

The Messenger Almanac.

JANUARY, 1881. First Quarter, Jan. 7th, 3h. 55m. M. Full Moon, " 15th, 7h. 20m. M. Last Quarter, " 23rd, 4h. 35m. M. New Moon, " 29th, 8h. 34m. A.

Table with columns: Day, SUN. Rise, Sets, MOON. Rise, Sets, High Tide at Halifax. Rows for days 1 to 31.

THE TIDES.—The column of the Moon's Position gives the time of high water at Parrsboro, Cornwallis, Horton, Hantsport, Windsor, Newport, 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. A Westport, 2 hours 54 minutes LATER. A 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.

PATENTS

obtained for Inventors, in the United States, Canada, and Europe, at reduced rates. With our principal Office located in Washington, D. C., directly opposite the United States Patent Office, we are able to attend to all Patent Business with greater promptness and despatch and less cost, than other patent attorneys, who are at a distance from Washington, and who have, therefore, to employ "associate attorneys." We make preliminary examinations and furnish opinions as to patentability, free of charge, and all who are interested in new inventions and Patents are invited to send for a copy of our "Guide for obtaining Patents," which is sent free to any address, and contains complete instructions how to obtain Patents, and other valuable matter. We refer to the German-American National Bank, Washington, D. C.; the Royal Swedish, Norwegian, and Danish Legations, at Washington; Hon. Jos. Casey, late Chief Justice, U. S. Court of Claims, and to Senators and Members of Congress from every State.

LOUIS BAGGER & CO., Solicitors of Patents and Attorneys-at-Law, LeDroit Building, Washington, D. C. May 1.

GRAY'S SPECIFIC MEDICINE.



Before Taking Impotency, After Taking and all diseases that follow as a sequence of Self-Abuse; as loss of Memory, Universal Lassitude, Pain in the Back, Dimness of Vision, Premature Old Age, and many other Diseases that lead to Insanity or Consumption and a Premature Grave. Full particulars in our pamphlet, which we desire to send free by mail to every one. The Specific Medicine is sold by all druggists at \$1 per package, or six packages for \$5, or will be sent free by mail on receipt of the money by addressing THE GRAY MEDICINE CO., Toronto, Ont.

Sold in Halifax by all druggists and everywhere in Canada and the United States by all wholesale and retail druggists. N. B.—The demands of our business have necessitated our removing to Toronto, to which place please address all future communications. March 12, '79.

DR. J. WOODBURY'S Horse Liniment.

Is the only decidedly, reliable remedy for all affections of the Horses hoofs, and promptly removes Splints, Curbs, Bog Spavins, Strains or Sprains, Bruises, Saddle or Collar Galls, &c., &c. And given internally will promptly relieve every character of Cough, Enlargement of the Glands, Affections of the Kidneys, etc. And when used according to the directions as an internal or external remedy it is strictly warranted to effect that for which it is recommended. No stable should be without it. For full description and directions, see Circulars around each bottle.

Sold Wholesale by BROWN & WEBB, Halifax; and at Retail by BROWN BROS., and by Druggists and Grocers generally throughout the province. Nov. 5. eow. 6m.

THE FARM.

AN AGRICULTURAL CREED.—1. Do not cultivate poor land. It is a feeble mother which can give no sustenance.

2. If your land is poor you must limit the area of cultivation to your ability to manure—let it be ever so little—and you will be gainer by it.

3. Exert yourself to produce manure on the farm. Such manure is the flour which makes the loaf, and a commercial fertilizer is only a leaven of it. Home-made manures cost some labor and but little money, while commercial fertilizers will bring you in debt, and are a kind of food which mother earth can not entirely rely and fatten upon. We are not their enemy, but active friend, when judiciously used, and can be had without too great a strain on the farmer's credit.

4. Bring to the aid of your manure pile green fallow crops, and try to clothe the bosom of mother earth with the green verdure of grass, from which live stock can be fed.

5. Keep a much stock as can be fed well, for this adds to the manure pile and their increase, and a few fat carcasses afford a big interest on the investment.

6. Diversify crops as much as possible, and do not rely on one staple. This will make your manure and labor pay a profit in some places when they fail in others.

7. Manure! manure! manure! and as before suggested, rely on the farm principally to produce it. It will "put money in your pocket."

8. "No grass, no stock; no stock, no manure; no manure, no permanent improvement of the land."—Richmond Planter and Farmer.

HOW TO MANAGE HORSES.—If horses paw in the stable, take a light chain and fasten it above the knee. Let it hang loose, just so it will not touch the floor. If horses kick in the stable, fasten the chain on the hind leg the same way. They will keep quiet while the chain is on, and there is no danger of hurting them. To cure a halter-breaker, take a half inch rope a little over twice the length of the horse, make a loop in the middle of the rope (so it cannot slip), pass the horse's tail through it, then pass the ends of the rope through the rings of the halter, and hitch the ends. When he tries to pull, the rope will slip through the rings, and all the strain comes on his tail. I have seen several horses broken in this way.

The wheat crop of the United States this year, according to the latest estimate, is more than four hundred and fifty millions of bushels. This will give a surplus, after supplying the home market, of nearly two hundred millions of bushels.

The famous system of rotation, now extended quite generally throughout England and Scotland, with occasional modifications, is as follows:—"The first year, clover and mixed grass seed; the second year, wheat; the third year, turnips or ruta bagas; the fourth year, barley; and then the same course again. An innovation on this is to add another grain crop, oats, to the shift, making a five year's course; and so efficient has this course been that it has been calculated that the grain crops have increased one-fourth.

Colonel Laurie offers White Fife Wheat for seed. The Journal of Agriculture suggests that "it is so important to get a reliable sample of clean wheat for seed free from 'weevil,' that we hope intending wheat growers will at once secure what they require. Year after year we receive applications for information as to where seed wheat can be got in the middle of the sowing time. The wise farmer does not wait till then."

THE HOUSE.

OINTMENT FOR CHAPPED HANDS.—Melt one ounce of spermaceti and one-half drachm of white wax in one ounce of oil of sweet almonds, then add one-half ounce of pure glycerine, and stir until cold. Scent if you please with whatever perfume liked. This is excellent for chapped hands or lips. For the hands apply at night, and draw on a pair of old kids to prevent soiling the bed-clothing.

WHITEWASH FOR OUTSIDE OF BUILDINGS.—For brickwork exposed to damp take one half peck well burned quicklime, fresh from the kiln, slake with hot water, enough to reduce it to a paste, and pass it through a fine sieve; add a gallon of clean white salt which

has been dissolved in a small quantity of boiling water, and a thin smooth paste, also hot, made from 1 lb. fine rice flour: also 1/2 lb. best white glue, made in the water bath. Mix together stir well, add 1/2 lb. best Spanish whitening in 5 quarts boiling water, stir, cover over to retain heat and exclude dust, and let it stand a week. Heat to boiling, stir, and apply hot. The above proportions will cover 40 square yards.

YORKSHIRE PUDDING.—1. Put 8 ounces of flour into a basin, and mix into it half a teaspoonful of baking powder and half a saltspoonful of salt. 2. Break two eggs in the flour, and stir it well. 3. Now add by degrees, a pint of milk, beating all the time with a wooden spoon, to make the batter as smooth and light as possible. 4. Place in a pudding-tin and let it cook under the meat half an hour or bake twenty minutes in the oven. 5. Turn the tin so that the pudding will not get burned. N. B.—It is better to make batter some time before it is wanted, so that it may rise. 6. When the pudding is done, turn it out of the tin into a hot dish, and it is ready for serving with hot meat.

RICE BLANC-MANGE.—A quarter of a pound of ground rice, two ounces of loaf sugar, one ounce of butter, one quart of milk, flavouring of lemon-peel; mix the rice to a smooth batter with a little milk, and put the remainder into a saucepan with the butter, sugar and lemon-peel; bring the milk to a boiling point, stir in the rice; let it boil for ten minutes, or till it comes away from the saucepan; grease a mould with salad-oil, pour in the rice, let it get perfectly cold, and turn out.

POOR MAN'S PUDDING.—Take one quart of rich milk; one teaspoonful of salt; one teaspoonful of allspice; three tablespoonfuls of sugar; three tablespoonfuls of molasses; two-thirds of a cupful of rice. Bake one and a quarter hours, or longer if the fire is slow.

MOLASSES SPONGE CAKE.—Two cups of molasses, two eggs, two tablespoonfuls of soda, three-quarters of a cup of butter, three-quarters of a cup of cold water, five cups of flour.

SCIENCE.

FIRE DAMP.—Fire damp, when mixed with from four to twelve times its volume of atmospheric air, is explosive, but when the proportion is above or below those limits it is inflammable, burning quietly with a pale blue flame. Where a lighted candle is exposed in a non-explosive mixture of this gas, the flame gradually elongates, forming a conical cap floating about the wick, which may be extinguished by cautious withdrawal, without communicating the fire to the surrounding atmosphere.

It is said that Dr. Norris, of Birmingham, has so mastered the chemistry of the blood of man, that he can manufacture it by the gallon or barrel.

VARIETIES.

Well drilled—the oil region. The epixooty merely differs from other colds in its hoarseness, (hoarseness).

Many people who hunt for happiness are continually finding fault.—Whitehall Times.

A California boy stood an umbrella in a public stairway during a religious meeting. To this umbrella was attached a strong cord, an end of which the boy held in his hand. Eleven different people are said to have carried the umbrella to the length of that string.

A little Irish boy fell down and bit his tongue. He arose from the ground, crying and sobbing, and said to his brother: "Oh! Stephen, d'ye think will I iver spake again?"

An accomplished orang-outang was lately exhibited at Munich which played the violin magnificently, and was particularly deft in executing the "Carnival of Venice." Its owner pocketed large profits at first, but one evening a doubting spectator slyly gave the wonderful monkey a sharp cut with a penknife. The creature apparently did not feel the cut, so the visitor gave a vigorous pull at his tail, which suddenly came off, and brought with it a part of the monkey's skin, displaying underneath a man, the father of the exhibitor of the animal prodigy, whose disguise had been so complete as to defy detection for a week.

To Architects, Builders and Others.

BROKESHIRE'S PATENT MINERAL FIRE-PROOF ROOFING

—AND COMPOSITION FOR— Paths, Sidewalks and Cellar Floors!

PATENT MINERAL FIRE-PROOF ROOFING.

There is an old saying that "necessity is the mother of invention," and perhaps nothing is felt, as a want, by our Builders and Architects, more than a good Material to cover flat roofs, and one that dependence can be placed in. It must be one that will be proof against fire and water, and one that will neither crack with the frost of winter nor run with the heat of summer. These faults have been found with other Roofing Materials, and have been the cause of much annoyance as well as serious expense.

A material to meet these shortcomings has been invented and patented by Mr. JOHN BROKESHIRE, of Kingston, Ont., who has succeeded in introducing it extensively in that locality; and wherever it has been used it has given the greatest satisfaction.

This roofing is pronounced by competent judges to be "far superior to anything yet discovered for SAFETY and DURABILITY, being perfectly safe from sparks or blazing shingles, and quite impervious to winter frost or summer heat."

PATHS, SIDEWALKS and CELLAR FLOORS made of this Composition become hard and durable almost as iron, and proof against atmospheric influences. The undersigned is now prepared to show samples of the Roofing, and to receive and attend to orders for spring and summer operations.

The Prepared Roofing and Composition may be had in barrels, and sent to any part of the Province, together with full directions for use.

The most Perfect Satisfaction Guaranteed! Price and full particulars and testimonials on application to GEO. FRASER, Agent for the Maritime Provinces and Newfoundland. Bedford Row, Halifax, July 1st, 1880.



INTERCOLONIAL RAILWAY.

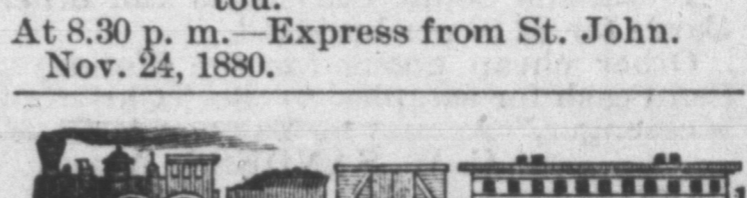
WINTER ARRANGEMENT.

TRAINS leave Halifax daily (Sunday excepted) as follows:— (Halifax time.)

At 8.30 a. m.—Express for St. John, Pictou, Quebec. At 1.15 p. m.—Accommodation for Pictou. At 5.30 p. m.—Accommodation for Truro. At 3.00 p. m.—Express for St. John and Quebec.

WILL ARRIVE:—

At 9.15 a. m.—Accommodation from Truro. At 12.55 a. m.—Express from Quebec and from St. John. At 3.00 p. m.—Accommodation from Pictou. At 8.30 p. m.—Express from St. John. Nov. 24, 1880.



Windsor and Annapolis Railway.

Winter Arrangement—Commencing Thursday, 16th Dec., 1880.

The following is according to Railway Time. Halifax times is 15 minutes later.

Table with columns: Miles, GOING WEST, Express, Passengers and Freight, Arrive, Leave, P.M., A.M. Rows for Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, Annapolis, St. John.

St. John, do | 7 45 |

GOING EAST.

Table with columns: Miles, Pass. and Freight, Arrive, Leave, P.M., A.M. Rows for St. John, Annapolis, Middleton, Berwick, Kentville, Wolfville, Windsor, Halifax.

Steamer "Edgar Stuart" leaves St. John at 8 a. m. every Monday, Wednesday and Saturday for Digby and Annapolis, and returns the same days, on arrival of 7.45 a. m. Express Train from Halifax.

HALIFAX AND CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a. m., and New Glasgow at 2.30 p. m. Arrives at New Glasgow at 11.00 a. m., and at Antigonish at 4.30 p. m.

Western Counties Railway.

Train leaves Yarmouth daily at 7.45 a. m., and arrives at Digby at 11.45 a. m. Leaves Digby on Monday, Wednesday, and Saturday at 4.00 p. m., and at 12.30 p. m. on Tuesday, Thursday and Friday. Arrives at Yarmouth Tuesday &c., at 4.30 p. m., and on Monday &c., at 8 p. m.

BAPTIST CHURCH REQUISITES.

Articles and Covenant \$1.00 per 100. Church Record and Register \$2. and \$3. each.

Alphabetical List of Members 40 cents each.

Letters of Dismission 50 cts. per quire. Psalmists, in all varieties, from 85 cts. Baptist Hymn Book from 50 cts.

Baptists Hymn and Tune Book \$1.00 and \$2.25. Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE. No. 69 & 71 Granville St., Halifax. April 15.

SAVE THE NATION!

For it is sadly too true that thousands of children are STARVED TO DEATH every year by improper or insufficient food. Remember,

RIDGE'S FOOD

FOR INFANTS AND INVALIDS,

Is all and a great deal more than we have claimed for it. It is simply a HIGHLY NUTRITIOUS and easily assimilated FOOD, grateful to the most delicate and irritable stomach, and especially adapted for the INFANT and GROWING CHILD.

Invalids, Nursing Mothers, and those suffering from INDIGESTION will find on trial that RIDGE'S FOOD FOR INFANTS AND INVALIDS, is all they can desire. It is carefully put up in four sizes.

Constant users will find our No. 4 size (always the most economical size to buy) now much larger than formerly, thus materially lessening the expense.

WOOLRICH, Dispensing and Family Chemist, Upper Water St., Depot for Ridge's Food, Pick-me-up Bitters, &c., with a well-assorted stock of Pure Drugs. April 17

Nova Scotia Book Bindery, C. & T. PHILLIPS,

Corner Granville & Sackville Streets. BOOK BINDERS, PAPERS RULERS, BLANK BOOKS, Manufacturers, Perfumers, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market. Jan. 31.

KIDDER'S PASTILLES.

A Sure Relief for Asthma. Price 25 cts. by mail. STOWELL & CO. Charlottetown, Mass. Feb. 20.

MUSICAL.

GATES BROS.,

Manufacturers of ORGANS AND PIANOS,

Organs from \$75 and upwards. Warranted for 7 years. Pianos \$200 and upwards.

The usual discount to Clergymen, Churches, Teachers and Societies. Factory—MELVERN SQUARE, Annapolis Co.

Sales Room 120 GRANVILLE STREET, Near Province Building, Halifax.

ENCOURAGE "HOME" MANUFACTURES. Save Duty and High Commissions. Keep the money in the country. C. E. GATES, Musical Department, G. O. GATES, Manufacturing, W. J. Gates, Manager. Oct. 1.

THE CHRISTIAN MESSENGER

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