

Agriculture.

HINTS ON SPRING WORK.

To the farmer whose land is undrained, who has not a field on a farm where there are not wet spots, who has part of his land dry enough to work, but where, in low spots, the water follows the plow in the furrow, May, is the most trying and disheartening month in the year. His only consolation can be found in a firm resolution to drain his land before another rotation comes round. Such land should be kept in grass until it can be drained. Let off all the water of surface drains. A few furrows with a plow will frequently let off more water in an hour than the sun can evaporate in a week. Not an hour should be lost in doing this work.

Giving Directions to help.—Tell the men the night before what you want them to do the next day.—And tell them, "if it is fine, do so and so; if it rains, do this or that;" and enter into details. A good man likes to know beforehand what he has to do, and he will think the matter over and decide how best to do it, and what tools he will want, and where they are; and in the morning he can get to work half an hour earlier than if he did not know what he was going to do.

Hiring Farm-men.—That farmer is fortunate who has two or three active and intelligent sons able and willing to take hold of farm work. Make much of them. Those who have to hire should be willing to pay good wages for good men. Know what a good day's work is, and get it; but do not ask for more. An unreasonable employer makes discontented servants. If they do well, tell them so; if not, reprove mildly but firmly.

On Rainy Days.—There is nothing more important than to clean out the cellar. It is madness to suffer any decaying vegetables to remain. It is the cause of much sickness especially among children.

Whitewash the walls, ceilings, etc. See that the windows will open and shut easily, so that the cellar can be readily and frequently ventilated. Clean empty pork and cider barrels inside and outside, and make the cellar neat and tidy. Water in the cellar must be got rid of, no matter what the cost of draining may be. If it cannot be drained, better fill it up, and make an outside cellar. Inconvenience can be endured better than ill health. In the barn there is abundant work for rainy days. Make everything clean, and have a place for everything, and see that everything is in its proper place. Grind all the tools, rakes, hoes and spades. Mark them, and rub the handles with petroleum or linseed oil. Scour off the rust, and rub on a little petroleum to keep them bright. Oil the harness, and be sure to wash it clean with warm soft water, soap and brush, before applying the oil. See that the plows are in order; and a new point or wheel is needed, get it now.

Barley is the first crop to be sown. Plow the land only when it is dry, and sow as fast as it is plowed. It should be harrowed and cultivated until the soil is mellow. Drill in 1 1/2 to 2 bushels per acre. Roll the land soon after the barley comes up.

Clover Seed should be sown on the winter wheat. If the land is dry and hard, harrow the wheat before sowing the clover-seed. It will kill weeds and help the wheat, and the clover-seed is more likely to germinate. If the land is mellow and in good condition, 4 quarts of clover-seed and 4 quarts of timothy seed per acre is enough. For permanent pasture add a pint of white clover.

Oats will do better on sod land than barley, but neither of them do as well on a tough sod as after corn or potatoes.

Peas will do well on sod land, drilled in or covered with a harrow. Sow as early as the land can be got ready—two bushels per acre.

Parsnips should be sown as soon as the land is in good order, and carrots a week or two later. Mangies and other beets should not be sown so early, and rutabags two or three weeks later. Make the land rich with well rotted manure, and superphosphate or bone dust.

Pruning.—Do not prune after the sap has commenced to circulate.

Grafting should be done this month. Care must be taken not to graft too early, as this is often more injurious than late grafting.

Strawberries.—finish setting out new beds, and plow or spade up all old and unfruitful plants.

Window Boxes ought to have an exposure to the air every mild day to harden the plants, so that they will not be put back when transplanted.

Beans.—Do not plant in the open ground until all danger of frost is over.

Cabbages.—Sow seeds in open ground, and as soon as an inch or two high, sprinkle with ashes to keep off the cabbage-flea.

Cauliflower ought to be planted 2 1/2 feet apart in the rows.

Horse-radish needs a large application of manure to secure the best results. The roots should be about two inches long, and set out in rows from 18 inches to two feet apart.

Herbs can be sown in open ground as soon as it is warm enough.

Sow Lettuce seeds in warm dry soil.

Melons must not be planted in the open ground until it is well warmed.

Onions, in order to succeed well, need to be sown as early as the ground can be worked in fine rich soil, in drills a foot apart.

Tomatoes may be set out in open ground when it is warm and dry.

Scientific.

A NEW WONDER.

Yesterday morning April 9th, Mr. J. B. Knight, agent of the Watertown Steam Engine Company, sunk a drove well in rear of his office, with a view to getting a supply of water; and when at the depth of forty-six feet a sudden and very powerful draft of gas was observed to flow from the mouth of the pipe. He immediately closed the pipe, thinking to utilize this gas for illuminating purposes, but found the pressure too great; when the idea struck him to direct it into the boiler of one of his engines and experiment with it in making steam. But no sooner had the connection been made than the engine began to run entirely by the pressure of the gas acting upon the piston, at a pressure of twelve pounds to the square inch; and so it continued all day yesterday, giving no sign of exhaustion.

Here is a discovery. A motive power which costs absolutely nothing, sufficient to be made available in running many kinds of light machinery, perfectly controllable and seemingly inexhaustible. What shall we find next under our city?—New Orleans Republican, April 9th.

Says the New Orleans Times of the same date: A great curiosity to be seen at J. B. Knight's machinery establishment on Carondelet street, near Poydras. No less than a stationary steam engine, running without steam. Mr. Knight, having had occasion last week to bore for water at the depth of forty-seven feet, encountered a flow of natural gas, with such a pressure that on attaching it to the engine with a flexible pipe, it drove it with ease. When witnessed in operation: the gage marked a pressure of twelve pounds to the square inch, and the gas from the discharge pipe, was burning brilliantly. An engine, apparently furnishing its own power, and a brilliant light to see it by, comes nearer to the realization of a perpetual motion machine than any yet reached.—Scientific American.

HOW TO KEEP A SITUATION.

The following bit of good advice is from the Working Man, and is worthy the attention of all our readers:— Lay it down as a foundation rule, that you will be "faithful in that which is least." Pick up the loose nails, bits of twine, clean wrapping paper, and put them in their places. Be ready to throw in an odd half hour or hour's time, when it will be an accommodation, and dont seem to make a merit of it. Do it heartily. Though not a word be said, be sure your employer will make a note of it. Make yourself indispensable to him, and he will lose many of the opposite kind before he will part with you.

Those young men who watch the time to see the very second their working hour is up—who leave, no matter what state the work is in, at precisely the instant—who calculate the extra amount they can slight their work, and yet not get reprov'd—who are lavish of their employer's goods, will always be the first to receive notice that times are dull, and their services are no longer required.

MESSENGER ALMANACK.

MAY, 1871.

Full Moon, May 4th, 6h 45m. afternoon. Last Quarter, " 14h, 10h. 9m. morning. New Moon, " 19th, 6h. 31m. morning. First Quarter, " 27th, 8h. 48m. morning.

Table with columns: Day, SUN, MOON, High Tide, Low Tide. Rows for days of the month from 1st to 31st.

THE TIDES.—The course of the Moon's pathing gives the time of high water at Portland, Cornwallis, Horton, Hantsport, Windsr, Newpo t, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapolis, St John, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland, 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

New York and Oswego Midland Railroad.

FIRST MORTGAGE BONDS.

Principal and Interest payable in Gold. Interest 7 Per Cent. Gold per annum free from Government Tax.

200 miles of road finished, and doing a profitable business.

THIS road spans the State of New York from its Metropolis to its Northern borders.

Its Northern terminus is at the city of Oswego, on Lake Ontario. It shortens the railroad connection of the City of New York with Oswego and Canada, FORTY FIVE MILES, and by means of a branch at Auburn, where it connects with the New York Central, it shortens the connection with Buffalo and the West SEVENTY MILES.

The Company has a contract with the Delaware and Hudson Canal Company for the transport of their coal, which adds largely to the business and profits of the road.

The PAID-UP CAPITAL of the Company is about \$5,500,000, which is believed to be a larger Capital than any other railroad enterprise in the United States ever started with. The issue of Bonds is limited strictly to \$29,000,000 per mile of ROAD ACTUALLY BUILT AND IN RUNNING ORDER.

The annual earnings of the road are estimated at nearly \$900,000; the operating expenses will not exceed fifty per cent which would leave, after payment of interest on Bonds, over \$214,000. For sale by W. S. STIRLING, Halifax.

T. S. WHITMAN, Annapolis. G. OPDYKE & CO., Banners, N. York. April 18th.

A. V. P. B.

ARCHIBALD'S VEGETABLE PAIN BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung Diseases.

The Proprietor has removed to Truro, Celestine Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him.

Sold by all the principal Dealers and Druggists in the Provinces. Oct. 21. 1 yr.

To Parents and Sabbath School Teachers.— JUST PUBLISHED.

SECOND EDITION—REVISED. A SCRIPTURE CATECHISM, for the Family, the Bible Class, and the Sabbath School, BY S. SELDEN.

Price 8 cents or \$6.00 per 100. TRY NELSON'S CHEROKEE VERMIFUGE.

THIS valuable Indian combination has been successfully used by physicians, and found to be safe and sure in expelling worms in persons of all ages. Prepared by W. J. NELSON, Bridgewater, N. S.

WRIGHT'S Patent Sectional Spring Bed!

THE Subscribers having been appointed Sole Agents in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and the facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. May 20 GORDON & KEITH.

EAGAR'S Peruvian Bitters!

OF Peruvian Bark, Sarsaparilla, Dandelion, Wild Cherry, and other valuable remedies. AN EXCELLENT TONIC, APPETIZER, & STIMULANT.

Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the STOMACH, DEBILITY and PAIN in the BACK, RESTORES the VITAL ENERGIES, when exhausted, braces up both the Nervous and Muscular System, PURIFIES the BLOOD, and Restores the Appetite. Particular attention is called to the fact that the

PERUVIAN BITTERS

are not an Alcoholic preparation, but simply a scientific combination of valuable Roots and Barks, which purifies the Blood and restores the waste, thereby bracing up both the Nervous and Muscular Systems, and giving that permanent HEALTH, STRENGTH and VIGOR, both of mind and body which nature intended, man should possess.

This BITTERS is not sold as a specific for every disease, but in cases of GENERAL DEBILITY and its effects, such as Dyspepsia, Loss of Appetite, Weakness of the small of the Back, Weak Memory, Indisposition for Exertion, Sense of Fatigue after Eating, &c., caused by anxiety over exertion, mental or bodily, late hours, and excesses of every kind, it has no equal.

Although these BITTERS contain no Alcohol, they will most effectually wear the taste from Stimulants and enable the system to dispense with them at once.

The proprietor, although averse to the practice of putting any medicine, feels it his duty to give publicity to the following certificates:— Hundreds could be added, but such names as Dr. How, Professor of Chemistry at King's College; Capt. Hardy, R. A.; Mr. Solomon, Lunenburg; and Dudley de Chair, Esq., Halifax, will be sufficient to establish its reputation as a reliable and valuable medicine.

CERTIFICATES:

I have found Mr. Eagar's PERUVIAN BITTERS beneficial to myself and in my family, and have heard of their being used with good effect in another case in Windsor. (Signed) HENRY HOW, D.C.L. King's College, Windsor.

MR. EAGAR.—I have used your PERUVIAN BITTERS in a personal case of Dyspepsia, and have derived the greatest benefit therefrom. (Signed) C. HARDY, Capt. R. A.

LUNENBURG, 28th June, 1869. MR. EAGAR.—I have used your PERUVIAN BITTERS and can highly recommend them, as I have derived great benefit therefrom. (Signed) EDWARD H. SOLOMON, Dy. Surveyor, Co. Lunenburg.

I have tried MR. EAGAR'S PERUVIAN BITTERS, and can strongly recommend them. (Signed) DUDLEY DE CHAIR, Halifax, June 3, 1869.

FOR SALE in large bottles at 37 1/2 cts. per bottle, and in one dozen and three dozen boxes. Orders from the country will receive immediate attention. Dealers Supplied on liberal terms.

TOOTH ACHES.

EAGAR'S ODONTINE ESSENCE gives instantaneous relief in all cases of Tooth Aches arising from hollow teeth and exposure of the nerve.

Thousands of bottles have been sold and in no case has it failed to give satisfaction. Be sure and obtain Eagar's Odontine Essence; take no other.

The money will be returned if it fails to give relief when used according to directions in cases of tooth aches from exposed nerve. 25 CENTS PER BOTTLE.

If the above article cannot be obtained at the stores near where you live send the price in stamps to the subscriber's address and it will be forwarded immediately. Dealers supplied on liberal terms.

M. F. EAGAR, 149 Hollis St. Halifax.

NEW WHOLESALE DRUG STORE, 149 Hollis St., Halifax.

The subscriber is prepared to execute orders for Drugs, Chemicals, Perfumery, Patent Medicines, Pain a, Varnishes, Oils, Toilet Articles, and all other articles usually supplied by Drug Houses. Being agent for first class Surgical Instrument makers in London and Paris, their respective priced lists can be seen at his establishment. His knowledge of the London, Liverpool and Parisian Markets, enables him to offer goods at very low prices for cash as will be seen by a few quotations below: Hair Oil, at from... \$0.37 per doz. Perfume, " " " 0.60 " Black Cap Pomade, " " " 1.00 " Box Wood top Pomade, " " " 1.00 " Glycerine & Camphor Roll, " " " 0.90 " Soaps, " " " 0.25 "

DR. JOSEPH D. DAVIS

WOULD inform the public that after thirty years of study, investigation and practical experience concerning that terrible disease

CONSUMPTION,

And the diseases of the anterior and posterior nares, throat, bronchia, lung, heart, liver, kidneys, and uterus, and twenty years spent in investigating, experimenting and proving, with the medicinal and therapeutic properties of the roots, bark, plants and shrubs, indigenous to Massachusetts, Maine, New Brunswick and Nova Scotia,—he has discovered new remedies, and new modes of treatment, for Consumption, not previously known to Medical Science; and with the large number of cases treated, relieved and cured during the past ten years, in Maine, Massachusetts, and in different sections of Nova Scotia, has proved, beyond the shadow of a doubt, that Consumption, very often in its advanced stages, with his medicines and mode of treatment, can be cured.

He has, at great expense, procured from London, Paris, Vienna and the United States, the finest and most delicate instruments to enable him to thoroughly diagnose diseases.

CAPE SABLE ISLAND, N. S., July 15th, 1870.

DR. DAVIS—Dear Sir—The wisest of men has said that in "a multitude of counsellors there is safety."

Having been benefited by your medicines, I wish to say it to others who may be suffering from lung diseases. Early in 1869 my health began to give way, until such a lack of vital tone was experienced that I concluded it was time to try to avert the impending danger or doom; and arranged last autumn for a rest and a visit to my native Province; but on returning found myself no better; I became discouraged, fearing if no help could be obtained that I should have to abandon my work in the ministry. Happily for me, as the sequel proved, you were directed this way last winter; and, upon examination, you said my lungs were in a tubercular condition, and advised me to take medicine; to which I consented, with many misgivings, which, however, were dissipated in the course of four or five months. For the first three months I could not discern much change; but after that began to feel a new vitality permeating my whole system; my work, which for months had been burdensome, became lighter and more agreeable; and now I enjoy a vigorous state of health. It is this testimony should induce any who are suffering from lung disease to employ you, with the same success. I do not doubt but they will feel that, under the Divine blessing by which you have been enabled to gather such valuable knowledge from nature's store house, they are your debtor. With earnest prayer that you may succeed in business and become a blessing to many of the afflicted, I remain, with kindest regards,

WM. M. KNOLLIN, Minister of Free Baptist Conference of N. S.

Dr. Davis intends visiting the following various towns and localities:—

He will be in Weymouth from the 1st Feb to 7th. Yarmouth from 7th to 14th; Barrington from 14th to 21st; Cape Island from 21st to 28th; Shelburne from 1st March to 7th; Liverpool from 7th to 10th; Bridgewater from 10th to 17th; Lunenburg from 17th to 24th; Mahone Bay from 24th to 31st; Chatham from 1st April to 7th; Bridgetown from the 7th to 14th; Halifax from 14th April to 30th June. March 15.

TEA MEETING AND BAZAAR AT ONSLOW.

THE LADIES of the Baptist Church at Onslow, who some time since, formed themselves into a Sewing Circle, with a view of raising funds for their new Place of Worship, beg, in this way, to notify their friends and the public generally, that they intend to hold a sale of their handy-work at the new Cheese Factory in Onslow, near the residence of William Blair, Esq., on Thursday the 25th day of May, at 2 o'clock, P. M. A sumptuous tea will be served at 5 o'clock. Those who wish to know what a good tea means, will please put in an appearance.

This being the first time the Baptist Ladies of Onslow have appeared before their friends, cap in hand, they beseech a most generous and large hearted response.

The undersigned have been appointed a Committee of management, to either of whom contributions for the object may be sent and by whom they will be thankfully received.

MRS. J. B. MCNUTT, " DAVID BLAIR, " JOHN B. BLICKSON, " JAMES M. CURDY, " JAMES LINTON.

Onslow, May 1st, 1871. May 3. 409.

The Ladies of the Granville Street Church and Congregation are preparing to hold a Sale of Useful and Ornamental Articles early in the ensuing summer; the object of which is to aid the New Church Building Fund.

They hereby invite the co-operation of their friends in other places. Contributions will be thankfully received by the Committee:—

Mrs. Saunders, Mrs. Moir, Mrs. G. L. Johnson, Mrs. Wier, Mrs. J. F. Crowe, Mrs. E. D. King, Mrs. Fraser, Mrs. Beckwith, Mrs. J. T. Twining, Mrs. Seiden, Mrs. Barnstead, March 8.

The GOLDEN ROBIN may be had at the "Messenger Office," 59 Granville St. Halifax

THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms—Two DOLLARS a year, when paid in advance; if payment is delayed over three months \$2.25 when over six months \$2.50. Subscribers beyond the Dominion of Canada, must send in addition to the above, 20 cents a year for prepayment of postage.

ADVERTISING at usual rates. STEPHEN SELDEN, Proprietor. OFFICE No. 59 GRANVILLE STREET, HALIFAX, N. S.

PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms. Magistrates Blanks always on hand.