

The Messenger Almanac.

Table with columns for Moon phases: New Moon, First Quarter, Full Moon, Last Quarter, New Moon. Includes dates and times.

Table with columns for Day, SUN, MOON, High Tide. Lists times for sunrise, sunset, moonrise, moonset, and high tide for each day of the month.

THE TIDES.—The column of the Moon's Southing gives the time of high water at Parreboro, 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.

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.

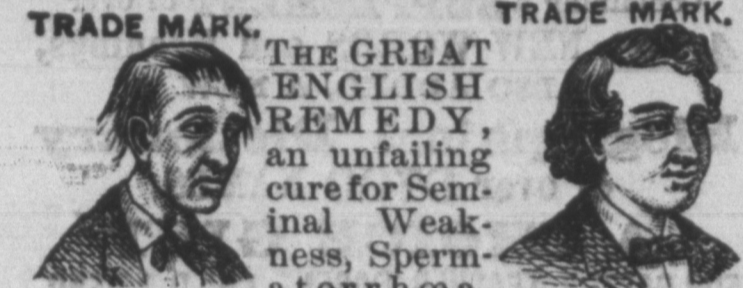
FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting, from 12 hours and to the remainder add the time of rising next morning.

PATENTS

obtained for Inventors, in the United States, Canada, and Europe, at reduced rates. With our principal Office located in Washington, 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."

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

GRAY'S SPECIFIC MEDICINE.



THE GREAT ENGLISH REMEDY, an unfailing cure for Seminal Weakness, Spermatorrhoea, 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.

The Secretaries of Agricultural Societies throughout the Province are reminded that no Society will be in a position to claim participation in the Legislative Grant for the year, unless on or before 31st December, it furnishes the Central Board of Agriculture with the following Returns:

1. Attested List of annual Subscriptions actually paid as such, by Members within the year.

2. Report of proceedings at Annual Meeting held on first Tuesday of December.

3. Full Account of Receipts of Expenditure during the year.

4. Nomination by Officers of a person suitable for appointment to the Central Board.—Journal of Agriculture.

SUGAR CANE CULTURE.—The Os-hawa Vindicator says that Mr. John Bartlett grew an acre of the early amber sugar cane, which he last week worked up into syrup. The cane grew vigorously and the seed ripened. He was obliged to get a crushing mill built and all his evaporating apparatus constructed. A close calculation shows that the acre has paid all the cost of seed tillage and working into syrup, all the cost of the mill and apparatus, and left a profit of forty dollars. This is profitable work. The syrup is highly spoken of by those who have tested it, and is now on sale. A number of farmers have been much interested in the experiment, and next year a considerable breadth will be sown in the township. Mr. Bartlett is likely to put up a larger and more complete apparatus for syrup and possibly for sugar making. Only a small quantity of sugar was made this year, but it granulates easily and produces an excellent article.

According to the Poultry Monthly, milk is one of the very best things to give to either young or old fowls. They are very fond of it, and take it with equal readiness whether sweet or sour. Fanciers have learned that it contains properties highly beneficial to the health and early development of their chicks, and make free use of it. The Monthly suggests to farmers to abandon the practice of feeding their spare milk to pigs, and give it to poultry, as a better paying stock.

KICKING HORSES AND COWS.—A Suffield farmer says that when any of his heifers shows a fondness for kicking, he "breaks" them as he would a colt. Tying the animals tightly in the stable, he takes a stick about five feet long and (keeping at a safe distance himself,) pokes her with it on the hind legs just hard enough to hurt a little. Naturally enough she kicks, and one would suppose this would be a good way to teach her to kick; but he keeps up the treatment for half an hour if need be, and after a while the animal is tired out, "gives it up," and is then subdued. Usually one siege is enough, but if she forgets it, treat her the same way again, and the recollection will last her a life-time. Our friend says that he has even known of old and confirmed kickers being brought to terms, and completely cured of their vicious practice by these means. No temper or violence should be shown by the "operator"; the dose should be given quietly but very persistently, until a perfect cure is effected.

[We have not much faith in this cure for kicking, but as we have no experience we give it as a suggestion.—Ed. C. M.]

SCIENCE.

COAL DUST EXPLOSIONS.—The danger arising from gas in the workings may be considerably increased by the presence of coal dust in the air. This point has been the subject of investigation of late, and it has been found that an explosion may be produced by ignited particles of coal dust through the agency of a safety lamp, which, under ordinary circumstances, would be perfectly trustworthy. At Blanzay, in France, several fatal explosions have been traced to the firing of coal dust from the flame of a shot, even in cases where no fire damp was present in the workings.

ACCIDENTS IN PRUSSIA.—In Prussia in the year 1874 there were 484 deaths from accidents in the coal mines, which corresponds to about 3 deaths per thousand hands employed, with the produce of about 65,000 tons of coal for each death. The proportional loss of life in the collieries of the United Kingdom is less than in most countries, on account of thorough inspection and careful management.

THE HOUSE.

BAKING MEATS.—The natural flavour of baked meats is heightened, and the basis of a delicious gravy produced, by putting a few bits of soup vegetables under the meat in the dripping pan. No salt should be put on the meat until its surface has been crisped by putting it into a hot oven. It may then be seasoned and the heat of the oven moderated: the meat will cook by the steam which is generated from its own moisture by the heat of the oven. No water should be put into the dripping pan around baked meat. Its temperature can never rise as high as that of the fat surface of the meat, and consequently its contact serves only to soften it and extract its juices. Baste it with its own drippings, or some melted butter, or by laying a large slice of fat pork over it.

GOOD YEAST.—Good yeast has much to do with making "the staff of life" palatable. Put over the fire two quarts of boiling water; put into a bag a handful of hops; while these are boiling, grate four raw white potatoes and mix into them a large heaping kitchen-spoonful of flour. When smooth, take out the hop bag, which squeeze well; add the potatoes and flour to the hop-water; stir till thick which usually takes 15 minutes; keep free from lumps. Before you begin, put into a large pan a large tablespoonful of molasses, and the same of sugar and salt; pour the above mixture on these ingredients, and let it stand till tepid, then add one pint of lively yeast, cover and set it in a warm place. As it rises beat down four times. After a little, put into a glass yeast jar which set in a pan, as it will keep on working and run over, but in this way none is wasted. Next morning fill and cork up ready for use. Shake well each time before using. This quantity lasts us two weeks, and is lively up to the last.

FRESHENING SALT FISH.—Many persons who are in the habit of freshening mackerel, or other salt fish, never dream that there is a right way and a wrong way to do it. Any person who has seen the process of evaporation going on at salt works, knows that the salt falls to the bottom. Just so it is in a pan where your mackerel lies soaking; and as it lies with the skin side down, the salt will fall to the skin and there remain; when, if placed with the flesh down, the salt falls to the bottom of the pan, and the fish comes out freshened as it should be. In the other case it is nearly as salt as when put in.

A cup of cold water placed in the oven when too hot, has saved us from many scorched pieces of meat and burnt cake. A basin, inverted over a small roast, will keep the juices in, and make it very palatable.

BRAN AS A MEDICAL AGENT.—A German scientific paper of recognized authority, Die Fundgrube, recommends tea of bran as a specific against coughs, colds, fever, and restlessness. To a handful of bran of either wheat or rye, should be added about a quart of water this should boil a good half hour, then be strained, and a little lemon or sugar may be added to suit the taste. It is said to make a pleasant and nutritious beverage, always having a quieting effect on the system.

VARIETIES.

"That is probably the oldest piece of furniture in England," said a collector of antique curiosities to a friend, pointing to a venerable looking table as he spoke. "How old is it?" asked the friend. "Nearly four hundred years." "Pshaw! that is nothing. I have an Arabic table over two thousand years old." "Indeed!" "Yes; the multiplication table."

A gentleman travelling in a railway carriage, was endeavoring, with considerable earnestness, to impress some argument upon a fellow-passenger who was seated opposite to him, and who appeared rather dull of apprehension. At length being slightly irritated, he exclaimed, in a louder tone. "Why, sir, it's as plain as A B C!" "That may be," quietly replied the other, "but I am D E F!"

A colored man came into a Galveston newspaper office and wanted to take the paper. "How long do you want it?" asked the clerk. "Jes as long as it is, boss. Ef it don't fit de shelves I kin tar a piece off myself."

MIGRATION (?).—The trees are beginning to get their trunks in order, and they'll keep them so all winter, so they can leave early in the spring.

To Architects, Builders and Others.

BROKENSHIRE'S PATENT MINERAL FIRE-PROOF ROOFING

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 BROKENSHIRE, 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.

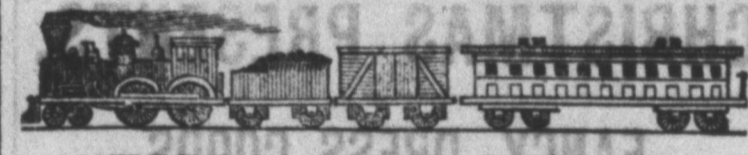
The most Perfect Satisfaction Guaranteed!

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.

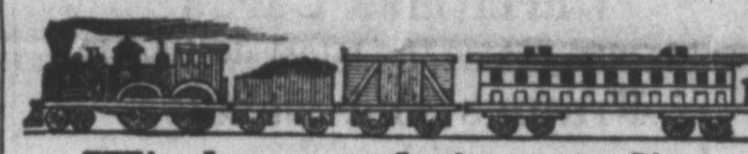
WINTER ARRANGEMENT.

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.

Fall Arrangement—Commencing Monday, 29th Nov., 1880.

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

Table with columns: Miles, GOING WEST, Express Daily, Passengers and Freight, Mon., Wed., and Friday only, Pass. & Frgt. Daily. Lists train times for Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, and Annapolis.

GOING EAST.

Table with columns: Miles, GOING EAST, Pass. and Freight Daily, Pass. and Freight Tuesday, Thursday and Saturdays only, Express Daily. Lists train times for St. John, Annapolis, Middleton, Berwick, Kentville, Wolfville, Windsor, and 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. Psalms, 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 Ridges Food, Pick-me-up Bitters, &c., with a well-assorted stock of Pure Drugs. April 17

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

BOOK BINDERS, PAPERS RULERS, BLANK BOOKS, Manufacturers, Performers, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market. Jan. 31.

KIDDER'S PASTILLES. A Sure Relief for Asthma. Price 35 cts. by mail. STOWELL & CO., Charlottetown, Mast.

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. ent.

C. E. GATES, Musical Departm., G. O. GATES, Manufacturing, W. J. Gates, Manager.

Oct. 1.

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 POSTAGE PREPAID.

STEPHEN SELDEN, PROPRIETOR, Office No. 69 & 71 Granville Street, Halifax, N. S.

Printing of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms.

MAGISTRATES BLANKS ALWAYS ON HAND