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the Captain, who still persisted that the or by some peculiar appearance of the tree. calculations of the mathematician were By inserting a small wire with the smallest wrong. The latter, confident of the cor- possible hook upon its end, they may generectness of his results, resolutely demanded rally be drawn out; but if not brought to that the course of the vessel should be light the wire will kill them. changed; and at length, by resorting to passed in sight of the danger they had so unless the farmer is in the habit of destroynarrowly escaped.

tion, to that exceedingly interesting dis- surface and drop a handful of salt upon the cle in the way of determining the parallax and the ox-eye daisy, or white weed, which is the difficulty of noting the precise time land, should be wed out of the grain and when a star crosses the meridian, proceeded grass fields upon their first appearance. to describe the usual method, that of counting the beats of the clock during the time of observation, by which means the most practised observer cannot obtain the time nearer than within two-tenths of a second. The lecturer then explained to his audience how, by an invention of his own, he is able to divide a second into a thousand appreciable parts. To do this he converts time into space, seconds into inches, by causing the beats of the clock to be recorded, (by means of a little magnetic telegraph,) on a revolving disc, so that the distance between fifty pounds, which ought to be exerted in and grate it, and then they will know what the marks thus made represents a second. Now the instant a star crosses one of the It is important, also, to see that the hoe spider-lines in the telescope, the observer touches the telescope-key with his finger, much, but in that position which will enaand thus causes a mark to be made on the same revolving disc. The position of this while using it. Hoeing is of the utmost mark among those made by the beat of the clock, gives the time of the observation; and, as its distance from the preceding second's mark can be very accurately measured, the time is obtaided with corresponding accuracy. Now, the great difficulty in this arrangement was to break and connect the galvanic circuit, at every giving of the pendulum, by an apparatus so delicate as not interfere with the regularity of the clock's lings in disguise." How many fields and motions.

A very delicate wire lever was constructed, which, by being made to vibrate, alternately broke and completed the circuit,-How to connect this with the clock without interfering with its rate of motion, was the question. A very fine human hair was tried; but, as the Professor told us, it was "too rough, too coarse, too cable-like," to answer the purpose. A fibre of silk was next tried, with no better success. At length a spider's THREAD was selected; and it worked to entire satisfaction. For a constant drizzling cakes the ground, and twenty months that slender line has been is of little service to the roots. moving to and fro in the Cincinnati Ob- The Garden.-Pass through the garden hole, where, for dear knows how long, the servatory, measuring off second after second once a day, at least; give it an hour in the slops of the kitchen had been carelessly on the revolving disc, and in this way exhi- morning and another in the evening, if pos- thrown. We thought, were he really as biting accurately the time of a multitude of sible; no part of the farm will pay you wise as he conceived himself to be, that astronomical observations, thus connecting, better than the garden crops. Coop some that fence would have been repaired, that as it were, as the distinguished lecturer re- of the hens near and allow the chickens to gate hinge fastened; a good breed of swine marked, the heavens and the earth.

cobweb from the wall, or thine eyes light with their vegetable diet. upon the circular web glittering with pearly dew-drops on the hedge-row and the grass last of the month for pickling. by the way-side, remember what the spider's thread has accomplished .- Phila. Friend.

for Farmers.

Work for the Month.

respite, a brief breathing place to look into the only possible condition in which a proall the affairs of the farm more leisurely, fit can be derived from them. and attend to the smaller, but not minor, matters which the haste to get in the seeds the daily fluctuation of his prices in his mitting his fowls to-roost upon the cherry has prevented. And first, let him who has business, and calculates the loss and gain trees, (and thus not only expose them to the had the forecast to plant a tree either this on them with eagle eye. So should the inclemencies of the weather, but lose in season or before, extend his care to it and farmer watch every minute innovation, extirpate his enemies.

and knife, and wire and hand are active. Now is the time to dislodge them; by scra- prevail in every department of the farm. ping the earth carefully away from the base of the tree and closely examining it, the bright side of everything; it is just as cheap, spoiler may be discovered either by his and three times as good for digestion. hole, his castings, which resemble saw-dust, New England Farmer.

Thistles, mulleins, dockroots, burdocks,

Hoeing. - No implement on the farm is in more demand than the Hoe in the month of June. Get a good one and keep it smooth and bright. Let it be of the right weight, remembering that he "who makes with a common hoe, two thousand strokes an hour, should not wield a needless ounce. If any part is heavier than necessary, even to the amount of half an ounce only, he must repeatedly and continually lift the half ounce. so that the whole strength thus spent would be equal, in a day, to twelve hundred and stirring the soil and destroying the weeds." stands just right, neither out nor in too ble the person to stand in an easy attitude importance in farm husbandry. It keeps the ground in fine tilth, which is its proper condition to receive light and heat, and the important atmospheric influences.

WEEDS .- These are merely grasses out of place. They get a great many kicks, cuts, and perhaps curses, from the indolent gardens would feel the plow and hoe, if no weeds appeared? and would present a hard, impervious crust, resisting all efforts of the genial sun or cooling dews to enter and feed the starving roots. But the weeds spring up as faithful monitors to prompt us to duty! calling us from field to garden, as each demands attention. Look no longer, then, upon the weeds as pests and plagues, but by careful industry exclude them from the crops which you prefer to them.

WATERING .- Water copiously and rarely;

go at will over the garden; and they will would have replaced those hungry looking Reader, when next thou brushest the be able to obtain what meat they require ones, and the rich slops of the kitchen would

GRASS. - In rich, mdist spots, grass will grow rank, and sometimes lodge before the end of June. This should be cut early, and another crop may be taken from the same ground.

CATTLE .- The stock still needs the master's eye. A little extra attention keeps Planting being over, there will be a little the animals healthy and thrifty, and that is terially the growth and vigour of the wilder-

MANY THINGS .- The merchant watches whether by insect or weed, upon his crops, THE BORERS .- They will make sad havoc and carefully attend to each at the particuwith your fair orchard unless your own eye, lar season when they demand it. Promptness, as well as neatness and order, should ments.

Always do as the sun does-look at the

The Rhubarb.

This excellent garden plant should be set in a rich soil, and cultivated with great assiduity. Stable manures should be frequently strewn about each root during the threats, induced the Captain to yield. The and all such rank herbage, will constantly of stalks, which is the principal object of vessel was turned aside, and soon after they spring up, especially about the buildings, its cultivation. These stalks, with proper attention, can be grown to a very large ing them. By neglect they sometimes size, and are an excellent substitute for the But to return to the spider's web. I will cover large patches of excellent ground and apple, for pies, sauce, preserves, &c. They add one more illustration to show what it is render it worthless, beside disfiguring the are much improved, and by shading them capable of accomplishing. Those who at- premises and scattering their seeds over the as much as possible from the sun, which tended the lecture of Professor Mitchell, farm. An hour or two at the right season may be done by sawing old barrels asunder delivered in this city on the 10th inst., will will arrest them and save crop and character. and placing the halves about each plant, at once know upon allusion, in this connect. The cure is to cut them off just below the allowing the leaves to protrude through the course, what this illustration is. Professor bleeding wound; or sink the spade and start barrel, topless and bottomless, completely opening at the top, I have seen a whole Mitchell, after stating that the great obstatheir roots and pull them up bodily. These, filled with the long, stout stalks. The seed stalk, which springs up in the centre of the of the fixed stars, and from it their distance, is becoming so prevalent all over New Eng- bunch, should be broken down as soon as it appears, it being hollow and useless, and injuring the growth of the other stalks. The root of the rhubarb, (Rhenn's Palmatum,) contains medicinal properties, and should be cut up in strips and dried for use. A learned botanical physician says, "it possesses the property of contracting the animal fibres, while it operates as a thorough cathartic; its operations, therefore, for weakly constitutions, that cannot bear more drastic physic, in cases of diarrhoa and debility of the bowels, is particularly useful. In small doses it will invigorate the stomach." All should either raise or buy their own root they have. I have seen rotten worm-eaten rhubarb ground up with a yellow kind of root, to give it colour. The man who was grinding it informed me that it was for a wholesale dealer in drugs in a neighbouring city. There is much uncertainty about all medicines that are ground.

The Farmer who had Nothing to Learn.

There are, in every community farmers who conceive it imposible to add any thing to their already acquired stock of knowledge. We met one of this class a few days since, who in answer to our inquiry whether he was a subscriber to an agricultural paper, indignantly replyed that "book-farming was a humbug, and that he knew more of farming than any body could tell him." We did not urge the point with him, conceiving it to be worse than useless; but as we left him, we took a few notes of the condition of this model farmer's premises, which we present to the readers of the Journal, with he hope that they will prove of service.

The paling fence enclosing the house-yard was broken down in several places; one of the hinges was torn off the gate, and directly in front of the kitchen door several lank. looking swine were wallowing in the mudhave been applied to a better use than to Sow melons and cucumbers towards the create an unwholesome and unpleasant wallowing-place for swine.

The barn stood on an eminence, and directly in front of it a small stream flowed. From the manure-heap to this stream, the rich manure-water was flowing, in a silent but steady stream; and some cherry trees that skirted the lawn, I observed large quantities of the excrements of the fowls exposed to the action of the weather, and aided maness of weeds around. Had he been so very wise, he would have checked the waste of that precious manure; and instead of peraddition their very valuable manure,) he would have given them a place of shelter; and by that means secured their comfort ly, all, I believe, professors of religion,and productiveness, as well as their excre- mourn the loss of an affectionate, tender

most entirely destroyed by the borer; the give me some account of her mother's illness fences that enclosed his meadow were in a and death, I subjoin it in her own words :-ruinous condition; several hogs were actively engaged in turning up the sod; and as | plained of pain occasioned by the tumour. I

we attempted to close the gate that led from the main road to the house, we found it wholy impracticacle, one hinge completely torn off, the other so twisted as to render the effort vain. Want of time prevented further observations; but we had seen enough to satisfy us that the careful perusal of any good agricultural journal, and a practical application of some of the hints contained in it, would have been hundreds of dollar's value to our over-wise farmer .- Pa. Farm

Obituary Notices.

For the Wesleyan.

Mrs. Elizabeth Brown, of Lower Horton.

Mrs. Elizabeth Brown was the daughter of Samuel and Mary Avery, of Lower Horton. She was born September 17th, 1787, and married to Mr. Abiel L. Brown in March, 1807. Her husband died in the faith of Christ about eight years ago. She was the mother of twelve children, nine of whom survive to mourn their bereavement. She lived what is called a moral life, but did not realize the necessity of a change of heart to constitute her truly religious and fit for heaven, until the autumn of the year 1834, when she and three of her daughters were converted to God under the ministry of the Rev. John McMurray, then stationed on the Shuber acadie Circuit. Some of her family had professed experimental godliness previously to this time, but the conversion of the mother and three daughters formed a memorable era in their family history, and brought sources of enjoyment to their social circle which they had not expected in religion when they were pursuing the pleasures of the world. They were of one heart and mind, determined, by Divine grace, to serve God in newness of life. Mrs. Brown always lamented that she was so late in turning to God, and that she had lived so many years lestitute of the joys of salvation. After she had experienced a change of heart, knowing that she needed help in the divine life, she met in a band consisting of four persons .-About this time she saw and felt the necessity of a further work of grace in her heart, and she soon found, in seeking for more power to serve God, that there is virtue in the blood of Christ to cleanse from all sin. She testified in a band meeting of twelve persons that the Lord had blessed her with a deeper work in her soul, and that she could love God with all her heart. Mrs. Brown was a consistent christian, evincing the truth, depth, and purity of the religion she professed by holy conduct. She loved the precious name of her Redeemer, his house, his Ministers, and his people. She always attended the public means of grace, unless prevented by sickness, or the inclemency of the weather. She never forgot the day or the hour her class met. She felt for sinners much, and prayed earnestly for them at the family altar.

Two years ago she began to complain of pain occasioned by a tumour in the breast, but was not confined to her bed until last Christmas. I visited her during her protracted illness, and always found her not only patient on the bed of sickness, but apparently cheerful. She conversed much as she had been want to do in health, affably, and seemed to have her mind not occupied solely with her own sufferings, as is often the case with afflicted people, but free to feel interested in the welfare of others,—and especially intent on the prosperity of the cause of God. A revival of religion took place in the chapel near her residence, a few weeks before her death, in the progress of which she evinced much interest. Although she could not attend the place where the hallowing influence was felt, she got a blessing to her soul by hearing of Zion's prosperity. She was a person of an excellent spirit, possessed of those qualities of mind and heart, regulated by christian graces, that constituted her an affectionate and agreeable friend. Her famimother, but they mourn not as those without An orchard of young apple trees was all hope. Having requested Miss M. Brown to

" It is about two years since she first com-