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JUNE 22, 1867.

AGRICULTURE feeds us; to a great extent it clothes us; with-ut it we could not have manufactures, and should not have commerce. These all stand together like pillurs in a cluster—the argest in the center, and that largest is Agriculture.—IIANIEI WEBSTER.

#### TO SIX MONTHS' SUBSCRIBERS.

ALL persons who subscribed for six months only, to the FARM AND FIRESIDE, must renew their subsriptions before July 1st,

#### CAREFUL EXPERIMENTING.

In developing new ideas, and in testing the truthfulness of freshly promulgated theories, we are too apt not to sufficiently take into consideration all the attendant circumstances. Sometimes that is accredited to experiment which may be the result of the purest aecident; and one man may fail to produce the results his neighbor did, though following precisely the same rule and routine. To the want of taking all the circumstances into consideration may be attributed the contradictory opinions in reference to certain processes.

Farmer A. experiments with a newly advertised fertilizer. Last year bis grain looked sickly, grew up sparsely, and headed badly. This year he applies the fertilizer in question, and he is jubilant over the result, the yield being abundant in quantity and superior in quality. Of course it was the artificial stimnlant that did it! But stop, farmer A., we have a few inquiries to make:

- "Neighbor B.'s field looks as well as your
- own. How did it look last year?"
- "Wretched, sir; worse than mine." "Did he apply, this year, the fertilizer you laud so highly?
- "He did not," replies farmer A., a shadow of misgiving passing over bis face, as he already anticipates the final query.

"If his field, in which the artificial stimulant was not used, presents as fine a yield as that of yours, in which it was used, what right bave you to attribute the flattering appearance of yours to the fertilizer in question? May not the quality of the seed, the time of planting, the favorableness of the season, or a dozen other different agencies have contributed to the eneouraging result?"

Those results are most surely to be relied upon that follow a succession of experiments, that are made when all other circumstances are equally favorable, and that are founded on observations that suggested their practicability. We will give a ease in point:

Mr. Henderson, author of "Gardening for Profit," paid considerable attention to the insect which attacks the roots of the cabbage family, causing the destructive disease known as the "club root." One locality was free from the pest, while another quite adjaceut wilted under it. Suspecting that the difference existed in the soil, he examined that of the particles of oyster shells, a deposit washed np from the river shore. This discovery suggested to him, and quite uaturally so, that in all probability the insect was a fastidious one, and not been thus treated, was not.

the adjacent tract was planted at the same time, of liming, was strong corroborative testimony. ing the same remedy. This was contrary to an experience of twenty years; each alternate second year.

We give this as an instance of the process by which some men arrive at definite results, and benefit the world so much. Observations correctly made are the starting point; next there is a careful, pains-taking reasoning from cause to effect, to be followed by discriminating experiments, which prove the course of reasoning to be either false or trutbful. We repeat it: experimental farming requires a fair allowance of good judgment. If more of this quality was possessed and exercised, somethings in farming operations would seem less contradictory, and less time would be lost in exploding theories as nebulous as they are preposterous.

#### A COLD SUMMER.

THE unusually wet and cold Spring-the most backward since 1837—is succeeded by a cool, cloudy, wet June. Such 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 remembered that a French agricultural writer, of much disfinction, predicted, in January, that we should have a cold Summer in 1867. We wrote a paragraph in reference to this meteorologist's prediction, in April; yet did not consider it of much importance, for scientific men are not infallible, nor are they generally more correct in weather wisdom than far mers who are practical meteorologists,

Without giving the French savant the credit of prophesy, we are admonished by the remarkable character of the season to acknowledge that he made a tolerable correct guess this time. We are also admonished of this fact, that unless the balance of the season is more propitious, a very large section of the harvest of olives in the Golden State. country, especially New England and the North-West, will not raise half a corn crop. The planting in those sections was retarded by cold weather and an unusual rain-fall throughout April and May; in fact, many thousands of acres were not planted until the advent of June. Now, without a very favorable Summer, and the absence of frost in early Autumn, an average eorn crop cannot be produced this

We do not wish to discourage our farm friends, but, on the contrary, desire to remind them of the best thing to be done to avert a failure in a season like the present. Good eulture always increases a corn crop, even in the most favorable of seasons; but now, the art of perfect culture, as far as practicable, must be adopted. As often as the ground is dry and friable, keep your one horse plougbs, cultivators and hand-hoes in operation. By this extra attention to the crop you 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. Frequent rains form a hard crust on many soils, which reflect 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 the present, we cannot exformer, and found it abounding in granulated peet fair crops without extra labor. Even if author urges the importance of neat buildings, tbe Summer turns out hot, your extra tillage will be repaid by increased productiou.

Cheese Factories .- The rapidity of inhad an especial aversion to limy substances. crease in cheese factories, in some of the He applied hone dust liberally to an affected States, is remarkable. New York takes the lot of ground, and the next crop was free from lead, as in most improvements in agriculture, Western States. A farm with lawu, shade ing and boeing, a correspondent of the New the disease, while an adjoining one, which had and has now nearly four hundred cheese facto- trees, &c., always commands a better price, to York Farmers' Club says he has a piece of land ries in operation—nsing the milk of more say nothing of the pleasantness and attractive-that has been hoed 15 years, and there are ten Subsequent experiments convinced him that than one bundred and seventy thousand cows. ness of these embellishments. the insect cannot exist to an injurious extent in Obio comes next, having upwards of sixty a soil impregnated with lime. The fact that factories, and consuming the milk of forty-two thonsand cows. Massacbusetts claims a dozen and other eircumstances made as much alike factories, to which thirty-seven thousand cows in both cases as possible, with the exception contribute their milk-proving that the Bay is just now being especially turned in this water-melons, &c., will prevent the ground Of the latter, more was adduced in the fact The great State of Pennsylvania, which is one the 15th inst. devotes a leader to the subject, of the melon, and also considerably hasten its that he could raise successive crops by apply- of the largest and best grazing States in the urging farmers at least to enlivate enough of pripening. year the pest had developed, because the insect their milk. With as good grazing land as can to conrect willend, if the experiment is properly to few minutes. deposits its eggs in the soil the first year and be found between the Atlantic coast and the conducted, in their devoting more time and ance half her own hutter or cheese.

#### SPIRIT OF THE AGRICULTURAL PRESS.

The Prairie Farmer, of Chicago, is represented at the Paris Exposition by one of its Editors, Mr. W. W. Corbett, who is writing home an interesting series of letters, descriptive of agricultural machinery and other matters, as witnessed at the grand carnival of na-

Potato bugs have commenced their ravages in the North Western States. The Wisconsin Farmer, of Madison, says "the bugs pounce on the vines as soon as out of the ground, and make sbort work of them." This exhibits the wicked character of Wisconsin bugs; out this way they are more considerate-if not reasonable-for they rarely disturb potato vines until about the time they are in blossom. A sprinkling of ground plaster or sulphur is a remedy for these rascals.

The Southern Ruralist, of Greensburg, Louisiana, invites us to copy its prospectus, stating, "we will pay you in vincs or seeds-our only currency." Gentlemen, you are liberalprodigal in poverty, perhaps. Send us a seed of Jonah's gourd, and we'll see how it looks.

The cultivation of the olive, and its manufacture into oil is strongly recommended by the California Farmer, of San Francisco. The Editor is excessively fond of the genuine Spanish olive oil, (Eastern Editors are slippery enough without it!) and predicts 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

A correspondent of the Rural New Yorker. of Rochester, predicts this year a prolific one for the eut-worm, on account of the cold, backward season. As a remedy for the cut-worm 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-worm until the corn plauts are beyond their reach. He also recommends the use of a heavy roller over the land before the crop is planted. This is all excellent advice, but is too late to be applicable for this season.

The agricultural Editor of the Saturday Evening Post, Philadelphia, is visiting the "new settlements" in New Jersey, Amoug other matters, he talks sensibly to all wbo have laud-fever on the brain. Hear what he

"Don't let your ambition to become a large landed proprietor lead you into the purchase of more territory than you can pay for, improve and properly cultivate; having in mind always these facts, that one acre thoroughy cultivated is better than three slovenly manslaughtered; and that in farming unimproved acres pay no dividends."

The Magazine of Horticulture, Boston, has a capital article on Farm Embellishment. The shrubbery, and a reasonably sized lawn. From one to two acres, with smooth grass, shade Figland farmers have better taste in these matters than our agriculturists in the Middle and

The cultivation of Small Fruits has made blossom. greater progress in the last ten years than it ever made before in this country. Attention even a sbingle, placed nnder canteloupes, State factories are larger than those of Ohio. direction. The Massachusetts Ploughman of Union, has only five cheese factories—towards the small fruits to supply their own families which less than one thousand eows contribute and those of a few of their neighbors. Such Petersburg, Va., a few days since, and died in as wide, and promising, and safe a field for proved that it can be successfully grown.

enterprise and thrift, as any other branch of soil cultivation.

Hoe! Every One that Thresteth!—The New England Farmer insists upon a frequent hoeing of the corn crop; it not only eradicates the weeds, but tends to warm, moisten and manure the soil. The cultivation admits the water to the plants, stimulating their roots. earrying freely with it the ammonia, so that it touches the minerals in the soil and dissolves an acceptable portion of them. Tillage is as essential as manure; it was the main stay in ancient farming; the Romans made Sterculins a god because he discovered that the droppings of animals had the same effect upon the soil as

THE COTTON CROP.—Speculators in cotton begin to croak from the planting of the seed to the period of gathering the crop. Before the Rebellion, when cotton buyers and speculators controlled the market, we heard a great deal of this talk; recently these interested gentlemen have uttered the old cry, and would make us believe that a small area is planted, and that the crop prospect is unfavorable. A Georgia correspondent predicts a crop of 500,-000 bales for that State. A Charleston journal speaks enthusiastically of the prospect in a majority of the sea-board counties. From Alabama, we hear gramblings from the country press because "so much land is planted with cofton." Louisiana papers say the growing crop looks healthy, but is full two weeks late. From these facts we couclude that free Libor has not murdered King Cotton; that its culthre is by uo means abandoned, and that the crop of 1867 will be much larger than that of last year. The steady decline of cotton goods at the North is an evidence of no failure in this great staple of Southern prosperity.

### AGRICULTURAL ITEMS.

Cattle are becoming so scarce in the Northern States that it is eneouraging to read in a late Jacksonville (Fla.) Union, that such immense herds of cattle are roaming at will through the wilds of that State and Georgia, as to prove a serious inconvenience to the railroad trains which travese those sections.

A correspondent of the American Agriculturist says that rafs dislike coal tar very much, and that he is in the habit of daubiug it about their holes and runs, with good results. Coal tar mixed with sand to the consistency of thick mortar, is an effectual stopper to rat-holes.

The Cuban sugar crop will be ten per ceut. short of an average.

The Prairie du Chien Union says 20,000 bushels of wheat arrive there daily, and there must be more wheat in Minnesota and Iowa than speculators say.

Through the whole South the earliest vegetables and the first spring chickens are brought into the towns by the freedmen. "And they save their money to buy them a farm, to lead a different life.

Horace Greely says that he lost \$1200 by the Fawks' steam plow failure in Illinois, but be trees, both deciducus and evergreen, add much still expresses the belief that within ten years, to the attractiveness of all rural homes. New land will be plowed twenty inches deep at a cost of \$1 per acre.

> In regard to killing Canada thistles by plowthistles now to one where he commenced. He succeeds better in mowing them when in

> A piece of roofing slate, any thin flat stone, from extracting the flavor from the lower part

> A Cow swallowed a moccasin snake, near

The cultivation of Carolina rice is to be comattacks the roots in its larva condition the Rocky Mountains, Pennsylvania does not pro- ground to the object; because small fruits offer menced in India, where experiments have



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. These elements about us—the gorgeons sky, the imperial snn, are not too good for the human race. Elegance fits man. But do we not value these tools of honsekeeping a liftle more than they are worth, and sometimes mortgage a house for the mahogany we would bring into it? I had rather eat my dinner off the head 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 home, and take so much pains with the outside that the inside was bollow as an empty nut.







#### A ROSE OF JUNE.

There never was a fairer May, A sweeter month of flowers. For well I marked it every day, Its sunshine and its showers. I saw the wind-flowers speck with white The woodlands and the hills, I saw the garden-plots grow hright . With golden daffodils; And round the bloomy apple-trees That brushed my lattice-pane I heard the humming honey-hees Sing many a soft refrain.

Yet-"wax and wane with speed," I cried, "Oh, mellow moon of May, And usher in the summer-tide I long for every day! For when the honey-suckles shed Their sweetness through the air, And when the roses white and red Go climbing every where-A hud of hope will bloom at last, And you shall see, O Moon, Upon my happy, happy hreast The fairest rose of June!"

And so the young May-moon grew old, For seasons wax and wane, And heed the happiness they hold As little as the pain. One morning when the east was red With promise of the day, I looked, and lo! upon my hed The dainty blossom lay; A rose of June heyond compare-For ah! what roses blow With dimpled cheeks, and golden hair, And violet eyes below?

And never yet was rose of June That blossomed all the year; But mine (ah, you shall see it, Moon!)
As lovely will appear When Winter wraps the frozen fields In hurial robes of white, As when the radiant Summer yields Her treasures of delight. Nay, more-when all the flowers are dead, My rose will lift a fearless head. In amaranthine bloom arrayed,
Beyond the shining shore!

#### Fireside Reading.

HOW I CAME TO BUY A FARM.

BY BAYARD TAYLOR.

my grandfather was, and his father before him, ahout this portion of the genealogical tree, I some eeuturies further; and that "Roger" (of sassafras and tulip trees, 1614) the son of Thomas, the son of "Roger," who wore the judicial ermine upon his eseutcheou, had his favorite eouutry-house in the neighborhood of London.

heu driven by hunger, with long stockings

employment—picking stones and weeding tain occasion, as my memory runs, I chased difference in my relation to the property. So Ladies heads.

eoru—were rather a torture to this superfine the snake while he ran away. His story is long as any portion of the landscape, which taste. But almost every field had its walnut tree, and many of the last year's nuts retained their flavor in the Spring; melons were planted among the eorn, and the meadow which lay between never exhansted its store of wonders. Besides, there were eggs to hide at Easter; cherries and struwherries in May; fruits all Summer; fishing parties by torch-light; lohelia and sumac to he gathered, dried and sold for poeket money; and in the Fall, ehestnuts, persimmons, wild grapes, cider, and the grand "butchering," after frost eame-so that all the pleasures I knew were those incidental to a farmer's life. The books I read came from the village library, and the task of helping to "fodder" on the dark Winter evenings was lightened by the anticipation of sitting down to Gibbon's Rome, or Thaddeus of Warsaw, afterwards. To he 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 in a small country-store effectually eured me of such folly. When I returned to the homestead as a youth, I first felt the delight and the refreshment of labor in the open air. I was then ahle to take the plow-handle, and I still remember the pride I felt when my furrows were pronounced 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, if not the profit of cultivating it. The aroma of the sweet soil had tinetured my blood; the black mud of the swamp still stuck to my

It happened that, adjoining my father's property, there was an old farm, which was fast relapsing into a state of nature. Thirty or forty years had passed since the plow had touched any part of it. The owner, who had lived upon auother estate, had always deeliued to sell-perhaps for the reason that no purchaser could he found to offer an eneouraging price. In the first place it runs in the blood. If Left thus to herself, nature played all sorts of there is any law I helieve in, it is that of the wild and pieturesque pranks with the property. hereditary transmission of traits, qualities, Two heaps of stones were all that marked the capacities and passions. My father is a farmer, site of house and harn; half a dozen ragged plum and peach trees hovered around the outand his again, to the seventh aneestor, who skirts of the vanished garden, the melancholy eame over iu one of William Penn's vessels, survivors of all its bloom and fruitage; and a and immediately set about reducing the super- mixture of tall sedge grass, sumaen and hlackfluous sylvanism of the Apostle's Sylvania. If berry bushes eovered the fields. The haw-I could hrush away the clouds which hang thorn hedges which lined the lane had disappeared, hut some elumps of privet still held have no doubt that I should find its trunk their ground, and the wild grape aud the scarstriking through eottages or country halls for let-berried celastrus elambered all over the tall

Along the road which 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 The child that tumbled into a newly plowed earth, their trunks rose like a crowded colonfurrow never forgets the smell of the fresh ade clear against the sky, and the sunset, hurnearth. He thrives upon it as the hutcher's boy ing through, took more gorgeous hues of orthrives upon the stream of blood, but a lange and angry erimson. Knowing that if healthier apple-red eomes into his eheeks, and the farm were sold, those glorious trees would his growing musele is subdued in more inno- he the first to fall, and that the sunset would cent pastimes. Almost my first recollections thereby for me lose half its splendor, I graduis that of a swamp, into which I went hare- ally came to contemplate them with the interlegged at morning, and out of which I came, est which an uncertain, suspended fate inof black mud and a mask of the same. If the of the field, there was an old, guarled mother Winter night. The bare earth was hard frochild was missed from the house, the first pine, surrounded by her brood of young ones, zen; the sun was down, a quarter-moon shone thing that suggested itself was to elimb upon always springing up in the same direction, overhead, and the keen, northwest winds hlew a mound which overlooked the swamp. Some- and from the fact that the seeds were scattered in my face. I had known no Winters for where, among the tufts of the rushes and the by the nor'west winds, seemed to be running three years and the bracing stimulus of the blade leaves of the ealamus, a little brown ball off down the slope, as if full fledged and eager eold was almost as novel as it was refreshing, was sure to be seen moving, now dipping out to make their way into the world. The old Presently I recognized the boundaries of my of sight, now rising again, like a bit of drift on pine had an awful interest to me as a boy. property—yes, I actually possessed a portion the rippling green. It was my head. The More than once huge black snakes had been of the earth's surface! After all, I thought treasures I there eolleeted were black terra- seen hanging from its boughs, and the farm possession—at least so far as nature is conpins with orange spots, bahy frogs the size of hands would tell mysterious stories of an old eerned-means simply protection. The moona ehestnut, thrush's eggs, and stems of purple mother serpent as long as a fence-rail, and as lit wilderness is not more heautiful to me than I cannot say that my boyish experience of on our way to the peach trees, which still pro-legal documents, to preserve its heauty. I farming was altogether attractive. I had a con- duced some bitter flavored fruit, had more need not implore the woodmen to spare those

that he chased and I ran—and the question re- pleases me, is not disturbed, I possess it quite mains unsettled to this day.

In another wood of ehesnuts, heyond the field, the finest yellow violets were to be found. trees. Sometimes we extended our rambles lands. How far off the other people lived! sight. But when I build a house, I thought, I tradition of huried treasure still lingers about gold, and made the steeple thereof five hun-

At last came the launch into the world-a slide, a plunge, a shudder, and the ship rides the waves. Absence, occupation, travel, suhstituted realities for dreams, and the farm, if not forgotten, heeame a very subordinate ohject in the catalogue of things to he attached. Whenever I visited the homestead, however, I saw the sunset through its grating of forest, and remembered the fate that still hung suspended over the trees. Fifty years of neglect had given the place a had name among the farmers, while Nature, as if delighted to reeover possession, had gone on adorning it in her own matchless way. I looked on the spot with an instructed eye, and sighed, as I eounted up my seanty earnings, at the refleetion that years must elapse before I could venture to think of possessing it. My wish, nevertheless, was heard and remembered.

In July, 1853, I was on the Island of Loo Choo. Returning to the flag-ship of the squadron, one evening, after a long tramp over the hills to the south of Napa Kiang, in a successful search for the ruins of the ancient fortress of Tima Gusku. I was summoued hy the officer of the deck to receive a package which had 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, forgetting the tramp of the sentry and the sound of the sleepers in their hammoeks around mc. Opening letter after letter, and devouring, piece by piece, the banquet of news they contained, the most startling as well as the most important communication 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 midwateh had just relieved the first; the night was pitch dark, only now and then a wave hurst into a flash of white fire. But as I looked westward, over the stern rail, I saw the giant oaks, rising black against the crimson sunset, and knew that they were waiting for me-that I shall surely see them again.

Five months afterwards I approached home, after an absence of nearly two years and a spires. At the foot of the oaks, on the horder half. It was Christmas Eve—a elear, sharp swift as a horse. In fact my brother and I, it was before; but I have the right, secured by stitutional horror of dirty hands, and my first than once seen snakes in our path. On a cer-

as much as this,

During these reflections, I had reached the foot of the ridge. A giant tulip tree, the honey The azaleas blossomed in their season, and the of whose blossoms I had many a time pilfered ivory Indian pipe sprang up under the heech in my boyhood, erowned the slope, dropping its long boughs, as if weary of stretchiug them to the end of the farm, and looked down into in welcome. Behind it stood the oaks, side the secluded dells which it covered—such hy side, far along the road. As I reached the glimpses were like the discovery of unknown first tree, the wird, which had fallen, gradually swelled, humming through the hare branches, How strange it must be to dwell continually until a deep organ bass filled the wood. It down in that hollow with no other house in was a hoarse, yet graceful chorus of welcome-inarticulate, yet intelligible. shall huild it upon the ridge, with a high steeple, come, welcome home!' went hooming through from the top of which I can see far and wide. the trees, "welcome our master and our pre-That deserted farm was to me like the Ejuxria server! See, with all the voice we can catch of Hartley Coleridge, hut my day dreams from the winds, we utter our joy; for now were far less ambitious than his. If I had there is an end to fear and suspense; he who known then what I learned afterwards, that a knows us and loves us spreads over us the shelter of his care. Long shall we flourish on the garden, I should no doubt have dug up the hill; long shall our grateful shadows cover millions in imagination, roofed my house with 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 trees were the first to recognize me. Listening to their deep resonant voices, (which I would not have exchanged for the dry rattle of a hundred league long forest of tropical palms.) I was conscious of a new sensation which nothing hut the actual sight of my own property could have suggested. I felt like a tired swimmer, when he first touches ground—like a 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 strikes root. My life had now a point d'appui, 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 could not have given me the same positive, tangible sense of property.

> When I walked over my fields, (yes-actually 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 much 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 amputated!" Why, even the sedge grass and sumaes how heautiful they were! Could I ever make up my mind to destroy them? As for the eedars, the hawthorne, the pivet, the tangled masses of elimbing smilax-no, by the hones of Belshazzar, they shall stand. "This field will not be worth much for grain." Well -what if it isn't? "Everything is wild and neglected-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 he 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 complacent calm, as if whispering—"It's all right; let us enjoy the sunshine; he'll take eare of us!"

> Yes, one eannot properly be eonsidered as a member of the Brotherho habitant of the earth, until he possesses a portion of her surface. 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 estate. Banks hreak; stocks and scrips of all kinds go up and down on the financial 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 progeney's-unless mortgaged and sold through foreelosure—until the Millennium.

And this is how I came to huy a farm.

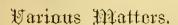
-Soil that needs more top-dressing-



Learning a Trade.—It was a wise law of the ancient Jews that sons of even the wealthiest men should be made to serve an apprenticeship at some useful occupation, so that in ease of the reverse of fortune they might have something to 'fall hack upon.' The same law still exists in Turkey, where every man, even the Sultan himself, must learn a trade. How fortunate would it he now had it heen a law in this country! 'Would to God I had a trade!' is the cry of thousands of returned soldiers, North and South, who find themselves ruined in pocket, with no immediate prospect of gaining a livelihood. It should teach parents that whatever else they may give their sons, they should give them a trade. And let us in future be spared the pain of seeing so many stout, ahle-bodied young men out of employment, and seeking situations where the pen only cau he used.







#### WRITE FOR THE FARM AND FIRESIDE.

Is there no writing talent among the farmers alone has fifty-nine factories. and horticulturists of Rhode Island? We have published the Farm and Fireside nearly six months, yet during this time we have received but three or four communications from writers living in this State. This ought not to be. There are intelligent agriculturists and horticulturists in Rhode Island, and they ought to communicate their thoughts and experiences for the benefit of others. The Farm and Fireside is the only agricultural journal in Rhode Island, and the tillers of the soil ought to make it the medium of their communications. We earnestly desire them to do so. There are many persons who cau give us facts and experiences of great value. No attempt need be made at "five writing." Give us practical informatiou, in plain language.

#### AGRICULTURAL ITEMS.

THE Memphis Post calls public attention again to the fact that the United States own a large tract of mineral land in North Alabama. Any one, under the provisious of the homestead law, can obtain a home in this tract for

The tobacco crop in North Carolina is unpromising, owing to the unfavorable weather and the damage done by the fly, and some of the lands have been planted with other crops.

Ohio advices state that the fruit trees are loaded down with more fruit than they can bring to perfection, and a larger supply is anticipated than has been had for years.

A disease known as the milk fever, has broken out among the cows in Michigan. It attacks new milch cows and proves fatal in eight hours.

The annual fair of the Northampton county (Pa.) Agricultural Society will be held on their grounds, at Nazareth, ou Tuesday, October

One man in Chester county (Pa.) has planted eighty acres of potatoes this season.

The Agricultural College huildings at Amherst, Mass., will be finished by September 1st.

It is reported that a farmer near Erie, Pa., bought several barrels of spoiled sansages for the purpose of using them as manure, and put a link into each hill of corn. Before the next day, every dog that lived in a radius of four or five miles of the field, had been there digging sausages. The corn came up a little quicker than the farmer bargained for.

Western Ireland is suffering severe famine and general destitution in cousequence of a hard Winter and failure of the crops.

Last year California imported 52,000,000 lbs. of raw sugar. Now they are going to make heet sugar, and have sent to Europe for

Three hundred and fifty-one thousand pounds of loose tobacco was sold in Lynchburg last week, besides 311 hogsheads averaging at least 1000 pounds each.

The farmers appear very nneasy about rust in the wheat. There have been indications of it. The heads of the wheat are also rather inlerior .- Charlottesville (Va.) Chronicle.

The Shenandoah Herald fears that the clover crop of that county will be a short one, and reports corn backward, owing to the want

The frees in the woods uear Newmarket, Va., in Shenandoah county, have heen stripped of their foliage by countless numbers of caterpillars.

A large Eastern manufacturing company has sent out an agent to huy 500,000 pounds of wool in Missouri. Sacks furuished, and good prices paid.

The yearly product of butter in Massachusetts is said to be about 9,000,000 pounds; worth, this year, at the farmer's door, the round sum

There are in the United States four hundred ate number of three hundred and seventy-two, \$ 000,000.

and all the rest of the country, including Canada, but one hundred and fourteen. Massachusetts has hut ten and Pennsylvania five; Ohio has fifty-two, but Oneida county, New York,

Raising early vegetables pays in the vicinity of Boston. An Arlington gardener brought in twelve hundred full grown cucumbers the other day and readily sold them for \$13 per hundred.

Lands suitable for grape-growing, along the lake shore West of Cleveland, readily bring two hundred dollars per acre. The soil in that region consists mostly of a heavy clay, and contains iron and sulphur, the latter a very serviceable ingredient in the cultivation of the vine.

with strawberries from Jersey, and the wholesale price is down to 12 and 15 ceuts a quart. There is an immense erop of strawberries this

very large this season. Mowing commenced last week, and, in some parts of the State, there will be double the crop of last year.

In the year ending May 1, 1867, there were this country. The average price received by the factories was over 17 ceuts per pound, in ceptible of still further improvement, until it

#### CROP PROSPECTS.

excellent everywhere that he has been. They exchanges and are anxious to obtain seeds from are better iu Georgia than they have been for

The crops in Iowa are coming forward rapat one time it was feared would prove a failure, is now most promising. The fruit crop will he the heaviest known for years.

Of the Western harvest, the Chicago Republican says: "The uniformity of the favorable tone of these reports with reference to the prospective harvest is somewhat remarkable. Spring grain uniformly looks well. All the varicties of fruit promise abundantly, except cherries. With one or two exceptions, Winter grain, when spokeu of at all, receives favorable meutiou. There is mauifest no tone of discouragement concerning the corn crop. Though late, it is starting fincly, under the infinence of the June heat; and there is plenty of time for it to grow and produce a heavy harvest, if the seasou is favorable.

In the more Western sectious of the State the potato crop is seriously endangered by the presence of the new potato bug, which seems to be moving Eastward slowly, but steadily, devastating the crop wherever it appears.

The growing crops in Wisconsiu are in excelleut coudition. Corn is reported as very fine is making up for lost time.

In North Carolina the wheat crop is unusually promising, but there are unfavorable reports about the tobacco crop.

OLD COWS-WHEN TO KILL. -It is a question, among farmers, as to what age cows cau be properly used for dairy purposes, and when it is hest to dispose of them on account of age. This will depend somewhat on the breed of \$85 and the lowest \$65. the animals, and the usage they have received. As a general rule, when a cow has entered her horns for a new wrinkle!

than from the United States. During the five years preceding the war in this country the average yearly value of cotton imported into England from Iudia was \$19,313,880. In the five succeeding years the average rose to \$129,423,230. The quantity imported during York State has the enormously disproportion- to 1,847,770 bales, worth upwards of \$165,-

#### CHANGE OF SEEDS.

From the "Report of an Agricultural Tonr in Europe," by John H. Klippart, Esq., recently submitted to the Ohio State Board of Agriculture, and published in the late annual report of that body, we extract the following:

I made many inquiries and collected quite a number of items, facts, or at least supposed facts, in relation to the change of farm crop seeds, but as it would require entirely too much space to give the details of a tenth part of them, I must content myself by giving a simple statement of the conclusions I arrived at, based, of course, upon the statements detailed to mc. It appears that any farm crop, The New York market is literally glutted as wheat, for 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 variety A. ou this farm, which I will designate as farm The crop of grass, in New Jersey, will be No. 1. After the limit of improvement has been attained on No. 1 it will then, for a series of years, remain stationary, and after that, even with the best culture, will deteriorate. But if, when it has attained its limit on No. 1, 45,000,000 pounds of cheese exported from and is then transferred to a farm No. 2, with equally good or better soil, it appears to be susreaches the limit of No. 2, then it will improve again on farm No. 3, etc. Whilst the variety A is deteriorating on farm No. 1, the variety B, under proper treatment from farm No. 2 or 3, Gen. Marston of New Hampshire has just will improve by the side of it. Hence, the returned from the South, and reports crops as German farmers have adopted a system of seed foreign countries. They seem to have given this subject a great deal of attention, and take into account the kind of soil, meteorology, and idly and look finely. The corn crop, which level above the sea where the seeds were grown, and I am inclined to think they make it a point to ohtain good seeds from clevated regions grown on an inferior soil. The exchanges are conducted mostly by the local agricultural societies. The Sonderhausen agricultural association have made many experiments in the exchange of seeds, and now recommend, as the result of their experience, that "seeds from a good rich soil, to a cold and indifferent one is profitable, and vice versa!"

> BENEFIT OF ADVERTISING IN THE FARM AND FIRESIDE. - Mr. John Gites, of South Framingham, Mass., two weeks ago advertised several head of Jersey cattle. He informs us that this little advertisement was the means of selliug all of them. Joseph G. Ray, Esq., of Frauklin, Mass., hought five. This reminds us to say that Mr. Ray recently sold a Jersey cow, with calf by her side, for six hundred dollars. She was twelve years old. Five years previously he bought her of Mr. Giles.

Radishes.—If any of our readers who cannot raise radishes on account of worms, or in nearly all parts of the State, and vegetation usuitable soil, will strew common wheat brau, one juch thick, ou any good soil, and hoe it iu, and theu plant their seed, they may eat as good radishes as anybody can raisc.

> At a recent sale of Alderney cattle near Baltimore, Indiana, sixteeu cows and heifers were sold at an average price of \$224.75 per head. The highest price was \$380 for a four year old cow. Five bull calves sold at au average of \$75 each. The highest price was

teeus she has approximated closely the limit giuia. At a meeting on Friday, of farmers, of her usefulness in the dairy line. A good laudowuers and capitalists at Alexandris, it was farmer once remarked that a cow was never unanimously resolved "that the great need of worn out so long as there was room on her this State is that the lands of Virginia should be divided into smaller farms than those in which they are now held, in order to promote ENGLAND imports more cotton from Iudia the settlement among us of real owners of the soil, who will thus have a direct interest in the future welfare and prosperity of the State."

SALE OF THOROUGH-BRED HORSES. -The large sale of thorough-bred horses, and improved cattle, owned by R. A. Alexander, of Woodand eighty-six cheese factories, of which New the year 1866 is the largest known, amounting burn, Kentucky, came off, on the 13th inst. The prices averaged very low, for stock of so much celebrity.

### The Markets.

### WOONSOCKET RETAIL MARKET.

[For the week ending June 21, 1967.]

PARM PRODUCTS, FUEL, &c.		
Hay & ton	Wood & cord \$129 50	
STRW W TO LONG	Bealis ≪ onset 15a	
COMP 40 CONTRACTO CONTRACTO	1 10 Ust Oest	
Oats bush\$1 00	Onionsl.v0	
GROCERIES, &c.		
Flour	Raisins	
Corn Meal	Molasses of cal Modesa	
Ky 0	1 1. H. Tea 41 00	
Saleratus	Black Tea	
Kerosene Oil	Child Stand	
Butter of Ib35a38c	Candles 50	
Codiisb8c	Eggs th doz	
Java Conee of Ib25a50c	Lard 7 lb 16 acts	
Mackerel, new10a12c	Sugar & B Isalec	
MEATS. Ac.		
Beef Stenk 25a30c	Hams 16alwo	
Deer, corned	I OULTY "On Oh o	
longues, clear25c	Shoulders 150	
Mutton	Saurnges20c	
Year	Tripe	
Pork, fresh16a20c	Pork, sult18c	

### BRIGHTON CATTLE MARKET.

June 19, 1867.

Sp. 18. Sp. 18

store Cows \$45a55.

Sheep and Lambs.—The trade is dull. Most of the Western Sheep were taken at a commission. We quote sales of lots at from 5% to 7%c, per lb; one lot at 5%c; \$1 Sheep and Lambs at \$3.50 per head. Swine—Wholesale, 9a9% cents & lh.; retail, 10@13 cts & lb. Fat Hogs—550 at market; prices, 7%@cc.per lb.

#### WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

PANIO IN FLOUR AND HEAVY DECLINE IN PROVISIONS.

PANIO IN FLOUR AND HEAVY DECLINE IN PROVISIONS.

We have had considerable excitement and depression in the breadstuffs and provision market during the week. Prices have declined rapidly. In most kluds of fiour we have had somewhat of panic. In provisions the failing off has been very great and rapid.

All grades of flour have declined rapidly. That not fresh ground has been pressed on the market at very irregular rates. The current prices at the close show a decline of from 50 to 75 cents a burstl as compared with last week, with n strong disposition to realize.

Wheat has been very irregular. Spring has declined 5 to 10 cents a bushel, and, at the close, common qualities are very heavy and unsalable. California wheat has fluctuated, declining rapidly early in the week. Since theu, under a more active deniand, it has recovered and closes tame at the Improvement.

rovement.

Barley has been offered freely, and with a limited demand as declined about five cents a bushel, and closes tame, Oats have been quite active, declining rapidly up to Thursday, then with a more active demand prices improved two or three ents. Since then they bave yielded slightly and closed flat at the advance.

the advance.

Rye has declined materially, but at the concession there is more doing at the close.

Corn has been in very active request and has fluctuated rapidly, influenced by the rapid decline and large receipts at Chicago, variable news from Europe, and sudden fluctuations in freights. At the close the market is very tame.

Pork has been pressingly offered, and has declined \$1.50 per barrel.

### Marriages.

In Slatersville, 12th Inst., by Rev. E. A. Buck, Mr. Leander darble, of Somerset, Mass., to Miss Susan M. Trafton, of Digh-

Marble, of Somerset, Mass., to Miss Susan M. Trafton, of Digh-on, Mass.

In Uabridge, June 6, by Rev. Mr. Burr. Mr. Owen A. Bur-lngame, of Harmony, R. L., to Miss Mary L. Adame, of Cau-ierbury, Conn.

In Milford, Mr. Smith Bowen and Susie R., daughter of F. A. Sawyer of Shrewsbury, both of Worcester.

In Grafton, June 15, Archibald B. Hudson to Mrs. Delia Sumner, both of Grafton.

In Thompson, Conn., June 7th, by Rev. W. A. Worthington, Mr. Merrill A. Woodart, of Thompson, to Miss Ella F. Berry of Killingly.

Rillingly.

In Springfield, Mass., 11th Inst., Albert M. Tinkham, of At-tleboro', Mass., and S. Friusie, youngest daughter of Horace Jenks of Springfield.

### Deaths.

In Smithfield, 7th Inst., Louisa II., infaut daughter of John A and Lols B. Farnum, aged I year, 9 months and 16 days.

At Chestnut IIII., Blackstone, May 14th, Mrs. Phila Young, aged 87 years and 8 months.

In Exeter, E. 1., June 14th, Mary Dawley, wife of Othoniel Sherman, In the 72 year of her nge.

In Worcester, June 16th, Charlie P. Briggs, son of Horace V. and August P. Briggs, nged 17 months and 16 days.

In West Medway, 6th inst., Lieut. Charles H. Daniels, nged Myears.

34 years. In Mendon, June 9, Clarlssn Jane, wife of Chas. C. P. Hast-lngs, aged 29 years. In Sutton, May 12, Ellen E. Putnam, daughter of Wakto such Mary Putnam, aged 17 years.

### Special Plotices.

MOTHER BAILEYS QUIETING SYRUP FOR CHIL-DREN .- Allays all Pnin, Cures Wind Colic, Convulsions, Griping, &c. Large Bottles only 25 cents. Sold by Druggists

GEO, C. GOODWIN & CO., Boston.

### Mew Advertisements.

### LLS! MENEELY'S WEST TROY BELL FOUNDRY,

(ESTABLISHER IN F. C., made of genuine Bell-metal, (Copper and Tin) mounted with Improved Patented Nountings, and warranted. Orders and enquiries addressed to the undersigned, will have prompt attention, and an illustrated catalogue sent free, upon application.

E. A. & G. MENFELY, N. Y. WEST TEOY, N. Y.



Prof. Turner, of Illinois, advises bee-keepers to have at hand several dry stalks of mullen with the long cohe or seed tops entire, and when the bees are swarming, have ready three or four of the stalks tied together on the top of a long pole, and when the swarm is all out, before they begin to light elsewhere, run this decoy up among them as they fly and they will all pitch toward it and light on it at once, thinking that it really is a cluster of bees and a part of their swarm. This pole or decoy should be usually kept out of sight at all times except when in use, lest it should lose its effect from becoming too well known. Pieces of the same, however, laid round in branches of trees, where it would be convenient for them to light will usually determine them to light there rather then on any other part of the same tree, or on one very post to it. 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.





## Farming Miscellany.

DELAWARE FARMING-POSITION, CLIMATE, AND SOIL.

Written for the Farm and Fireside, BY J. ALEXANDER FULTON, DOVER, DELAWARE.

DELAWARE, after Rhode Island, is the smallest State in the Uniou, but, at the same time one of the most favored. Its geographical position between 38 deg., 34 min. and 39 deg., 49 min. North latitude, marks the temperate character of its climate. But this is still further modified and ameliorated by the influence of the great bodies of water with which it is nearly surrounded. On the Eastern side it has a water boundary of one hundred miles, its entire leugth composed first, of the Atlantic ocean, then, of the Delaware bay, aud, lastly, of the Delaware river. While ou the South and West the proximity of the Atlantic ocean and Chesapeake bay coufers all the advantages which au islaudic or peninsular position can possess. And for commercial advantages its relative position caunot be excelled. Having both water and railroad facilities, it is in close, easy and cheap communication with all the great cities of the Eastern and Middle States. Half a day will, at any time, take a passenger from the capital of the State and land him in Norfolk, Washington, Baltimore, or New York; while a three hours' ride will hring him to the beautiful city of Philadelphia.

From its fortunate position its climate is remarkably fiue and healthy; much more moderate than many other places in the same parallel of latitude. This is owing, no donbt, to the Atlantic ocean, and the Delaware and Chesapeake bays. There are only two months in the year which are regarded as severe and unfit for out-door work. These are January and February. It is true, however, that in some years the cold, disagreeable weather is prolonged into, and sometimes through, the month of March; while it is equally true that in other 628. years even February is compartively mild and pleasant.

The soil is a sandy loam, varied sometimes by elay. It is light and porous, easily tilled, and when well cultivated, quite productive. It produces wheat, corn, and oats; sweet potatoes, Irish potatoes, and sorghum; beets, melous, and cantelopes; apples, peaches, pears, and cherries; plums, apricots, and nectariues; blackberries, raspberries, strawberries, and grapes. All fruits, snitable to the latitude, do well; but it is the peach that has taken the lead of all others, and within a few years become a staple production and leading interest in the State. In the county of Kent, especially, this is is so marked that few farms are without peach orehards, and those that are will not continue to be so long; for every Spring and Fall new orchards are set ont, and the nursery business itself is quite an important one. The orehards generally contain from one to five thousand trees; few below one thousand, but many above five. I have myself been in orchards of ninety acres without a partition fence or missing tree so far as I was able to observe. And I know one gentleman within ten miles of Dover, who has six hundred aeres in peaches.

Iu subsequent numbers I will speak of their cultivation in detail. June, 1867.

THE army worm is doing great damage to the forests in portions of Augusta. This worm was very destructive North last year, and is but continuing its march. It moves iu armies, sweeping every green leaf and sprig before it, and if warm weather succeeds its passage it destroys the trees. - Staunton Virginian

THE strawberry culturists at Hammonton, N. J. who are extensively engaged in that occupatiou, are now engaged in sending large quantities of that delicious fruit to New York, where they realize a big price for them. It is said that the crop throughout South Jersey is the most promising that has been raised for many years past.

# Advertising Department. MORO PHILLIPS'S GENUINE IMPROVED

### Pennsylvania.

FCONOMY-PROMPTNESS-RELIABILITY!

AMERICAN CONCRETE PAINT AND ROOFING COMPANY. 543 NORTH THIRD STREET, PHILADELPHIA.

Roofs of every kind covered or repaired thoroughly. All leaks, wet and dampness in roofs, &c., prevented. Iron Fronts, Railings, Posts and Fences long preserved. All work done well, and warranted. The paint is unequalled by anything of the kind now known.

JOSEPH LEEDS, Actuary.

EMORY D. HOBART, Superintendent of Work, May 25, 1887.

50 PER CENT SAVED BY USING

T. BABBITT'S STAR YEAST POWDER. Light Biscult. or any kind of Cake may be made with this Yeast Powder, in fifteen minutes. No shortening required when sweet milk is used.

I will send a sample package free by mail, on receipt of fifteen cents to pay postage.

Nos. 64 to 74 Washington street, New York.

HENRY C. KELLOGG, sole Agent for Philadelphia.

June I, 1867.

3m-21

PECORA LEAD AND COLOR CO.

BAROMETERS! BAROMETERS!! BAROMETERS!!

TIMBY'S PATENT PORTABLE BAROMETERS,

the hest in the market, can he sent by express, and arc war-ranted accurate. A few for sale at the office of the FARM AND FIRESIDE, 402 Locust Street, Pbiladelphia. April 6, 1867.

### LEWIS LADOMUS & CO.

DIAMOND DEALERS & JEWELERS. WATCHES, JEWELRY & SILVER WARE.
WATCHES and JEWELRY REPAIRED. 802 Chestnut St., Phila.

Have always on hand a splendid assortment of Dlamonds at less than usual prices.

GOLD AND SILVER WATCHES,
Of all styles and prices, suitable for Ladies', Gentlemen's and Boy's wear. For ALL WATCHES WAREANTED.
JEWELRY of the newest and most fashionable designs.
SILVER WARE in great variety; a large stock of Silver Ware made expressly for Bridal Gifts. Plated Ware of the beat quality. Watches repaired and warranted. Country trade solicited. All orders promptly attended to. Diamonds and all precious stones bought for cash; also gold and silver.

June 18th, 1867

3m

HOOP SKIRTS. WM. T. HOPKINS,

628.

Manufacturer of First-Class HOOP SKIRTS, and dealer in NEW YORK AND EASTERN-MADE SKIRTS. Wholesale and Retail at Manufactory, No. 623 AROH STREET, PHILADELPHIA. May 11, 1867.



NEW CROP, OF OUR OWN GROWTH, WILL BE READY

JULY F1RST.
ROBERT BUIST, Jr.,
SEED AND AGRICULTURAL WABEHOUSE,
Nos. 922 & 924 Market Street, Philadelphia, Pa.
June 15th, 1867.

LIVE STOCK YOUR



E. N. KELLOGG, Freshem. GIOVANTECLIER AS SEOURITY FOR POLICY HOLDES. ZT
Policies issued on all kinds of hee stock, against DEATH and
THEFT. For further particulars, address Branch Office, Hartford Live Stock Insurance Co.
F. & E. A. CORBIN, Managers,
430 Wainut Street, PHILADELPHIA.
May 18, 1867.

FARMER'S GRINDSTONES,

OF THE BEST QUALITY:

Ready for use, with self-adjusting Shafts, Treddiss, &c. Huron Grindstones, Scythe Stones, &c., for sale hy

J. E. MITCHELL, 310 York Avenue,

PHILADELPHIA.

DISEASES IN THE AMERICAN STABLE, FIELD AND FARM-YARD. By ROBT. MCCLUEE, V. S.

For sale at the office of the FARM AND FIELSIDE, 402 Locust Street, Philadelphia. Price, \$5 by mall, prepaid.

MANUAY'S SUPERIOR TOMATO SEED can be bad of W. E. BARRETT & CO., March 2, 1867.

8-tf Feb. 23, 1867. 32 Canal Street, Providence, R. I.

SUPER-PHOSPHATE OF LIME.

STANDARD GUARANTEED.

For sale at Manufacturer's Depots, No. 27 North Front Street, Philadelphia

AND No. 95 South Street, Baltimore,

And by Dealers in general throughout the Country. Philadelphia, February 2d, 1867.

### New Jersey.

DEMBERTON

MARL COMPANY.

This company is now prepared to furnish their GREEN SAND MARL, in quantities of from four tons, (one car load), upwards. And at any point where railroad or water navigation will carry it.

Both practical use and scientific investigation, have proved Marl to be one of the best and cheapest of fertilizers.

Address all orders to JNO. S. COOK, General Traveling Agent, Mount Holly, New Jersey; or to the Sub-Agent, nearest where parties wish Marl delivered.

Circulars, with particulars, FURNISHED FREE, on application to Pemberton, New Jersey, March 9, 1867.

### Massachusetts.

ADIES, ATTENTION!—A Sik Dress Pattern or a Sewing Machine sent free, for one or two days' service, in any town or village. Also, a gift sent free, by addressing with stamp, W. FISK & CO., 17 State St., Roston, Mass., June 8, 1867.

THE INDELIBLE PENCIL CO.

(NORTHAMPTON, MASS.)

MANUFACTURERS OF THE IMPROVED PATENT INDELIBLE PENCIL

for marking clothing, &c., have now ready for sale their nev HORTICULTURAL PENCIL.

For writing on wood. Invaluable for making durable TRE and GARDEN TAGS or LABLES, or marking Tools, &c.

PRICES: Harticultural, single, 75 cents; two for \$1.00; per loz. \$5.00. Clotbing Pencil, single, 50 cents; three for \$1.00; per doz. \$3.00. Sent prepaid by mail or express on receipt of

A LIBERAL DISCOUNT MADE TO DEALERS.

RELIABLE! CHEAPEST!
DON'T PAY \$1. SAVE 50 OENTS. KINGSLEY'S WONDERFUL HAIR REVIVER

OHANGES GRAY HAIR. Promotes its growth. Prevents its falling. Keeps it moist. Be sure and try it.

A FEW HOME RECOMMENDATIONS.

A FRW HOME RECOMMENDATIONS.

From Proprietor of Payson's Indelible Ink..." Your Reviver gives the Hair an appearance of renewed youth, and leaves it beauthy and soft."

From Prof. Hitchcock, Amherst College..." I have heen trying your Reviver, and am satisfied that it imparts a dark color to Gray Hair."

From W. B. Welton, Clerk of S. L. Hospital..." I find it all you claim for it, and would say to all, try it."

From the Springfield Republican..." One of the hest Hair Revivers known."

Prepared by C. B. KINGSLEY, Northampton, Mass. Sold by Druggists and Merchants. Price only 50 cents.

GEO. C. GOODWIN & CO., and REED, CUTLER & CO., Wholesale Agents, Boston.

June 15, 1867.

3m-is-23

SOUTH DOWN CO.'S PATENT

should he used by all Farmers on

SHEEP, ANIMALS AND PLANTS

This pure preparation has been successfully used for years, and never fails to produce the desired effect when used eccording to directions.

It will not injure the most delicate animal. It will improve the Quality and Quantity of Wool.

It kills TICKS on Sheep.

It cures all SKIN DISEASES on Animals.

It kills all VERMIN that infest Animals, Trees, Plants and HICKLING & CO. S

For FOOT-ROT it is a sure cure, used as a poultice.

ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of E1GHT POUNDS of TOBACCO, as prepared by farmers.

Sold by all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wharf, Boston, Massachusetts.

For sale by KENDALL & WHITNEY, Portland, Me.; N.S. HABLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866. 4m-we-9

### Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOI, n., dealer in Agricultural Tools, consisting in part of Conicst, Wright's and Cylinder Plows and Castings; Shares's Patent Harrows and Horse Hoes, Cultivators, Seed Sovers, Hay Cutters, Gwiden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, dec, Holder's Block, Main Street.

Woonsocket, R. I.

### Rhode Island.

POUTH ANNUAL FAIR OF THE

### NEW ENGLAND AGRICULTURAL SOCIETY,

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GEOUNDS OF THE

NARRAGANSETT PARK ASSOCIATION, CRANSTON, near PROVIDENCE, R. I.,

On Tuesday, Wednesday, Thursday and Friday, SEPTEMBER 3d, 4th, 5tb and 6th, 1867.

THE PREMIUM LIST WILL AMOUNT TO NEARLY \$10.000.

Arrangements have been made with the various Railroad Companies, to run their Cars, containing Stock, &c., directly to be Fair Grounds.

There are ample accommodations within the grounds for Horses and Live Stock, and one of the best Mile Tracks for fast

Horses and Live Stock, and one of the best Mile Tracks for fast time in the world.

A large number of the most celebrated horses in the country have heen promised as competitors for the very liberal premiums that will be offered, and the best breeders of full blood cattle and horses have determined to make this the finest and most extensive exhibition of Live Stock that has ever been held in New England.

A detailed Programme of Premiums, &c., will he distributed at an early day.

at an early day.

GEO. B. LORING, of Salem,
President,
DANIEL NEEDHAM, of Boston, Secretary,
of the N. E. Agricultural Soc'y.

WILLIAM SPRAGUE, of So.
Kingston, R. I., President,
WM. R. STAPLES, of Providence, Secretary,
of the R. I. Society.

THE NARRAGANSETT PARK.

which has heen projected and laid out by Col. AMASA SPRAGUE, is an enclosure of about eighty acres of land, beautifully located in CRANSTON, near PROVIDENCE, R. I., and accessible both by Steam and Horse Cars. The grounds are surrounded by a substantial and ornamental fence, twelve feet high.

### THE GRAND STAND

is unsurpassed in architectural heauty, by any structure for similar purposes. It is about three bundred and fifty feet in length, and contains Drawing Rooms for hoth Ladies and Gentlemen; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Club Rooms; and accommodation, UNDER COYER, for scating over five thousand persons. THE STABLES.

Forty commodious and airy stables have already been erect-ed, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in process of completion.

WATER. An ample supply of pure Spring Water will be provided for every department, and the best of bay, grain, &c., for feeding.

has been constructed on the most improved plans, under the supervision of skilled engineers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best judges to be in all respects superior to any track in the country.

May 17, 1867.

19tf

Proprietors of the

RHODE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take orders for 500 Premium Horse Hoes, the hest in the world.

100 Kniffins, new, one and two horse Mowing Machines, which

are unsurpassed by any in the market, and warranted. 50 Union two horse Mowers, warranted.

10 Perry's new Gold Medal Mowers.

100 Whitcomh's Wheeled Rakes, improved 100 Horse Forks, all good kinds.

10 Garfield's new Hay Tedders. 100 Mounted Grindstones

500 doz. Hand Rakes of various kinds. 400 " Scythes, from the hest makers.

200 " Snaths, new and old patents.

200 " Hay Forks, Batcheller & Sons' make. 100 Revolving Horse Rakes, and all kinds of first class Farming Tools and Seeds. Send in your orders early and they hal

he filled promptly. PROVIDENCE, R. I.

new york.

GREAT SALE OF WATCHES. .

on the popular one price plan, giving every patron a lanusome and reliable watch for the low price of Ten Dollars! Without regard to value, and not to be paid for unless perfectly satisfactory!

500 Solid Gold Hunting Watches. \$250 to \$750 to \$750 to \$500 Magic Cased Gold Watches. \$200 to 500 ladies! Watches, Enamelled. \$100 to 300 l,000 Gold Hunting Chronometr Watches. \$250 to 300 to 500 to



### TERMS OF ADVERTISING.

A limited number of advertisements will he published in the FARM AND FIRESIDE. Price, fifteen cents a line each insertion. Advertisements are set up in a uniform style. The journal has won its way to appreciation with remarkable rapidity. and will be found an excellent advertising medium.

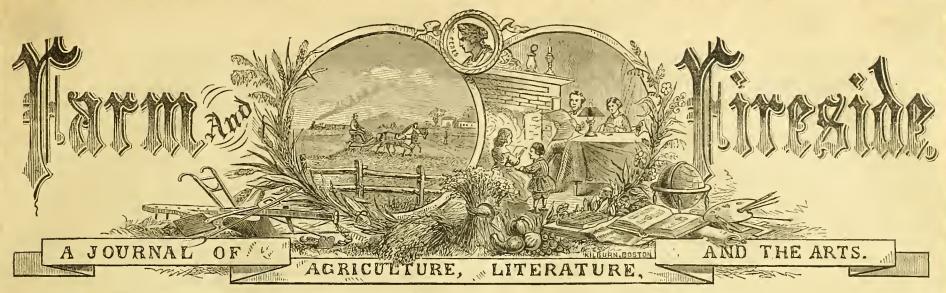
### COMMISSION TO LOCAL AGENTS.

States. Every subscriber for the FARM AND FIRESPOR may the commission is fifty certs, or twenty-five cents for each half

### IN MONTHLY PARTS.

Hereafter the FARM AND FIRESIDE can be had in Monthly Parts, in next covers, at twenty-five cents each. Those for January, February, March and April are now ready. For sale hy all newsmen. Bound at the close of the year they will form a neat and attractive volume.





ENTERED ACCORDING TO ACT OF CONGRESS, IN THE YEAR 1867, BY S. S. FOSS, IN THE CLERK'S OFFICE FOR THE DISTRICT COURT OF RHODE ISLAND.

S. S. FOSS, PUBLISHER, MAIN STREET.

TWO DOLLARS PER ANNUM, IN ADVANCE.

SINGLE COPY, FIVE CENTS

VOL. 1.

WOONSOCKET, R. I., SATURDAY, JUNE 29, 1867.

NO. 25.



### THE WASHINGTON EAGLE,\*

We iusert, to-day, a large and beautifully executed engraving of the prince of North American birds of prey, and the nohlest of the noble tribe of Eagles which have been, from time immemorial, the types of empire, and at one time, even of divinity. The bird of Jupiter, son of Saturn, who wielded the electric bolts of the father of the gods of Olympus, the prophetic inspirer of the Roman auger; the bird that hovered over the march of Casar to universal dominion and elosed its wings upon his banner-staff, which has been and still con-

tinues to be, in some shape or other, the emblem of political power and nationality-sometimes appropriately deformed with a double head, where tyranny puts a straight-jacket on the popular mind, as in Austria; sometimes, also, with an approach to its pristine dignity, as when surmounting the war-flags of that great imitator of Casar, Napoleon, and still uodding, in dreamy nepotism, on those of his last biographer, Napoleon III. Sometimes, disguised as a huzzard, ornamenting the ensigns of an American nominating convention; or sitting, like a kite, at the head of the editorial columns of some petty, partisan newspa-

many kinds of eagles in the world, of various was the ridicule of the less adventurous, and tastes and liabits; so that from among them, all principalities, great or small, noble or selfish, frank or diplomatie, may choose a proper bearing for their respective seals and coins.

It is by no means remarkable, then, that our immediate ancestors of the "days that tried men's souls," when easting about for a suitable hadge of nationality, should have selected a bird decorated already with so many historic honors. Young America at that time little thought of the destiny which now so plainly indicates that she is to become the Rome of the future. Therefore, in selecting from among the various eagles, the choice naturally fell upon the species with which the colouists had beeu most familiar, and which was at the same time the largest known in the little helt of country along the Atlantic coast, then constituting the entire domain of the United States.

When Franklin (we helieve it was Franklin) objected that the Bald Eagle was not an exclusive resideut, that his mauuers were by no means dignified, nor his morals nnexceptionable; and suggested the "wild turkey as a good, honest, sensible (?) and perfectly indigenous bird," the immortal fathers frowned upon the propositiou; for nations have little respect for that which has neither teeth nor talons.

And so the Bald Eagle became, and has ever since continued, our national emhlem; though he is a pirate by profession, without a pirate's courage among his fellows; who watches the harmless fish-hawk pursuing his mercantile speculations among the finny tribe; and when the hawk is returning with his hard-earned cargo, to feed his mate and little ones, the cowardly tyrant rises above him by mere strength of wing, and, swooping down upon the unfortunate trader, startles him with a terrific scream; then, as the hawk drops his load, the eagle seizes the prey before it reaches the water, without even the warrant of a guarda costa; for fish are not subject to duty when imported on American bottoms. It is said, too, that when our banner bearer is very hungry he will regale himself upon filth and earrion, like a turkey-buzzard or a Bramin kite, thus degrading himself beneath the level of all respectable eagledom!

And shall this thief, pirate and wrecker eontinue to receive imperial honors at the hauds of "the greatest nation in all creation?" Forhid it, Justice! Forbid it, Manhood! Let him be deposed at once, and let mautle aud seepter desceud to his far nobler successor, the "Big War Eagle" of the Western Indians, or the Washington Eagle of Auduhon, who was the first of eivilized mankind to meet with and vanquish it, in the depths of its native wilder-

We give our readers the life-like portrait of this very rare bird, from the specimen presented to the Academy of Natural Sciences by that most amiable, enthusiastic and much are computed. regretted naturalist, who, led by Indian legends, pursued the search for years, and when hlessed at last with the view of the genuine monarch of the American skies, "towering in

even a loss of full faith in his scientific trustfulness-like the distrust in democratic institutions once felt by the proud bearers of European eagles. At length, after years of toil aud suffering, he met the unhlenching lord of the lonely woods face to face, and brought him to the ground, thus convincing all cavilers. So we, by facts, have at length compelled the faith of all mankind in the permauence of popular government.

This bird is most worthy of the distinction. Let him surmount the banners of "recoustructed" America! The largest-the graudest of his tribe-he measures from three to four feet in height, and ten feet from tip to tip in expanse of pinion. With au eye of fire, and a rapidity and strength of motion entirely eclipsing that of his hald rival, he shuns even the path and haunts of the hunter, but regards him without fear when met. Sparing the familiars of the civilized homestead, he asks of Providence no aid in the pursuit of prey, but satisfies his wants boldly, from wave or wilderness. Widely continental, as we shall shortly be, but "seeking no foreign alliances," he soars in proud content in the blue vault ahove, or sits in fearless independence upon the snowy pinnacle of some Rocky Mountain peak, or under the shadow of untrodden woods, alone and peculiar in hahit, strength and thought, as we, among the nations. He is the true American Eagle, and alone deserving to sit as the original of Drake's magnificent

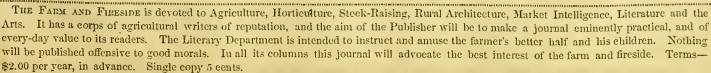
> " Majestic monarch of the cloud, Who rear'st aloft thy regal form To hear the tempest trumping loud, To see the lightning-lances driven When strive the warriors of the storm. And rolls the thunder-drum of heaven Child of the sun I to thee 'tis given To guard the hanner of the free, To hover in the sulphur-smoke, To ward away the battle-stroke, And bid its blendings shine afar, Like rainbows o'er the tide of war, The harbingers of victory 1"

LUXEMBURG, about which Europe has lately heen in so great a turmoil, has, for one of the favorite amusements of its inhabitauts, cat races. Each worthy burgher takes his eat in a bag two miles from town, and at a given sigual they all shake their bags, the eats leap out scared to death, and run home as fast as they can go. The first eat that reaches the town gates is the winner.

ORIGIN OF THE TERM "GRAIN," AS A MEAS-URE OF WEIGHT.-A grain of eorn or wheat, gathered out of the middle of the ear, was the origin of all the weights used in 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 24 equal parts, still called grains-being the least weight uow in use-from which the rest

THE Prairie Farmer states that Dr. Hull has adopted the plan of planting plum trees at stated intervals in his orchards of peach, eherry,

\*So named by Audution. The only specimen shot by that per, as the representative, torsooth, of the his pride of place," ventured to publish its ex- &c., as nearly all the curcumos can be caused by the his pride of place, ventured to publish its ex- &c., as nearly all the curcumos can be caused by the his pride of place, ventured to publish its ex- &c., as nearly all the curcumos can be caused by the per and the pride of place, because the his pride of place, and place is a nonle name. His reward upon them so long as there is any fruit to sting. There are is the per and give it a nonle name. His reward upon them so long as there is any fruit to sting.







## The Stock-Yard.

#### NEAT CATTLE.

Written for the Farm and Fireside, BY JOHN DIMON, POMFRET, CONN.

I PROPOSE giving you two or three chapters on "Neat Cattle." I shall not give you theory simply, (as I fear too many agricultural writers of the present time do), but the real, practical truth, such as I have myself bought of that rather expensive, but, nevertheless, certain teacher, Experience. I like to see every writer understand the subject 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 rural scenes and subjects? I fear too much has hecn written on agricultural subjects-such as stock of different kinds, &c., &c., -by men who know as little about such things practically, as a school boy. Hence the present great objection to book and newspaper farming hy the masses. "Many of your teachings are false, and lead us into expensive mistakes, says uncle Peter Prosperous. But my preface is already too long; so now for the story.

DAIRY Cows .- Select and keep the very best only. A good cow, well kept, is profitable. Poor cows are unprofitable. My own experieuce in selecting cows for dairying or furuishing milk to sell, is to select good wedge-shaped animals, beavy hind quarters and tapering towards the head, with light heads, long faces, and usually small wax-colored horns; also, slim neeks, small tails, capacious udders, running well forward, milk veins large, teats good size, rather long and set well apart. I care not 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 farmers, say those who keep from 20 to 30 masticated and digested by the animal. 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 know to be from a good milking family. By so doing, and by selecting the best only to keep 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 able 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 food. horn. If her hair is soft and silky, I care but little ahout the color of it. I have noticed but little, if auy, difference in the quality of milk, between "Old Brindle" and "Little Red," while the "Roan Cow" makes as good a ealf as either, and 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 through," 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 mcn are rank poison to stock any way; and 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 milking, and be sure to get the last drop iu the udder every time. 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 keep a cow through the Winter after she gets to going down hill, or kill a superior cow on account of her age, if her teeth are good, aud she is all right, without any signs of deterioration. Cows should be milked regularly, and hy steady milkers.

FEEDING COWS AND STORE CATTLE—SUMMER FEED.—If you have pleuty of good pasture, with good living water, that is all sufficient, save salting them regularly, once each week,

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 quarts or so of milk daily through the Summer.

WINTER FEEDING.—Winter no more stock than you can feed liberally, but have nothing 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 feed an occasional fodderiug uncut for variety. Have as many varieties of fodder in the barn as practicable, as all cattle like a change, which is really essential for their health. Feed regularly and liberally. No man can afford to pinch or starve his cattle. Keep no more cattle in Winter, herc, in these our Northern States, than you can house comfortably. I you bave no barn, you should have no cattle. It does not pay to subject them to slow torture at the stack. In my next I will give you my views on Soiling, Stall Feeding, &c., &c.

### COOKING FOOD FOR STOCK.

June, 1867.

Ir renders mouldy hay, straw and cornstalks perfectly sweet and palatable. Animals scem to relish straw taken from a stack, which has been wet and hadly damaged for ordinary usc, and even in any condition, except "dry rot," 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, rye straw, and other hard material, rendering it almost like green, succulent food, and casily

It renders heans and peas agreeable food for horses as well as other animals, and thus enahles the feeder to combine more nitrogenous food in the dict of his animals.

It enables the feeder to turn everything raised into food for his stock, without lessening the value of his manure. Indeed, the manure from steamed food dccomposes more readily, and is therefore more valuable for the same bulk than that made from uncooked

We bave found it to cure incipient heaves in horses, and horses having a cough for several months at pasture, have been cured in two weeks on steamed feed. It has a remarkable effect upon horses with sudden cold, and in constipation. Horses fed upon it seem much 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 appearance of the animal, at once eausing the coat to hecome smooth and of a hrighter color; regulates the digestion, makes the animal more contented and satisfied, enables fattening stock to eat their food with less labor, gives working animals time to eat all that is necessary for them in the intervals of labor; and this is of much importance, especially with horses. It also enables the fceder to fatten animals in onethird less time.

It saves at least one-third of the food. We have found two husbels of cut and cooked hay to satisfy cows as well as three bushels of uneooked hay, and the manure, in the case of the uncooked hay, contained much more fihrous matter unutilized by the animal. This is more particularly the case with horses. The cooking of hay and straw destroys all foul and trouhlesome secds.—E. W. Stewart in American Farmer.

work on the farm for horses is breaking up ture of different kinds will answer the purpose. sod, which certainly is not one-eighth of the A little sweet hay should now be given. whole work. Light horses, weighing 1,100 or would be to bave a salting trough under cover, coach horse will do one-fourth more than a but by adding a little at a time, and increasing earlier.

and accessible to the stock every day. Be heavy draft horse. Besides, it costs much more it gradually, they will soon drink it. It must sure to have plenty of fodder-corn for the to keep the heavy horse, and on sandy, or wet be borne in mind that all changes should be cows, as soon as the pasture feed begins to soil, he sinks so much as to worry him. For gradual, as there is much danger of hringing fail. If you have old cows that are good for all uses which the farmer has for horses, the on the scours. mcdium sized or coach borses are the best .-Cor. Rural New Yorker.

#### 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 cases, the farmer thinks it won't pay to spend his time in looking after such matters, and they are placed in charge of boys; and morning aud evening these youngsters may be seen provided with a pail, and armed with a stout stick with which to belabor the poor animals if they manifest 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 they go on, with perhaps a surplus one day and starvation the next, for a few weeks, when they are turned out to take their not unusual, the owner at once concludes that keeps first-class stock, he, of course, pronouuces the whole thing a humbug, and reckous all Summer to get ready to grow again. If ter, and then fill the ranks of the bony cows and unruly steers which are the pests of highways. In looking around us at this season, many of our farms.

That the profitable raising of ealves on dairy trouble, there is no doubt; but on ordinary able raising of good calves.

The course I recommend is the following: Take the calf from the cow when two or three days old, and teach it to drink new milk. I 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 leaving the calf with the cow for a day or two, which I think 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 henefit while she remains contented, with the calf by her side, than if her young is taken away from her, and she is further weakened by bawling herself nearly to death, before she has in some measure regained her strength. And as regards the calf, I find less trouble in teaching it to drink when two or three days old than if

As soon as it will drink milk readily, or when 10 or 12 days old, part skim milk may be added, first warming it sufficiently, with the addition of a small handful of sifted meal, harvest. stirring it while drinking; the skim milk may be gradually increased and the new milk diminished 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 BEST HORSES FOR FARM USE.—The hardest skim milk alone; any kiud of meal, or a mix-

1,200, are hest for most of the other work; sour milk may be added, and gradually in sowing till some time in June. Then sow in a they are hest on the road, and hefore the har- creased until the whole feed may consist of rich, moist soil, and give them a rapid growth, if you are located back from the sea or salt row, (not before the mower and reaper, we sour milk. Some calves drink it readily the and they will be much surer to cook tender water. Perhaps a hetter way still for salting, think.) At cross-plowing and harrowing a first time, others require considerable coaxing, and be freer from woody fibre, than if sown

Feed milk regularly, twice a day until four months old, when once a day will be sufficient, or, if necessary, they may be weaned entirely; hut continue to feed liherally with meal, as every peck fed the first year will be equal to a bushel at any subsequent time. The feeding of the calves should uot be left entirely to the boys, but they should be carefully watched, as it is very important that calves should be well fed and cared for during the first year of their lives, if we would make them profitable in the end.—Correspondent of the Canada Farmer.

### Farming Miscellany.

#### CULTIVATION OF HOPS.

Professor 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, at such distances apart as it is intended to cbance. In the Winter they take their chance plant the viues; and at longer distauces—usuagain at the straw stack. If they die, as is ally about 20 to 25 yards—light poles are erected with a height of from 12 to 15 feet above the stock raising does not pay; or if he happens surface, so that there are parallel lines all over to have patronized an agricultural society that 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, they will get no more of his money. If they from 12 to 15 feet high, cross these at right manage to live through the Winter, it will take angles, and at from 20 to 25 yards apart. A stout wire is stretched horizontally from pole to tough enough, they may staud it another Win- pole all over the ground, while vertical wires or light ropes, made of any suitable material, are attached to the pegs and carried up and fastened to the borizontal wires, thus offering we see the sad effects of such treatment in the a steady support to the hop vines during the appearance of hundreds of poor animals on period of growth. At harvest time the ropes are detached and carried to the picking stage with the vines, and the field eleared for the farms will he attended with some considerable usual tillage operations without the expense of shifting, stacking and resetting the poles. farms, where, as on the great majority of This plan has heen carried out during several farms in this country, only a limited number seasons at Belle, and has been introduced inof cows is kept for the purpose of making to Wurtemhurg, Baden, Bavaria aud other hophutter, there exists no difficulty in the profit- producing countries, with satisfactory results.

### FARM PROVERBS.

- 1. Use diligence, industry, integrity, and proper improvement of time to make farming
- 2. Choose a farm with a soil either naturally 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 possihle, no matter how rich your land may he naturally.
- 5. A good and tolerably fast team; better smart than large.
- 6. Your farming implements well made, of good material, 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
- 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.

BEETS for Summer use should be sown as early as the weather will permit, but such heets When the calf is about 4 weeks old, a little are not fit for Winter use. For such use, delay



ARTIFICIAL TRETH, EYES AND EARS.—In the Paris Exposition the Americans, in the department of dentistry, are beyond all competition. The display of artificial teeth, the perfect imitation of nature in gums and palate are wonderful. But the French are equally great in artificial eyes and ears. The eyes are life itself. They not only supply an eye that is lost, but cover a shrunken or injured eye-ball with a sbell that perfectly matches the other eye. The ears of delicately rosy gutta-percha are very pretty. If one has an ear cut off, bitten off, frozen off, or eaten away, here is a light and elegant substitute. It is said that ladies with large ears cover them up with their hair, natural or acquired, and annex these pretty little artificial ears, of course with handsome ear-rings.





#### THE FARMER-BOY.

As the sun rises he goes to the field,-Breakfast is had by the light of a candle, With a rake of his own and a fork so small, His hoyish strength can bend its handle.

With him the grown men go to their toll: Merry and mighty they swing their steel; The nodding clover falls before, And stricken curls 'neath their conqu'ring heel.

Waiting till damp swaths grow as they go Watching the sheen of the whistling blades, the scatters the clots of glistening grass, And bids the sun to its cool, green shades,

Through the bright hours of early morn His brown face glowing with healthy flushes, He tolls till the mowers drop their scyt hes, And pause for lunch in some shadowing husies.

Gay as the sparrow that chirps near by, He eats his share of the wholesome food; And drinks from the jug a long sweet draught Of water fresh from the spring In the wood.

Up again in the mowers' track, Striving to catch the one who leads him, He fills the air with a verdant cloud That follows him, drowns him, and precedes him.

Shrilly the locust makes his plaint; Screams the fierce king-fisher seeking the brook, The lambs on the distant bill-side bleat, And a cat-hird mews in his shady nook.

But the farmer-boy follows his fragrant way, Heedless of voices not strange to his ear. And scatters the grass, and wonders, the while, If humbie-hees' nests are plenty this year.

But bark! from the hill where the white flocks feed, Comes back an echo he's listened for long; The dinner-horn sounds, and the mowers cease And gladly he joins the hungry throng.

Back from the house he rides in the cart, Gee-ing and haw-ing the sluggish team, As they pause to pant and cool their sides Midway in a shallow, habbling stream.

The field is reached and the work hegins; One man "pitches," another man "stows;" While the farmer-hoy handles his little rake, And gathers the scattered locks as he goes.

High on the load to the harn he rides, Climbs to the mow and is soon at work, Treading the upheaved masses down, And stowing them close with his trusty fork.

Back to the field again and again, Working fast; for a cloud 's in the West That threatens rain no long time hence, And father reckons this hay his hest.

Thus all day long, o'er shaven knolls Spreading the hay or "raking after;" Riding the cart to the brown old harn, And stowing its load 'neath the lofty rafter.

The farmer-hoy toils till his hands grow hard. And his cheeks are roughened with various weather But his heart is light, and Peace and be Sleep through the quiet night together.

### General Miscellany.

### THE FARM LABORER.

WE favor our readers with another racy pensketch from Lackland's new hook:

Much of the farmer's help at the present time is made up of Irish laborers-tbe unadulterated, unqualified bog-trotters of their native land. Yet they bave not altogether crowded Yankec laborers out of the field; they bave bardly more than stepped into the vacancies created hy the western fever that has carried so many off. Our farmers can do no better than to hire them. Now and then one turns up a prize, but the hnlk of them would as soon plant their potatocs in pits on the day tbcy bandle their 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 over that part of bis body ornamented with his tail.

The life of the native hired man, drudging and wearisome as it looks to the eareless observer, is still full of hope and houyancy. He is not the friendless, melancholy, pitiful creathre you may take bim for. While he sits there in the chimney corner of the old kitchen, telling stories to the boys in a low tone, so as not to be overbeard, the honest hlaze of the demands of the market, to gather information fire shining ont over bis bronzed face, be is as much a king and lord as the man of the acres is offered for sale and the prices of the same, bed in his stocking feet with the certainty of tries where it may be deemed necessary.

sleeping as soundly as the house-dog before the fire. Possibly be thinks of home; but it only makes him more determined and resolute to work out, some how, a home of his own.

The hired man's life with our Nothern farmers is but an apprenticeship, Some of them emerge from it to pass to the dignity of proprietorship; while a great many more continue 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; laboring one season in this place and another season in that; now laying hy a trifle, and now saving scarce a penny; good-natured and trnstful, generally; as dry and smoky as the soot that collects about their favorite chimneycorners; troubling themselves nowise with care or ambition; as full of gossip as old ladies over their fragrant Oolong decoctions and addicted to a garrulousness that, to all the children where they g , is as delightful as a new story-hook. Bachelors they live, and bachelors they die; and, as a matter of course, living but half their natural days.

Odd sticks in the bundle they are, incapable of heing either tied up or assorted. Needful to the farmer, yet profitless, so far as results reach, to themselves. A happy, hard-working, necessary, favorite class of men.

### HAY MAKING.

There is annually so much good grass mercilessly manslaughtered in making it into hay, that it becomes the dnty of every publisher, editor and agricultural writer in the land, happening to have a better practical knowledge of hay making, to begin with the hay season, preaching as earnestly as they can at every opportunity, better principles, until a radical reform in much of our bay making practice shall

As clover usually comes first in the rontine of haying, and the season for putting mowers afield 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 the swath, as much as can he done in five or six hours of clear, drying weather, then, twenty-four bonrs more in small cocks, sheltering from dew and rain, and haul in and put away with the leaves still green, wilted but not in the least crisped or blackened by the sun,

The other grasses are best cut when the stalks and foliage have attained full growth and the seeds are entirely developed, but still in a milky state. Like clover, they should be cocked this month, it does not meet our assent. after a few honrs' sun curing, finished off in the cock, cured but not in the least crisped, and hauled in while still green in color, elastie and possessed of all the inviting aroma of "new mown hay." If the foundation of bays and and then in stacking or stowing away a layer of clean, dry straw, say six inches in depth, is placed every two feet between the courses of will be the result. - Cosmo, in Saturday Evening large or small.

The Convention of farmers at Alexandria, Va., passed resolutions to urge upon the land owners of Virginia the advantage to themsclves and to the State, of subdividing their lands into tracts of such size as will meet the of the location, soil and character of the lands mind, hut can take his candle and go off to etities of the United States and in foreign conn-

#### THE DOUBLE COCOA NUT OF THE SEY-CHELLES ISLAND.

Found only in two small Islands lying 300 miles northeast of Madagascar. The old French found the large nuts floating on the sea. They called it "Coeo de mer," as not knowing any tree which hore them, they supposed it to be a product of the Ocean. In Islands where polygamy prevailed, the nuts, for their restorative properties brought most fabulous prices. In 1742 these Islands were discovered. Large forests of these trees were then found. One hundred years it requires for its full growth,no one knows how long they last. The common cocoa nut bends to every gale, hut this stands erect under all the most terrible hurricanes of the tropics.

At thirty years of age the female blossom appear. It is merely the germ of the nut, and very minnte. The female tree never grows hy 20 feet, so large as the male. The male flower is an enormous catkin 3 feet long, hy three feet wide. A single catkin produces a succession of stumens for eight or ten years. The weight of the fruit is enormous. Eleven nuts have been connted on one stalk, each nut 40 lbs. Four or five is the average number on a stalk. It is ten years after the flowers open, before the fruit matures; four years hefore the embryo fruit reaches its full size. The nut is ahout 18 inches long, heart shape, with two separate compartments enveloped like the cocoa-nut in fihre.

The hase of the trnnk is of a bulbous form. This bulb fits into a natural bowl, about 21 feet in diameter, and 18 inches deep, narrowing towards the bottom. The bowl is perforated with hundreds of small boles, through which the roots penetrate to the earth. The bowl is of the same substance as the nut, and is believed never rots or wears out. Fire, and the enormons price of the nuts, which for their sake, canses many a fine tree to be cut down, will soon cause this remarkable palm to be entirely extinct.

### 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 sbortening in the rapidly growing branches it produces fruit spurs for the following year, and brings the trees into any desired form. Second, when larger limbs are removed, the wound for Central Asia. The geographical range of instead of leaving a bare, protruding and decaying stump, beautifully heals up, making a sound amputation.

The period when the prnning should he done is one of prime importance. We see June recommended, while the trees are in their full first growth. Without having experimented, and looking to the condition of the trees, iu

We do not helieve that it is advisable to prune before the first growth of the season is eompleted, because of the immaturity of the wood, which must produce in the second growth less vigorous shoots, besides losing, to stacks are made well up clear of the ground, a large extent, the yield of fruit the succeeding affording full and free ventilation underneath, year, which is snre to follow jndicious shortening in a later period.

In our jndgment "Summer pruning" should take place hetween the fifteenth of July and hay, there will be no danger of clover or any tenth of August-a period when the sap is quiother kind of grass heating, moulding or rot- escent and nature is resting awhile from her mountainous regions of Java and those of India ting, though put away a great deal greener than lahors. We speak from our own knowledge of is the general practice, and infinitely better hay the value of midsnmmer prnning of trees,

> THE wool clip in the United States iu 1866, amounted to 136,000,000 pounds. It is estimated that there are in the United States 1,600 woolen mills, containing 6,000 sets of carding machines, with the capacity of manufacturing 170,000,000 pounds of clean material.

"Do you believe in the appearance of spirits, father?" asked a rather fast young man of his inwho hires him. He keeps no cares on his and also to establish agencies in the leading dulgent sire. "No, Tom, but I believe in their South. A moderate temperature and a moist disappearance, since I missed my bottle of bourbon last night," said the old gentleman.

#### WHEAT HARVESTING

To the Editors of the Farm and Fireside:

As barvest time draws near, I will give you my views about cutting wheat-hoping other farmers will send in their experience.

The time of wheat-harvest must be determined by the condition of the grain. I believe in cutting before the crop is fully ripe. As soon as the grains have passed "the milky state"—that is, as soon as the inner part has hecome firm, hut is still soft enough to yield to the thumb-nail, when pressed into it; the crop is then at its greatest value. The straw is then of a greenish yellow, and there is still a green tinge about the head. If wheat, in this state, is allowed to stand two or three days, the straw and head assume a brown appearance the grain is dead ripe. If delayed after this period, both grain and straw are less valuable. A portion of the starch of the grain has been converted into bran; and, according to the testimony of the hest millers, it will not make as much, or so good flonr as that which is ent earlier. This is my experience in growing wheat for thirty-five years. Cut wheat just before it is fully ripe, and you will have the hest of grain; more albuminous matter, more nutritions hread, and also save from five to ten per cent, (often more,) than in allowing your wheat to become dead ripe.

Avoid exposure to rains; it has an injurious effect on both grain and straw. The dark color of much flonr is owing to allowing the grain to remain too long in the field. At the same 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 snfficiently dry-otherwise expect moulding and heating of the grain. R. W. G.

Towanda, Pa.

### PERUVIAN BARK.

THE greatest boon which the vegetable world has supplied to man, for the cure of periodical fevers and other painful diseases, is found in the Peruvian, once called Jesuit's bark. No other fehrifuge is comparable to this one. Until of late years the only bome of the tree or shrnh - called botanically Cinchona - which yields it, is in the mountainons regions of Sonth America, and chiefly in Peru, Quito and Bolivia. Now, however, a congenial home bas been found for the cinchona on the mountains this tree in America is from nine degrees south latitude to ten degrees north, following in this 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 which furnish the hark of commerce grow at varions elevations upon the Andes, seldom at less than 4000 feet above the sea, and, of conrse, at a less temperature than that of the tropical plains below. The active principles of the Pernyian hark are the alkaloids quinia or quinine, and cinchonia or cinchonine. The first of these is the one obtained in the largest proportion, and the most generally used.

Through the efforts of the Dntch in Java and the English in India, large plantations of cinchona have grown up from trees and seeds hrought from South America. The product of the bark, in quinine and einebonine, is equal and Ceylon, at elevations varying from 5000 to 7450 feet above the sea, are selected for the cultivation of the einchona tree. The question is, therefore, now settled of the productiveness of the transplanted trees, and of the trade in Pernyian 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 American Medical Association, to have the Cinchona tree planted in some part of the United States, in which it might be grown with success. Such spots could be found at a certain elevation in the Rocky Mountains, far air, in low latitudes, are prime conditions for the growth of the Cinchona.



NEGLECTS DESTROY FARM PROFITS.—By neglecting to lock the stable door, the horse was stolen; hy leaving a lot of old ruhbish in the barn yard, one cold broke his leg, and another got a nail in his foot; by neglecting to spend half an bour in battening up the sheepfold, a pair of twin lambs froze to death; hy earelessly tying the ball, the ox was gored and died; by neglecting to kill the ticks on the sheep, and lice on the cattle, the sheep became poor, shed their wool, gave no milk, and the lambs died, and a fine stock of cattle, in fine condition when they came to stall, lost all their flesh before Spring; some were helped up by the tail and survived, while others were snaked off hy the neck, a sort of retributive justice to their owners; always attached in some way to human transgression.—Vermont Farmer.







### Field and Garden.

OUR BEST GARDEN VEGETABLES.

Written for the Farm and Fireside, BY J. F. WOLFINGER, MILTON, PA.

In 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, cucumhers, endives, onions, parsnips, peas, radishes, lettuce, &c. But the use of some of these is of hut short duratiou, while others are only occasionally used in our Winter seasons, and theu rather as a rarity or mere change of food, than for any great inhereut 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 entire year. And the four garden vegetables that do this to the best advantage consist of the potato, cahhage, heans and tomatoes. And our reasons for this oninion are hriefly these, viz: Potatoes supply in a very great measure the place of hread, while heans, in their turn, supply the place of meat—our two most essential articles of human food. This is so evidently and confessedly true of the potato that 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 of meat, here it is-read it carefully. Von Ther, 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 animal matter, and is quite as nutritious as gluten, as it constitutes the predominating ingredient in vegetables, and they are more nourishing than cereals. It has long been known that lentils, peas and heans not only satisfy huuger, but are more easy of digestion, and have a greater tendency to strengthen the human frame than other vegetable products. To the healthy lahorer they supply the place of animal food, and yield that nutriment of which rye and potatoes are incapable. With us they are absolute 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 analysis tend to prove that legumes are the most nourishing part of the vegetable 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 for drying for Winter use, both shelled 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 cahbage is highly prized as a food among all sailors and others who spend their time on the sca. And I am sure I need say nothing 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 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 should 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 also be very useful in their season. And to supply of currants, and a moderate supply of 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

and coated over with cream and sugar. And the strawberry stands still bigher in the estimation of many, while the well-ripened raspherry, hlackberry, gooseherry and cranherry are very little heliud our currants and strawherries in point of culmary excellence. Aud so be should not forget raising himself full supplies of grapes to be used and eaten just as these other small fruits are. And now when we consider the refreshing coolness of the juices of these small fruits and their rich and delicious flavor of uicely intermixed sweet aud sour, and also their nutriciousuess and great health-producing qualities during our excessively bot and oppressive Summer and Autumnal weather, and also bow easily and cheaply they can he raised, is it not astonishing 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 out-lots acts very unwisely for his own good as well as that of his family. June, 1867.

### TALK ON WORK, HEAT AND HEALTH.

Workers in the fields—strong men and sturdy hoys, toiling heucath a hlazing sun, and cxposed to raiu and chill-let's have a talk together ahout work and health. Not a fussy talk, 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 sense. (Common seuse, by the way, is rather uncommon.)

There's a good deal of work to be done in the six months ahead that can't be got round, or pushed aside, unless you like sheriffs 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 awful hot days, with hurning sun and sultry air, "muggy," as they used to say 'down East," Thunder storms will come up sudden, wetting you to the skin, and with raw winds that check perspiration sooner thau is healthy; and a damp, chill day now and then, in hetween these scorchers, to say nothing soil. of fogs and dews. But this work is to he put through, hlow bigh or low, and it's a good plan to start and go on in such fashion as to hold out strong and come through sound and bright.

It may be well to "take an account of stock," as merchants say,—we mean stock of bone and muscle, and nerve, aud will-power. Every sensible man knows about what he can do, and not break or weaken his powers; settle that, and then don't over-do. Many a man (and more boys) just wrecks himself needlessly in ten minutes, and is uever the man again he was before. When you feel you are up to your highest mark, stop; and stop hefore you get 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, be'll send a hot shaft right through you. Don't be careless or and were therefore fresh and right when the sharp work was to he done.

heat is going through, take to the shade without ject to the demands of the subsequent crop. any foolish shame, for the hardiest sometimes The farmer, whose stubble field last Fall, was falter, and far hetter one hour's care than covered with a heavy crop of ragweed, which mouths or years of weakness from sun-stroke he suffered to ripen and stand exposed to the other garden vegetables already named will firm will, for that has great power over the faiut idea of how much bis coru crop of this body, and keep the system in a positive condi- Summer will lose by his neglecting to turn his these, he should, by all means, add a pleutiful tion, with an overplus of vital force to meet ragweed under while it was in bloom. and master heat, or cold, or work, by rational care in your hahits: but, when you feel that ing under, and, if plowed in when in the vigor the vital forces are too weak, or too much of its growth, is probably the best; but almost taxed, yield for the moment and recuperate.

their plants strong, healthy and productive. ginger and sugar or molasses is good in your for fallows. If we turn under the first crop it the value of her milk.

For currants, hoth in their green and in their water. Home-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 June—a time when the corn crop demands all also a very dainty and pleasant dish when ripe shape, gets up too much fever, too high pres- the force usually available on the farm. If sure and makes the hoiler hurst. We've the second crop he used it furnishes less greeu worked in hay fields when sealing wax would material than the first, and is dryer, harder he soft as putty, and stowed away hay under and decomposes more slowly, and furnishes the barn roof where it was hotter than any spot on this earth, and went through it without the ardent.

Beware of getting hot and tired and standing in a chill draft of air, especially if it comes on your hack. That heat and work has lessened any protection, during the long, bot months your vitality, and put you in negative condition, so that outer forces control you easier, perspiration is checked and sad mischief done before you think. Keep your face to the wind when you stop to rest, for the resistant vital 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 rush out to your work, but get a little rested, then cat moderately, yet enough, and go to come often from eating full meals with the system overtaxed and heated, and no vital power left for digestiou. 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 this black coffee, or rack the nerves like strong tea.

Meat has more stimulus than hread, and a share of this is well, hut not in excess. Eat meat, vegetables, fruits, &c., and drink moderately. Keep the system open and all evacuations easy and natural, and save fevers and congestions. Take less meat in very hot weather. Judge for yourselves, hut keep all firm, and trim, and cool, and open, in the interual department, and you'll be fit for a good, long pull.

Bathe often, but never when hot or tired. At night a hand-hath all over, if not too tired, and in the morning you are fresh, and it is always safe. It helps greatly through the heated sea-

All this, and much more in the same way that you will all think of, can be doue, and avoided, sensibly, quietly, and without fidgeting, 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, ou the cool edge of next winter's snow hanks.

### PLOWING IN GREEN CROPS.

THE careful farmer, who understands the science of his business, will not only prepare the soil so as to give it the highest capacity for absorbing ammonia and carbonic acid from there, save in rare emergencies. It's well to the air, but he will furnish those indispensable articles of plant food for the use of his growing crops, from every available source. A very effectual method of doing this is the plowing in of green crops. Growing vegetables contain a larger proportion of nitrogenized elements than is found in them after they have foolhardy, that's all. The "boys in blue" all fully matured and ripencd. These, when say that the hest soldiers took no useless risks, turned under in the green state, are rapidly converted into carbonic acid, water and ammonia, and these heing disengaged under the If you have a feeling come over you that the earth, are absorbed by the soil, and held sub--coup de soleil, as the French say. Keep a storms of the Wiuter and Spring, has but a

Clover is the crop commonly used for turnany thick coat of growing vegetation will serve Don't drink too much, no matter what it is, a good purpose, if deeply turned under. There

will require to be done about the middle of proportionally less ammonia to the soil.

If the farmer, bowever, mauages to spare the labor from the corn field to plow in the June crop of clover, his naked field must be exposed to the direct rays of the sun without of Summer. The damages from this exposure will nearly offset the advantages of the green dressing.

From this cause, a Fall crop, if it he hut weeds, should always he preferred for plowing forces emanate from the front more than the in, whether the ground is to he sowed in wheat or planted in corn the next Spring.

In plowing in green crops, care should be taken to have the vegetable matter well covercd. Indeed the crop should be turned under so deep that if corn be raised on it the folwork fresh. Dyspepsia and its kindred horrors lowing year, the vegetable matter will not be disturbed by the cultivator.

### ALSIKE OR SWEDISH CLOVER.

WE desire to call the attention of the farmers and hee-keepers to this new variety of clover. Probably but very few have seen it, and perhaps 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 the "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, with a somewhat moist bottom. Alsike clover has obtained its name from the parish of Alsike, in Upland, where it was first discovered, and where it grows in greatest abundance in every field ditch. Besides 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 species of clover is consequently native to our country, and proves itself, both here and in the border countries, to he a bardy plant, especially adapted to cultivation in our rigorous climate.

Mr. Samuel Waguer of Washington, D. C., claims the credit of having first brought to notice in this country the Alsike clover. He has had a few years' experience with it, and has given some account of it in the Bee Journal. Hc 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 equally 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 experience "that on lime slate land, when the abundauce of small stoues still remaining on the surface prevents close mowing, an acre of growing 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 Agriculture, has tested this variety of clover 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 for 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 unlooked-for volume of the wave of immigratiou which has rolled over that region during the last balf-year. 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 ground, and amply repay him for all the ma- but rather a little, often, and slow, rinsing the is an inconvenience, or perhaps two of them, he had not an interior fence. He believed the nure and lahor he bestows upon them to make mouth well. Be careful about ice-water. Some attending the use of clover as a green dressing value of the manure from a cow to be equal to



BLACK KNOT.—The editor of the Practical Entomologist, B. D. Walsh, in investigating the subject of black knot, has arrived at the conclusion, from his own investigations, and those of others, that the fungus which forms the black knot on the plum is entirely different from that which infests the cherry. He adduces observations showing that there are more than one kind of fungus growing on the cherry; one kind originating on the wild cherry, and spreading to the cultivated cherry, and another kind growing on the 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.







## Farm and Pireside.

G. W. AND S. S. FOSS, EDITORS.

SATURDAY, JUNE 29, 1867.

AGBIOULTURE feeds us; to a great extent it clothes us; without it we could not have manufactures, and should not have commerce. These all stand together like pillars in a cluster—the largest in the center, and that largest is Agriculture.—DANIEL WEBSTER.

#### TO SIX MONTHS' SUBSCRIBERS.

ALL persons who subscribed for slx months only, to the FARM AND FIRESIDE, must renew their subsriptions before July 1st, otherwise their papers will be discontinued.

#### CULTIVATION OF CORN.

In many sections of the country there is no improvement in the cultivation of corn-a erop twice the value of any other cereal, and which, in 1866, yielded 867,946,295 bushels; the cash value being \$591,666,293,\* Enormons as these fignres are, and important as this crop is to the American people, we make but small progress in improved culture. The old style of hilling up, when cultivating, exists in many sections, especially in the Middle and Eastern States. This fashion of making eonical hills originated, perhaps, with the Indians; they had no implements snitable to enltivate the plant, and so scratched or heaped the earth around it. Improved implements in agriculture generally introduce improved cul- bountiful crop. tnre; and, instead of following aboriginal customs we should study the natural habits of the plant, and if we do this we shall find that eorn wants a flat surface of soil to grow in. On light, loamy soil this is inevitably true. If you "hill up," as is frequently the ease, you are aiding the drought; for this hilling up inereases the acrification and destroys moisture. Again, in hoeing time, by adding fresh earth on top of the high, conical hill, you invite fresh roots from the parent stalk, which is a detriment to those first formed. These hills also shed the rain from showers, which eorn generally wants in mid-Summer.

The advantage of level eutture is also proved by the fact that corn roots extend over a large surface—reaching out for food from one row to the roots of the next row. While the leaves are drinking oxygen, the roots are stretching out their delieute tendrils for the mineral elements of the soil. Then, it is selfevident that they can reach such food more ridges. "Hilling up corn" is thought to be should not be planted on such soils. But even our observation, but little fruit worth eating on land of this description, we would not tolerate hills. Some farmers advocate the hilling system because it is supposed it prevents it from being blown down by high winds. Experience satisfies us that hills are not safegnards. Strong, well-developed roots, on level surface, will hold up the stalks against ordinary storms much better than if in hills,

In cultivating, use a light plough or cultivator-running through both ways. If the ground is wet and heavy, wait. Nothing is gained by ploughing or hoeing a wet soil. You eannot kill weeds then, nor can the soil be made mellow and friable. In dry weather, keep ploughs, cultivators and even hand-hoes in operation. We believe in cultivating corn at least three times; keeping the surface stirred and free from weeds and grass. By this means the air and solar heat penetrate the soil as deeply as it is ploughed or broken up; the biting the importation of cattle from Europe, roots extend in all directions, feeding on the earbonie acid earried into the soil and on the soluble minerals which abound in fertility. When to cease enlivating corn, we never learned; believing that as long as there are weeds and grass to be eradicated, we ought to keep the soil mellow and friable. Corn, as we learn by analysis, requires food until the last of September; yet great eare must be taken not to injure the roots by cultivation the latter part of the season. Better and more thorough eultivation is what the eorn plant requires. Cultivation does not ereate fertility; but it adds immensely to the production of this cereal.

\* Agricultural Report for April.

#### INDUCEMENTS TO CLUBS.

THE second half yearly volume of the FARM AND FIRESIDE will commence on Saturday, July 13th. To any person who will send us \$3, we will send four copies for the remainder of the year; or six copies for \$4. 50; or ten copies for \$7. 00. Please send in your orders at once

We appeal to the farmers, horticulturists and lovers of rural affairs in Rhode Island and adjoining States, to give the FARM AND FIRESIDE a more generous support. It needs it. We are doing what we can to aid these classes, and we think we have good claim to ask their patronage.

#### THE CROPS.

WE continue to receive favorable reports from our correspondents in all sections of the eountry, relative to the growing crops. Wheat, which furnishes our hungry millions with bread, seems to engross the attention of all classes, and the crop now ready for the harvest must be immense. No solicitude need be felt in regard to this important cereal-there will be enough to supply us with flour at reasonable prices, and with a large surplus for exportation. This is "good news" for everybody; because for two successive years this erop has been light; again, because much of prosperity, individual and national, depends on a good wheat crop. There are probably some sections where unfavorable conditions of the soil, or of the weather may have blasted the prospects of the husbandman; but take the country together, North, East, South and West, we can safely count on a large and

The reports of oats, barley and rye are also favorable. Corn is very late, but with hot, dry weather in July and Angust, we may have an average crop. Grass, in nearly all the Middle and Northern States, will net a larger return of hay than for several years past. Potatoes look remarkably well. Frnit, from present advices, will be rather more than an average erop. The weather is said to have exercise as well as natural food. been somewhat unfavorable to eotton, especially the early part of the season; but reports from the great eotton-growing districts enable ns to predict a crop of about three million bales. This will materially improve the prospects of the South, and become the basis of renewed prosperity. Looking at the aggregate of all crops, at this period, we must acknowledge that the agricultural prospects are propitious.

### FRUIT PROSPECTS.

The pleasant prospect of a large erop of easily on a level surface than from hills and beherries in this vicinity has been cut off. For some eause the cherries have blasted, and on a beneficial on wet or moist land; but corn imajority of the trees which have come under remains.

The large promise of apples and pears will not be realized in this section of country .-There will be, perhaps, about an average erop.

Of Strawberries, which are now in the luseiousness of their prime, there is an abundance, and prices are lower than the average for several years.

Concerning grapes, it is too carly to give a safe opinion, but they look promising.

THE CATTLE DISEASE is again increasing its ravages in England; upwards of one hundred animals were attacked last week. The London Times says that "notwithstanding the legal precantions to prevent its spreading, the plague is on the increase.

Our Government has instructed collectors of Customs to enforce stringently the law prohifor the present.

Sheep in Texas.-A correspondent of a rnral exchange says the sheep business is over-Wool low, with dull sales.

The newspapers of South Carolina and Georgia state that the Sea Island eotton erop will be a very profitable one.

very destructive.

#### SPIRIT OF THE AGRICULTURAL PRESS.

In an interesting article on forage plants, the 'Farmers' Home Jonrnal," of Lexington, Kentucky, states the origin of Blue Grass-so celebrated in the grazing sections of the Southwest. Heretofore we have never found a satisfactory account of the origin of this grass; although we had concluded it was not indigenons, but was of English origin. The Journal says: "in the party accompanying Daniel Boon to Kentucky, in 1769, was an Englishman and his wife. The latter had tied up in the corner of her handkerchief some seed which she had brought from England. Loeating at Boonsboro', the wife planted these seed (which were Blue Grass seed) in their garden. It increased so rapidly that she pulled it up and threw it into a neighboring lot; there it took root and flonrished." Such is the asserted origin of this celebrated forage grass,

A correspondent of the "American Farmer," of Rochester, N. Y., says garget, or inflammation of the udder, can be eured in twenty-four hours by administering half a teaspoonful of tincture of iron in a little ground feed. This disease is often treated with warm poultices, but rarely effectively. Try the tineture of

The "Wisconsin Farmer," of Madison, recommends soiling cows in Summer, as the lands in that State are light and porous, not forming a good grazing sod. Soiling eattle has generally been confined to the Eastern States, especially near cities, where milk is the principal object. If grazing on the open prairies of the West and Northwest is not profitable, we fear that soiling will not pay on an extensive seale. Cows, like all domestie animals, want

The "Utica Herald," in an article on the cheese market, represents business dull, with priecs inclining downward. The average price of factory cheese at Little Falls, N. Y., is 11 to 14 cents. This is about half what it is retailed at throughout the country. Who makes the large profit? If first-class factory cheese ean be sold in the interior of New York for 14 eents a pound, there is no reason for selling it at 25 to 28 cts. - about the average price at retail.

"Colman's Rural World," of St. Lonis, says the past year was a severe one for bees-probably the worst for twenty years. The season was too eold and wet for the bees to make or store much honey. The Italian bees were more sneeessful than the native.

A correspondent of the "Iowa Homestead," DesMoines, addresses a long letter to the wool growers of Iowa. He says the wool of that State sells at a very low price; not because of its inferior quality, but "on account of its being so poorly prepared for market." He says it is imperfeetly washed, the fleeces are badly packed and not properly baled. Present prices of wool in Iowa, 30 to 35 cents a pound.

The "Country Gentleman," Albany, has an article on the "Effects of Winter" on fruit in Western New York. The fruit buds of the plnm, cherry, and some of the more delicate pears, were killed or greatly injured. Of blackberries, it pronounces the Kittatiny and New Rochelle, the most hardy—the former standing the extreme severity of last Winter remark-

Brother Tneker, of the "Country Gentleman," Albany, N. Y., winds up his sketch of about twenty-five different points; the decision a trip to Ohio and Kentucky with an account done in Texas. He states that good flocks of of J. T. Warder's farm near Springfield, the sheep can be purchased for one dollar per head. former State. This farm comprises 600 acres. Blue grass flourishes there, affording the finest pasturage imaginable. The only rotation followed is turning the sod, planting one erop of eorn, then seeding down to grass. The average eork, a non-eonductor of heat. The atmosyield of eorn is sixty bushels per aere; wheat phere is forced through the car from chambers twenty bushels, though occasionally reaching at both ends, keeping up a constant circulation The weevil has made its appearance in the thirty-five. Mr. Warder makes a specialty of of cold air. The advantages of earrying beef wheat fields of Virginia, and its ravages are mules, frequently wintering from two hundred in preference to live stock, to market, if the to three hundred and fifty head. These are beef ean be kept pure, are apparent.

fed principally on eorn and eorn fodder. The mules are sold when three years of age-the price last year averaging \$150 each.

The "Maine Farmer" nrges that in plow trials the kind of soil which is to be used in the trials should be announced before hand. A rocky upland soil and a rough meadow are different things, and demand different treatment. The same implement should not be expeeted to perform all kinds of work. A eorrespondent of the "Rural New Yorker," now at the Paris Exposition, writes that "the Americans cannot compete with the English either in plows, teams or plowmen-all neeessary elements in a plowing match. This will be perfectly understood and acknowledged by all who have seen England, and taken the least notice of plowing there, but will not be by those who have not. I do not contend that the time and force expended by the English plowman is any more remunerative than with ns, but when you come to the doing of a nice job, sneh as is expected at a plowing match, we cannot come up to their ordinary work. However bitter this pill may be to some of our "crack" plowmen, plowmakers and horsemen, they had better take it and it will do them a vast deal of good."

The "New England Farmer" urges the harvesting of small grains before fully ripe. Some years ago attention was directed to this subect by experiments made by John Hannam of North Deighton, England. It is claimed that there is a gain in weight of gross produce, 13 1-5 per eent.; in weight of equal measures, nearly 1-2 per cent.; in weight of equal number of grains, nearly 2 1-5 per cent.; in quality and value, 3 1-4 per cent.; in weight of straw, more than 5 per cent. In the harvest which will soon take place, there will be opportunity for every farmer to test the question for himself, by eutting a portion of his grain at that moment when the kernel or berry is fully formed, but so soft that when he squeezes it between his thumb nails he can reduce it to a pulp, and notice a slightly milky juice in the mashed mass. Then leave a portion of the grain standing ten or twelve days later, and upon threshing, eleaning up, grinding and nsing, earefully compare the results.

DEATH OF COMMISSIONER NEWTON. - The agricultural interest of this nation has lost one of its best friends and advocates. Hon. Isaac Newton, Commissioner of Agriculture, died at Washington, on the 19th inst. Mr. Newton was born in Burlington county, New Jersey, March 31st, 1800. He was engaged in agrieultural pursuits nearly all his life, and was a progressive farmer, taking great delight in the improvement of eattle and a better cultivation of the soil. In 1861, President Lincoln appointed him Chief Clerk, and soon afterwards Commissioner of the Bureau of Agrieulture—a position which he filled with credit to himself and the nation. Many small politieians, who disgrace a seat in Congress, and sundry agrienltnral pimps and panders, who wished Mr. Newton's position, endcavored to remove him from office. Death has superseded and made void the labors of his enemies.

EXPERIMENTAL FARMS. - We learn that Judge Watts, Mr. McAllister and Judge Miles, a subeommittee of the trustees of the Agrienttural College of Tansylvania, are now examing the various farms offered that Board, upon which to locate—East and West—model mental farms, in connection with the parent institution. This snb-committee have visited will be made known during the coming Fallprobably at the State Society's Exhibition at

THE New York Central Railroad is preparing to carry beef to market in cars lined with



Declivity of Rivees.—A very slight declivity suffices to give the running motion to water. Three inches per mile, in a smooth, straight channel, gives a velocity of about three miles an hour. The Ganges, which gathers the waters of the Himalaya Mountains, the loftiest in the world, is, at 1,800 miles from its month, only about 800 feet above the level of the sea, and to fall these 800 feet in the long course the water requires more than a month. The great river Magdalena, in South America, running for 1,000 miles between two ridges of the Andes, falls only 500 feet in all that distance; above the commencement of the 1,000 miles, it is seen descending in entaracts from the mountains. The Rio de la Plata has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent that 1.500 miles from its mouth large chinal has so gentle a descent gentle a descent that, 1,500 miles from its mouth, large ships are seen which have sailed against the current all the way by the force of the wind alone.





### Fireside Tale.

#### THE COOPER'S COW TRADE.

Josephus Allen was a cooper. He had a little shop in the outskirts of the village, where She's worth it-every cent." he shaved and thumped away, early and late. A more honest man never lived-or, at least, he was as honest as need he. He owned a respectable dwelling and a few acres of land, and he kept a pig, and some hens, and a cow; this hrute property heing under the especial care of Mrs. Allen. It was generally acknowlcdged that nohody's pig was so sleek and fat as Mrs. Alleu's, nobody's eggs were so large or so sure to be fresh, and nobody's hutter was so sweet and so yellow. "This is Mrs. Josephus Allen's hutter." "Mrs. Allen brought these eggs in." Let the shop-keeper thus announce, and the things were bought immediately. And Josephus himself occupied a place equally firm in the confidence of his fellows. His word was as good as his hond, and his work in demand.

One Spring Josephus met with a sad misfortune. His cow broke the floor of the barn and broke her leg—hroke it so badly that mending was out of the question. What should he do for auother cow?

- "Yon must go and huy one," said his wife. "But cows must he high this season."
- "Never miud, a cow we must have. You ought to get a good one for fifteen dollars-a good milch cow.'
- "Ah—hnt the fifteen dollars, Mrs. Allen."
- "I can let vou have ten of it-ten dollars that I have laid up from the sale of butter and

Thus furnished with the "sinews of trade," Josephus started forth in search of a cow, and after tramping a whole 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 Mrs. Allen was horror-stricken, while Josehought. He had thus far avoided Mr. Pot- phus stood aghast, man because he had no very good opinion of that individual's honesty. In fact, he knew that John Potman cheated when he could. green and tender. But he concluded to take a look at Potman's stock, trusting that he knew enough ahout cows to take care of himself.

John Potman was a farmer, and did considerable husiness in huving and selling cattle, and he also loaued money to needy men at exorbitant rates of interest. He took no mortgages for security. When he loaned money, 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 Mr. Potman, and when he had made known his want, he was informed that he had come just in the "nick of time."

"Tve got just the animal you want," said the stock trader; "a fine, large cow, healthy and strong, kind and gentle; an easy milker; with a calf three weeks old. I took her only a few weeks ago for a deht; come and look at her."

Josephus followed 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, and was in respectable flesh. The ndder was him. ample, and when Josephus tried the teats he found that they yielded the milk freely.

"How much milk does she give?" Josephus.

"I haven't had a chance to find ont exactly," would give, on an average, twelve quarts at a say a word to anyhody." milking in the height of feed. If I had not already more stock than I can feed, I would instructions of his friend, and Amos then went not sell her at any price. Just look at that calf. Isn't it a beauty?"

this was the cow he wanted.

each year is marked.

"The man said she was eight years old," re- chase money of the cow was almost a dead take him for."

much younger. I guess she is eight."

Josephus walked round the cow several to be cheated. times, and finally asked her price.

"I ought to have twenty dollars, Mr. Allen.

Josephus shook his head. He could not pay so much money. Then followed a long dicussion upon the value of such an animal; and my hands, I think I'll pay him off for hoth finally Potman grew generous. He let the you and myself. In the mean time you may cow go for fifteen dollars, though with seemingly painful reluctance. Josephus paid the make arrangements for getting another one. money, and drove the cow home. He did not neighbor, who wanted it to mate one that he already owned.

On the following morning the cow was milked and turned into the pasture. The quantity of milk given on this morning was remarkably small, but theu it was not to he calf, and had eaten nothing. At night, how- after which he ruhhed them down with a little ever, after cropping the tender grass all day, French polish. A hottle of dyestuff, carefully she would be sure to give a good account of

During that afternoon Amos Bean dropped a small way, sometimes working at househuilding. He soon learned that Josephus had pnrchased a cow of John Potman.

"I don't understand," said Amos. "Potonly two days ago, that he wanted four good

"Fifteen dollars."

"Cheap enough, at this season, for a good cow. However, it may he all right."

In the evening the cow came home from the pasture with ahout as lank an ndder as she carried away in the morning, and not over a quart of milk could he obtained from her.

What could it mean? The pasture was one of the hest in the country, and the grass was

Just then Amos came along again. He had feared something wrong from the first. He instituted a thorough examination, and pretty soon an exclamation of astonishment signified that he had found the "mice."

"Look here!" said he, pulling open the

Josephus looked and found that the animal was almost toothless! The front teeth were

"But," he gasped, "it can't be her age. Her horns don't show it.'

"Don't they?" echoed Amos, "Look a little closer. The upper rings have heen scraped and nodded with satisfaction. down, and the surface colored! The cat is ont. The cow has been a good milker; but she's got hravely over 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. I'll make him take the cow and return my money, and I'll tell him just what I think of

"Don't do any such, thing," said Amos. bad joh. "Potmau would only laugh at you. It was "I guess you'll find it all right," said Amos, got cheated he would say it was your own the aged animal. fault. I know him well. If there's any way replied Potman. "I've only had her a few in which we can come up with the old rascal, time; but the man I got her of told me she row, and let me think the matter over. Don't

Josephus promised that he would ohey the

The poor cooper did not sleep a wink all arose and knicked the stool back, Josephns was inclined to the opinion that that night. The loss of money was something to one in his situation; hnt that was as noth- Bean. "She cannot be very old," he said, looking ing compared with the ontrage which he felt

plied Potman, "and I should not call her loss; and she also supposed that her hushand would he well laughed at for allowing himself Potman called him hack.

> On the following morning Amos Bean came and announced that he had thought of a plan by which Mr. Potman could he corrected.

"I owe the old skinflint a punishment," said he, "and if you will trust your cow in take one of my cows and use her until we can

Josephus did not stop to ask many questions. want the calf, so that very night he sold it to a He allowed Amos to take the antiquated animal away, and in return he hrought back a cow helonging to his friend.

Amos Bean put the old cow into a close stall where she could not he seen hy the passers-hy, and one of his first manipulative operations was to saw off the tips of her horns, and darkwondered at. The cow probably missed her en what was left with a mixture of potash, red to a heautiful hrindie.

One afternoon Bean saw John Potman in in at the cooper's shop. Amos was a neighbor the store, and he went in and purchased a piece and a very warm friend. He was a farmer in of tohacco. After passing the time of day with the skinflint, he started to go ont, turning as though he had forgotten something.

"Ah-look here, Stanley," said he, addressing the storekeeper, "if Seth Folsom comes man is huying good cows. I heard him say in here, I wish you'd tell him he can see that cow this evening. I've got one that will suit milkers for his dairy. What did you pay him exactly." And with this Amos left the store. He had gone hut a few steps, however, when he heard his name pronounced.

> "Mr. Bean. Ah-stop a moment. You spoke of a cow."

> It was John Potman. Amos had expected this, for he knew that the old rascal still wanted two or three good milkers.

"Yes, sir," said Bean.

"What have you got?"

"A cow that has heen left with me hy a friend who wants money:"

"What is she?"

"Come and see yourself."

"Where is she?"

"She will he in my yard at sundown this "I'll come and look at her."

That evening 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 daylight, was never seen; her horns were dark and glossy; and her hag was so full that the milk ran out at the teats in streams. In a little while Mr. Potman came. He looked at the cow and was favorahly impressed. He looked at the distended udder,

"How old is she?" he asked.

"I think she is eight this Spring," replied

"What is the price?"

"Twenty-five dollars."

"It is too much." "Very well-I didn't ask you to huy."

"But-I should like just such a cow, if I could get her at a fair price. Let's have a look at her month."

Potman made several attempts to look into her mouth, hnt was forced to give it up as a

Mr. Potman stood hy and saw the cow milked. He saw a large wooden pail filled to days, and the calf has run with her all this I'll study it out. Just keep quiet until to-mor- the hrim, and then a small tin pail filled hesides. It was the largest quantity of milk he had ever seen from one cow at one milking.

"Does she usnally give as much as that?"

"I don't think I ever milked less from her

"Bnt twenty-five dollars is rather high, Mr.

at the rings on her horns, where the growth of had heen put upon him. His wife, too, wor-for her. I can't think Seth Folsom will grumhle a quantum of spirits, a modicum of molasses, ried a great deal; for she snpposed the pur- at the price. If he does, he isn't the man I in conjunction with a little water; hut deal

Amos had turned to go into the house, when

"Is twenty-five dollars the least you'll take for that cow?

"Yes, sir!"

"And can I have her for that?"

"I said so."

"Theu she is mine."

And John Potman gave Bean twenty-five dollars, and drove home the cow. After tea, Amos went to the village and gave Josephus the money he had obtained for the cow.

"But," said the cooper, opening his eyes with wonder, "I can't take all this.

"It's all yours," returned Amos. "It's just what Potman paid me for the cow; I told him I was selling it for a friend."

By nine o'clock 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, niggardly character, and it was refreshing to know applied, changed the cow's color from a light 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 new pnrchase had changed color most marvelously. She was drabhled all over, as though soused in a vat of old coffee, and the dark liquid was dripping from her hair. Her hag was as lank as a dish cloth, with hardly milk enough in it to pay for the milking. With an oath, and a vigorous assault, Potman managed to see just enough 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 fixed!

-! It's THE OLD COW!" I dare not write the opening remarks of John Potman ou that occasion. They were awfully, terrihly, frightfully profane.

A few days afterwards, Potman met Amos Bean in the street.

"Bean," said he, trying to smile as he spoke, "you are a coon!-you did that well! But, tell me one thing; I know how you changed 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?

"Certainly," replied Amos. "It was all very simple. She'd been fed on barley pudding and oatmeal gruel, and hadn't been milked for fire days!"

On his way 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 able 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 show 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 woman or child might share the same fate. His strength and sight now decline more and more, till the mighty lion grows lean and mangy, and crawls ahont from place to place, eating any offal he can pick up, and what he would call a fair trade; and if you as he drew up a stool and commenced to milk despising not even so small an animal as the field mouse; and he starves and dies, or is fallen on and slaughtered hy a few cowardly hyenas, or is discovered unable to move heneath 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 subscribe for a chandelier for the church. "Now"—said he—"what's the use at an evening's milking," replied Amos, as he of a chandelier? After you get it you can't get any one to play on it."

"LANDLORD," said a seedy pedagogue, some-"Well-what of it? You ain't got to pay what given to strong lihations, "I would like largely in spirits, thou man of mixtures.



The Search after Dr. Livingstone.—The British Government propose to send out a search party to ascertain the fate of Dr. Livingstone. It will he a small one, consisting only of four Englishmen, including the leader, Mr. E. D. Young, of Zambesi reputation, and all will he men already acclimatized in similar regions. They will ascend to Lake Nyassa by the Zamhesi and the Shire, and they will soon reach the head of Lake Nyassa, near which the disaster is said to have occurred. There ascertaining the truth or falsehood of the death of the great traveller, they will he back again at the month of the Zamhesi hy the month of November. Thus, at little risk and small cost, the painful suspense at which the public mind is now held on this subject will he relieved, and we shall know whether Livingstone was killed, or has passed onward to Cazamhe and the Lake Tanganyika.





## The Farm and Fireside.

### The Fireside Muse.

#### HAY-MAKER'S SONG.

Come on to the scented clover fields, At early dawn away:
The earth her generous bounty yields— To the clover fields away: The sun is painting now the bills
With its genial golden ray, And the music of the singing rills 1s calling thee away.

Come on to the scented clover fields
At early dawn of day; The earth her generous bounty yields,—
To the clover fields away.

The merry bird, an hour agone,
In the nodding cherry tree,
Had touched the notes of her gushing song,— That restless melody.
And the model little artizans That visit the early flower,
Have gathered many a nectar drop From the shining dewy bower.

Then on to the scented clover fields, At early dawn of day; The earth her generous bounty yields,-To the clover fields away.

There's wealth within the sinewy arm That drives the ringing steel, There's music in the laborer's heart That idlers never feel, As singing to his cheerful task, He hies at early day, and tolling through the Summer hours, He makes the scented hay. Then on to the scented clover fleids,
At early dawn of day;
The earth her generous bounty yields,—

When the sun is up in the cloudless sky. And the West wind gently hiows, 'Tls then the sturdy husbandman To his dally labor goes; You can mark his footprints in the dew, Away o'er the dotted mead,
You can hear the ring of his shining blade, As he slackens his wonted speed.

Then on to the scented clover fields, At early dawn of day; The earth her generous hounty yields,-To the clover fields away.

To the clover fields away.

And frowns o'er the smlling plain, And the hollow voice of the distant rills Betokens the drizzling rain, Not then o er the thirsty meadow-land, You may hie at the dawn of day; When the sky is fair and the sun is warm, Tis time to make the hay.

When the storm king sits on the Western hills,

ume to make the hay.
Then on the scented clover fields,
At early dawn of day;
The earth her generous bounty ylelds,—
Tn the clover fields away.

### Various Matters.

### 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

THE POSTHUMOUS PAPERS OF THE PICKWICK CLUB. By Charles Dickens. T. B. Peterson

& Brothers, Philadelphia.

This is the commencement of an entire new edition of Dickens, to be be called "The People's Edition." Each volume will be printed on fine 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 "Pickwick Club," in which the immortal Sam, Weller, Joh Trotter, Boh Sawyer and tal Sam. Weller, Job Trotter, Bob Sawyer and Mr. Pickwick figure conspicuously. Mr. Dickens's first laurels as a novelist, were gathered from this work-some twenty years ago.

We are glad to learn that the Messrs. Peterson are determined to make this edition oue of great popularity in style, eheapness and durability. 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 "American Short-horn Herd Book."

#### AGRICULTURAL ITEMS.

Orchards grown from root grafts are short lived, 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 sun, than if kept in shade during the Summer, as they often are.

28,554 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 crop is excessive. The clip is lighter on the same number of sheep than last year.

SCRATCHES IN HORSES.—Ashes of eorn cobs 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 Rockriver 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, especially in wet, warm weather, when the grass is succulent and rich. This feed distends the howels uncomfortably. An armful of dry hay once a day will serve to absorb some of this respects.

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 decline in prices this season in consequence of a large clip, the heavy decline in all classes of manufactured goods and the general caution iu busiuess.

### The Markets.

## WOONSOCKET RETAIL MARKET.

[For the week ending June 28, 1867.] FARM PRODUCTS, FURL, &c. Hay # ton. \$35 | Wood # cord. \$6a9 50 Straw # ton. \$20 | Beans # quart. 5cc Coal # ton. \$10 00a12 00 | Potatoes. 1.10 Oats # hush. \$1 00 | Onions. 1.00 

### BRIGHTON CATTLE MARKET.

June 26, 1867.

At market for the current week: Cattle, 1345: Sheep and Lambs 3226. Swine, 250. Western cattle, 1141; Eastern cattle, 4; Working oxen and Northern cattle, 150. Cattle left over from last week, 50.

PRIOES. Beef Cattle—Extra, \$14.75@ \$15.00; first quality, \$14.250@\$13.75; second quality, \$13.50@\$14.76; second quality, \$13.50@\$13.50 \$100 lbs (the total weight of bides, tallow and dressed beef.)

Country Hides, 9%@10c \$15. Country Tallow 6%@7%C\$15 Brighton Hides, 10@10%cts. \$25 lb. Brighton Tallow, 7%@8%c \$25 lb.

### WEEKLY REVIEW OF THE NEW YORK

WEEKLY REVIEW OF THE NEW YORK WHOLESALE MARKET.

The market for the past week has heen characterized by remarkable and violent fluctuations in breadsturfs and provisions—the prices of hreadsturfs touching a shipping point, which caused a sudden reaction and a brisk local and speculative movement, all descriptions closing with an upward tendency. The same may he said of pork, which closes with a rise.

FLOUE—We have had a very excited and variable flour market. Up to Tbursday quite a panie had prevailed, prices declining from 50 to 75 cents per barrel. Since then we have had more stendiness and an active local and speculative inquiry; uearly all the decline has heen recovered at the close, the later arrivals stimulating the demand, and the less favorable accounts of the Southern crop of wheat inducing a speculative inquiry. California flour has been particularly active since Wednesday. Since then it has advanced from 50 to 75 cents a barrel. It closes very strong. Rye flour has fluctuated rapidly, decilning early in the week 50 cents, Since then most of the decline has been recovered.

COEN MEAL has heen freely offered in a decline of about 25 cents a harrel—the common qualities at full rates on good market, closing firm.

WHEAL racely in the week was pressingly offered. The decline has the common qualities at full rates on good market, cosing a farter are livent the week was pressingly offered. The decline has the common qualities at full rates on good market, cosing farter are livent to the week was pressingly offered. The decline has the common qualities at full rates on good market, cosing farter are livent the week was pressingly offered. The decline has the common qualities at full rates on good market, cosing farter are livent to the common qualities at full rates on good market, cosing farter are livent to the common qualities at full rates on good market.

cents a harrel—the common qualities at full rates on good market, closing frum.

WHEAT early in the week was pressingly offered. The decline of fully 15 and 20 cents a bushel was submitted to after Thursday morning, when a firmer feeling prevailed, advices from the West of the material reaction there stimulating the inquiry here and the appearance of exporters in the market for the Inferior further contributing to the reaction. Since their hemarket has advanced 25 cents a bushel and closing with a strong and upward tendency, especially for Spring.

RYE has been freely offered at a decline of about 20 cents a bushel, and closes heavy, with liheral offerings.

OATS have been active, the demand heing largely speculative.

Prices have advanced from seven to eight cents a bushel.

COEN has been in active request but at very variable rates.

RHODE ISLAND SOCIETY FOR THE ENCOURAGE-MENT OF DOMESTIO INDUSTRY .- The stated meeting of the Standing Committee of this Society was held at Providence, on the 19th

The Standing sub-Committee on the Fine Arts asked for an appropriation of one thousand 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 assented to by the Board.

The Executive Committee, having charge of the Exhibition, reported that they had arranged with the several railroad corporations for a reduction of freight on stock for the cuttle show, and on passengers' fares, which will soon be published in the Premium List now nearly ready for publication. The premiums offered will exceed \$10,000.

INFLUENCE OF TIMBER ON FRUIT.-Proofs are accumulating as to the beneficial influence of forest trees in the preservation of the more susceptible fruits from the rigors of our Northern and Western Winters. We have noted this frequently in years gone by-a fact corroborated by an Illinoisan iu a letter of recent date to the "Institute Farmers' Club." He writes from the Southern section of the State, and moisture, and benefit the cow in several says:-" Here, on the edge of the timber belt, peaches have not failed for nine years." On the open prairies they are killed almost annually -the present year proving no exception.

### Marriages.

In this town, June 19th, by Rev. D. M. Crane, Mr. George H. Thayer to Niss L. Bernette Hadly, both of Blackstone; In Boston, June 29th, by the same, Mr. Joseph P. Gould, of Boston, to Miss Marianna Wales, of Franklin.

Near Slatersville, June 29, at the residence of the bride, by Rev. E. A. Buck, Mr. Wm. H. Sandford to Miss Julia A. Comstock, both of S.

In Lonsdale, by Rev. W. W. Sever, William Hervey to Mrs. Sarah L. Eldridge, both of Providence; 25th Inst., by the same, In Pascoag, June 16th, by Rev. M. Phillips, Mr. Robert C. McCormick to Miss Senora A. Blanchard, hoth of Georglaville; 18th inst., Mr. Frank J. Oadley, of Providence, to Miss Eleanor A. Daggett, of West Giocester.

In North Providence, 5th Inst., by Rev. Mr. Richardson, Mr. Horace Jeneks to Miss Hannah Gertrude Bennett, both of North Providence.

1u Whitinsville, June 19th, hy Rev. L. F. Clark, Francis Eugene Tatt, of Northbridge, to Emma Jane Smith, of Whitinsville.

In Providence, 20th Inst., Gilbert P. Whitman, of Pawtucket

ille. In Providence, 20th Inst., Gilbert P. Whitman, of Pawtucket, o Annle H., only daughter of Lyman Arnold, Esq., of Smith

In Thompson, Ct., June 7th, Merrill A. Wordant, of Thompson, to Ella F. Perry, of Killingly.
In Putnam, Ct., June 9th, Andrew F. Morlarty to Mrs. Caroline A. Baxter, both of Thompson.

At his residence in Central Falls, on the 19th inst., Moses H. Beede, in the 73d year of his age, an approved Minister of the Society of Friends. In Providence, June 24th, of apoplexy, Dr. Samuel Boyd Cohey, aged 62 yrs.

In Thompson, Ct., June 6, Federal C. Sprague, aged 76 yrs.

### Special Botices.

MOTHER BAILEY'S QUIETING SYRUP FOR CHIL-DREN.—Aliays all Pain, Cures Wind Colic, Convulsions, Grip-ng, &c. Large Bottles only 25 cents. Sold by Drugglsts. (4w-24) GEO. C. GOODWIN & CO., Boston.

### Advertisements.

Pennsylvania.

TURNIP SEED!

### TURNIP SEED!

NEW CROP OF JULY 1st, 1867.

SELECTED STOCK AND WARRANTED.

IMPORTED SEED, OF BEST QUALITY,

and in great variety.

SEND FOR PRICE LIST-GRATIS.

STEPHEN G. COLLINS, WM. CHAS. ANDERSON, CO., Seed Warehouse, ROBERT DOWNS, 1111 and 1113 Market St., Philadelphia, Pa. 16w-25

TURNIP SEED.
10,000 Pounds of Imported Swede or Ruta Raga Turnip
Swed. 10,000 Pounda American Furple Top and White Flat
Dutch Turnip Seed.

Dutch Turnip Seed.

TO FARMERS,
One, or more pounds, sent by mall, on receipt of 75 cents per pound. For sale at the Seed Store of

C. B. ROGERS, No. 133 Market Street, Philadelphia.

FAMILY KNITTING MACHINE.

THE MOST USEFUL AND MOST PROFITABLE INVEN-TION OF THE TIME I

THE BEST FAMILY ENITTING-MACHINE EXTANT.

THE BEST FAMILY ENITTING-MACHINE ENTANT.

THE LAMB KNITTING MAOHINE AGENOY, Philadelphia, Penn., holds the exclusive right to sell and use this machine for the following territory, to wit:—all that part of the State of Pennsylvania lying east of and including the Counties of Bedford, Blair, Centre, Lycoming and Tiega.

The Lamb Knitting-Machine is endersed and recommended to the public by the highest and most disinterested authorities it in that taken First Premiums at all the State Fairs in the Northern and Western States. It knits any desired size, from one to the full number of needles in the machine. It knits the single, double, plann and fancy-ribbed tlat web, producing all varieties of fancy knit goods in use, from Afghans, Shawis, Nubias, Ac., to Wicks, Mats, Tidies, Watch Cords, Gloves, Mittens, &c., Any women can knit from fifteen to twenty pair of Socks per day, On fancy work much more can be made. Machines werk vasily, not liable to get out of order, and will pay for itself in a month's work. County Agents wanted, to whom hiberat terms will be given. For the above mentioned territory, either for Agencies or Machines, apply to LAMB KNITTING MACHINE CO., "Springfield, Mass.

### Hew Fork.

## BELLS!

MENEELY'S WEST TROY BELL FOUNDRY. (ESTABLISHED IN 1826.)

Rells for Churches, Academies, Factories, &c., made of genuine Bell-metal, (Copper and Tin) mounted with Improved Patented Mountings, and warranted. Orders and enquiries addressed to the undersigned, will have prompt attention, and an illustrated catalogue sent free, upon application.

E. A. & G. R. MENELLY,

Une 22, 1867.

West Troy, N. Y.

### Rhode Island.

POUTH ANNUAL FAIR OF THE

#### NEW ENGLAND AGRICULTURAL SOCIETY.

IN CONNECTION WITH THE

Rhode Island Society for the Encouragement of Domestic Industry,

ON THE GROUNDS OF THE NARRAGANSETT PARK ASSOCIATION

CRANSTON, near Providence, R. 1., On Tuesday, Wednesday, Thursday and Friday

SEPTEMBER 3d, 4th, 5th and 6th, 1567.

THE PREMIUM LIST WILL AMOUNT TO NEARLY

\$10,000.

Arrangements have been made with the various Railroad companies, to run their Cars, containing Stock, &c., directly of the Fair Grounds.

There are ample accommodations within the grounds for forses and Live Stock, and one of the best Mile Tracks for facting in the world.

orses and three stocks, and me in the world.

A large number of the most celebrated horses in the country of the results of the world in the country of the world as competitors for the very liberal premium.

A large numer of the most cerebratea horses in the country have heen promised as competitors for the very liberal premiums that will be offered, and the best breeders of full blood cattle and horses have determined to make this the finest and most extensive exhibition of Live Stock that has ever been held in New England.

A detailed Frogramme of Premiums, &c., will be distributed at an early day.

GEO. B. LORING, of Salem, | WILLIAM SPRAGUE, of So. President,
DANIEL NEEDHAM, of Boston, Secretary,
of the N. E. Agricultural Soc'y.

Kingston, R. I., President,
WM. R. STAPLES, of Providence, Secretary,
of the R. I. Seciety.

THE NARRAGANSETT PARK, In Mendon, June 13th, Chas. E. Brown, aged 31 years.

In East Medway, June 13th, Elizabeth Blake, aged 92 years.

In Millbury, June 23d, Oliver Rice, nged 73 years; on the lame day, Thanled Cutting, nged 62 years.

In Thompson, Ct., June 5, Federal C. Sprague, aged 76 yrs.

THE GRAND STAND

Is unsurpassed in architectural heanty, by any structure for similar purposes. It is about three hundred and fifty feet in length, and contains Drawing Rooms for both Ladies and Gentlemen; Restaurants, with cooking apparatus attached; Committee Rooms; Exhibition Rooms; Cinb Rooms; and accommodation, UNDER COVER, for seating over five thousand persons.

### THE STABLES.

Forty commodious and airy stables have already been erected, and others, together with good and substantial sheds for all live stock that may be received for exhibition, are in process of completion. WATER.

An ample supply of pure Spring Water will be provided for every department, and the best of hay, grain, &c., for feeding. THE TRACK

has been constructed on the most improved plans, under the supervision of skilled engineers, and is precisely one mile in length, three feet from the pole, and it is pronounced by the best judges to be in all respects superfor to any track in the

W. E. BARRETT & CO.,

Proprietors of the

RHODE ISLAND AGRICULTURAL WARE HOUSE,

are now prepared to take orders for

100 Kniffius, new, one and two horse Mowing Machines, which

are unsurpassed by any in the market, and wnrranted.

Union two horse Mowers, warranted. 10 Perry's new Gold Medal Mowers.

100 Whitcomb's Wheeled Rakes, improved.

100 Horse Forks, all good kinds.

10 Garfield's new Hay Tedders. 100 Mounted Grindstones

500 doz. Hand Rakes of various kluds.

400 " Scythes, from the best makers.

200 " Snaths, new and old patents. 200 " Hay Forks, Batcheller & Sons' make.

100 Revolving Horse Rakes, and all kinds of first class Farming Tools and Seeds. Send in your orders early and they hal be filled promptly.



FAMILY COURTESIES.—The laws of politeness should be observed not only between intimate friends, but between members of the same family; and those households are the most peaceful and happy where the courtesies of good society are observed. There need not and ought not to be formality; but little attentions between brothers and sisters, making mutual esteem, prevent that carelessness and hardness which is most apt to creep into the family, and which grow out of intimacy. It is good manners and consideration for each other's feelings that prevent the careful and the family and which grow out of intimacy. engendering contempt. If members of the family were more courteous to each other there would be more of it in the outside world-more aggregated happiness.





## Farming Miscellany.

### 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 farmers whose labor is given principally to the cultivation of smaller fruits. Among the most saleable of these, paying probably the largest percentage to the grower, is the Strawberry. Five hundred dollars from an aere in grain or grass would be deemed an impossibility, but that amount from an acre of Strawberry plants is frequently realized. The fear that an overstocked market would place their price below remuneration, has proved groundless, for it miles in advance, in the direction that the storm AMERICAN CONCRETE PAINT AND ROOFING COMPANY. has been found an impossibility to overstock is travelling. the market. Many of our farmers contemplate this use of their ground for coming years, and ready by the officials at the court-honse, and as to them we would say always set out the best soon as the news is received of a coming storm plants, even if their cost is considerably above it is to be fired three times—at intervals of one the average, for this will be found the truest minute if a hnrricane is approaching; at intereconomy in the end. Light, loamy soils with vals of three minutes if the storm is travelling clay subsoils are best for this purpose, and a rapidly; and at intervals of six minntes if it is fair amount of exposure to the snn is also of travelling slowly. value. Perhaps there is no plant so sensitive planted. If the season is dry and hot, it will to shut ont the rain. be necessary for a short time to water and shade them through the day, always taking care to lina on Saturday, June 1, and travelled North uncover them at night, so they may receive the about twenty miles per hour, sweeping over invigorating effect of the dew.

rnles to which we have alluded are observed tion of this simple plan. the transplauting may be done in any month of these plants can be set by an experienced its adoption in time for the coming harvest. mau in a day and will number about 10,000.

It is of great importance to keep them free from weeds in the Summer. A neglect of a few weeks in this matter will often make it impossible to make it worth while to preserve the in Winter is never neglected by the successful taken off need only be placed between the rows and thus facilitate an early growth, besides migration is undonbtedly a sonrce of wealth." keeping the weeds down and the fruit clcau. No good fruit however can be raised in large quantities without the use of suitable fertilizers. Common barn yard mannre is good, but its tains 2,556 pounds of water and 138 of sand, at this season of the year. The flower-garden, 332 of carbonaceons matter, which are of no There are but 74 pounds of active fertilizing material, such as nitrogen, potash, soda, lime, magresia, phosphoric 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, yet such is the you intend to have extra feed for your cattle. fact and proves conclusively that barn-yard manure, however valuable for other purposes, is fodder is good for all kinds of stock, either fed but of little use in this. The best and cheapest fertilizer for this fruit, in the jndgment of those and put away for Winter use. growers who have tested all kinds most thoroughly, is Baugh's Raw Bone Phosphatc of the fullest and most satisfactory character.

ring the Spring, Summer, or Fall months, but morning, and thus saves his wheat.

some of the most successful growers have given a preference to the period following the bearing season.—"West Jersey Pioneer."

#### STORM SIGNAL IN HARVEST TIME.

Editors of the Farm and Fireside:

The following plan, to aid in preventing injury to grain and hay crops from storms during harvest, is offered for the consideration of farmers, 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

At each county seat a cannon is to be kept

As a good-sized cannon can be heard disto the touch of proper fertilizers than this one, I tinctly from fifteeu to twenty miles in all direcand too much attention cannot easily be given tions, or over a space of from thirty to forty to this fact. The land should be placed in the miles square, by fixing one at each county seat, most cultivated order before setting out the the farmers over the whole country, for hunplants, which should be kept out of the sun dreds of miles, would be warned in time to get and in a moist condition until they are trans- their grain or hay noder cover, or in a situation

The storm which commenced in North Caroseveral States, perhaps as far as New York, if Strawberries are best grown in beds four feet it had occurred in the midst of harvest, with wide. This secures convenience in gathering the grain or hay cut down in large quantities, and allows opportunity for cultivation. Three the damage would have been very great, amountrows should be put in a bed and the plants in ing to millions of dollars, all of which could each row placed twelve inches apart. If the be saved at a trifling cost by the general adop-

All newspapers in favor of this plan will from March to November, although the Snmmer please publish it, and every farmer should months are preferable. The fewest runners examine it carefully, and if approved of, he are made by those set in June and as more or should write to the county clerk or other counless of these are desired, farmers will either use ty official of his county in its favor. A sufficor avoid this month in their work. Au acre ient number of such endorsements will seeure

> A. WATSON. Washington, D, C.

Immigration a Source of Wealth.—A contemporary journal takes this view of the immense number of immigrants now coming to beds, and yet a small amount of attention and this country from Europe. All political econolabor will prevent their ascendency. Mulching mists must view it in the same light: "The cost of producing a human adult is estimated, at grower. Corn stalks will answer a tolerable the least, at \$1000, and to the extent that other purpose, but rye straw is prefered above all countries rear human beings and give them, other articles. The covering should be done free of charge, to other nations that have emin November, and removed as soon as the ployment for their services, is the latter enfreezing weather is over and before the plants riched at the expense of the former, precisely have made any growth. The covering that is as if blooded stock had been reared, or improved machinery had been constructed and where it will serve to keep the ground moist sent over to as for ase, free of expense. Im-

DON'T NEGLECT THE GARDEN. - A contemporary says: "It pays in every way; the vegetconstituents are too cumbrons to be of great able department in a sanitary view, by furnishvalue. One cord of this (3,000 pounds,) con- ing the kind of vegetable acid the system needs by its refining influence upon all about the more value than so much peat straw or chaff, homestead. Provide a good supply of free blooming annuals as well as a substantial stock of hardy percanials.'

> INCREASE YOUR WINTER FODDER,-Now is the time to sow corn in drills, or broadcast, if Even if you have an abundance of hay, corn ont green in Angust or September, or cured

Locusts are in myriads in Kansas this year. Lime. The result produced by this is truly To protect his wheat a farmer has a locust trap astonishing. The testimony to its value is of which he finds effectual. He seatters hay around his wheat fields. The locusts gather It can be applied to the bed at any time, dn- in it at night, and he sets fire to it early in the

## Advertising Department.

### Rhode Island.

A GRICULTURAL IMPLEMENTS.—A. S. ARNOLD, dealer in Agricultural Tools, consisting in part of conical, Wright's and Cylinder Plows and Castings; Shares's Patent Harrows and Horse Hoes, Cultivators, Seed Sowers, Hay Cutters, Garden and Railroad Barrows, Shovels, Spades, Forks, Iron Bars, &c, Holder's Block, Main Street.

Woonsocket, R. I.

MAUPAY'S SUPERIOR TOMATO SEER can he had of W. E. BARRETT & CO., Feb. 23, 1867. 32 Canal Street, Providence, R. I

### Pennsylvania.

PCONOMY-PROMPTNESS-RELIABILITY!

543 NORTH THIRD STREET, PHILADELPHIA.

Roofs of every kind covered or repaired thoroughly. All leaks, wet and dampness in roofs, &c., prevented. Iron Fronts, Railings, Posts and Fences long preserved. All work done well, and warranted. The paint is unequalled by anything of the kind now known.

JOSEPH LEEIS, Actuary.

EMORY II. HOBART, Superintendent of Work.

May 25, 1867.

50 PER CENT SAVED BY USING

T. BABBITT'S STAR YEAST POWDER. Light Biscuit, or any kind of Cake may he made with this Yeast Powder, in fifteen minutes. No shortening required when sweet milk is used.

I will sond a sample package free by mail, on receipt of fifteen cents to pay postage.

Nos. 64 to 74 Washington street, New York.

HENRY C. KELLOGG, sole Agent for Philadelphia.

3m-21

PECORA LEAD AND COLOR

No. 150 North 4th Street,......PHILADELPHIA, PA.

Best PAINT known for Houses, Iron Fronts, Tin Roofs, and Bamp Walls, RAILEOAD CARS and BRIDGES.

FECORA DARK COLORS costs ½ less that of lead, and wears longer than lead.

The Company's WHITE LEAD is the WHITEST and MOST DURABLE Lead known. Also, VARNISHES and JAPANS.—
100 ibs. will paint as much as 250 ibs. of lead, and wear longer. Feb. 23, 1267.

BAROMETERS! BAROMETERS!! BAROMETERS!!

TIMBY'S PATENT PORTABLE BAROMETERS.

the hest in the market, can be sent by express, and are war-ranted accurate. A few for sale at the office of the FARM AND FIRESIDE, 402 Locust Street, Philadelphia. April 6, 1867.

## LEWIS LADOMUS & CO DIAMOND DEALERS & JEWELERS.

WATCHES, JEWELRY & SILVER WARE.
WATCHES and JEWELRY REPAIRED. 802 Chestnut St., Phila-

Have always on hand a splendid assortment of Diamonds at less

Have always on hand a splendia assortment of Diamonds at less than usual prices.

GOLD AND SILVER WATCHES,

Of all styles and prices, suitable for Ladies', Gentlemen's and Boy's wear. E' ALL WATCHES WARRANTED.

JEWELRY Of the newest and most fashionable designs.

SILVER WARE in great variety; a large stock of Silver Ware made expressly for Bridal Gifts. Plated Ware of the best quality. Watches repaired and warranted. Country trade solicited. All orders promptly attended to.

Diamonds and all precious stones bought for cash; also gold and silver. and silver. June 15th, 1867.

HOOP SKIRTS.

WM. T. HOPKINS,

628

1m

Manufacturer of First-Class HOOP SKIRTS, and dealer in
NEW YORK AND EASTERN-MADE SKIRTS.
Wholesale and Retail at Manufactory,
No. 623 Arch Street, Philadelphia.
6m-pe-18



NEW CROP, OF OUR OWN GROWTH, WILL BE READY

JULY FIRST.

ROBERT BUIST, Jr.,
SEED AND AGRIOULTURAL WARRHOUSE,
Nos. 922 & 924 Market Street, Philadelphia, Pa.
June 15th, 1867.

INSURE LIVE YOUR STOC



E. N. KELLOGG, President. GEO. D. JEWETT, Vice Pres't E. N. KELLOGG, President. GEO. D. JEWETT, Vice Pres't.

SENDIO,000 DEPOSITED WITH THE COMPTROLLER AS SE

OURTY FOR POLIOY HOLDERS.
Policies issued on all kinds of live stock, against DEATH and

THEFT. For further particulars, address Branch Office, Hartford Live Stock Insurance Co.
P. & E. A. CORBIN, Managers,

430 Walnut Street.

May 18, 1867.

### Moro phillips's genuine improved SUPER-PHOSPHATE OF LIME.

STANDARD GUARANTEED.

For sale at Manufacturer's Depots,

No. 27 North Front Street, Philadelphia.

AND No. 95 South Street, Baltlmore, And hy Dealers in general throughout the Country.

Philadelphia, February 2d, 1867. HARMER'S GRINDSTONES,

OF THE BEST QUALITY;

Ready for use, with self-adjusting Shafts, Treddles, &c.

Hurou Grindstones, Scythe Stones, &c., for sale by J. E. MITCHELL, 310 York Avenue

April 27, 1867.

PHILADELPHIA.

DISEASES IN THE AMERICAN STABLE, FIELD AND FARM-YARD.

By ROBT. MCCLURE, V. S. For sale at the office of the FARM AND FIRESIDE, 402 Locus Street, Philadelphia. Price, \$5 by mail, prepaid. March 2, 1867. 8-tf

### New Fersey.

PEMBERTON

MARL COMPANY.

This company is now prepared to furnish their GREEN SANII MARL, in quantities of from four tons, (one car load), upwards. And at any point where railroad or water navigation will carry it.

Both practical use and scientific investigation, have proved.

wards. And at any point wheel rainteest along have proved will carry it.

Both practical use and scientific investigation, have proved Marito be one of the best and cheapest of fertilizers.

Address all orders to JNO. S. GOOK, General Traveling Agent, Mount Holly, New Jersey; or to the Sub-Agent, nearest where parties wish Mari delivered.

The Telroulars, with particulars, FURNISHED FERE, on application to

J. C. GASKILL, Supt.,

Pemherion, New Jersey.

March 9, 1867.

### Massachusetts.

ADIES, ATTENTION !—A Silk Dress Pattern or a Sewing Machine sent free, for one or two days' service, in any town or village. Also, a gift sent free, hy addressing with stamp, W. FISK & CO., 17 State St., Boston, Mass., June 8, 1867. 8w-we-22

THE INDELIBLE PENEIL eo.

(NORTHAMPTON, MASS.)

MANUFACTURERS OF THE IMPROVED PATENT INDELIBLE PENCIL

for marking clothing, &c., have now ready for sale their new HORTICULTURAL PENCIL.

For writing on wood. Invaluable for making durable TREE and GARDEN TAGS or LABLES, or marking Tools, &c.

PRICES: Horticultural, single, 75 cents; two for \$1.00; per Clothing Pencil, single, 50 cents; three for \$1.00; per doz. \$3.00. Sent prepaid by mall or express on receipt of

A LIBERAL DISCOUNT MADE TO DEALERS.

EVERY PENOIL WARRANTED.

RELIABLE | CHEAPEST |
Don't PAY \$1. SAVE 50 CENTS. KINGSLEY'S WONDERFUL HAIR REVIVER

OHANGES GRAY HAIR. Promotes its growth. Prevents its falling. Keeps it moist. Be sure and try it. A FEW HOME RECOMMENDATIONS

From Proprietor of Payson's Indelible Ink.—"Your Reviver ives the Hair an appearance of renewed youth, and leaves it ealthy and soft." gives the Hair an appearance of renewed youth, and leaves it healthy and soft."

From Prof, Hitchcock, Amherst College,—"I have been trying your Reviver, and am satisfied that it imparts a dark color to Gray Hair."

From W. B. Welton, Clerk of S. L. Hospital.—"I find it all you claim for it, and would say to all, try it."

From the Springfield Republican.—"One of the hest Hair Revivers known."

rion the Springuela Republican.— One of the less than Revivers known."
Prepared by C. B. KINGSLEY, Northampton, Mass. Sold by Druggists and Merchants. Price only 50 cents.
GEO. C. GOORWIN & CO., and REED, CUTLER & CO., Wholesale Agents, Boston.
June 15, 1867.
3m-4s-23

SOUTH DOWN CO.'S PATENT

# SheenWash Lobacco

SEAB, VERMIN AND FOOT ROT should he used by all Farmers on

ANIMALS AND PLANTS.

This pure preparation has been successfully used for years, and never fails to produce the desired effect when used according to directions.

It will not injure the most delicate animal

1t cures all SKIN DISEASES on Animals.

It will improve the Quality and Quantity of Wool. It kills TICKS on Sbeep. It cures SCAB on Sheep.

It kills all VERMIN that infest Animals, Trees, Plants and

For FOOT-ROT it is a sure cure, used as a poultice. ONE POUND of this Extract will make TWELVE GALLONS of Wash, and contains the strength of EIGHT

POUNDS of TOBACCO, as prepared by farmers. Sold hy all Druggists and Country and Agricultural Stores.

JAMES F. LEVIN,

23 Central Wbarf, Boston, Massaebusetts.

For sale hy KENDALL & WHITNEY, Portland, Me.; N. S. HARLOW, Bangor, Me.; SIMONDS & Co., Fitzwilliam, N. H. March 9, 1866.



### TERMS OF ADVERTISING.

### COMMISSION TO LOCAL AGENTS.

### IN MONTHLY PARTS

Hereafter the FARM AND FIRESIDE can he had in Monthly Parts, in neat covers, at twenty-five cents each. Those for January, February, March and April are now ready. For sale hy all newsmen. Bound at the close of the year they will form a neat and attractive volume.

