

The Messenger Almanac.

Table with columns for Day, SUN., MOON., High Tide, and Low Tide. Includes dates for New Moon, First Quarter, Full Moon, and Last Quarter.

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

Ayer's Hair Vigor.

For restoring Gray Hair to its Natural Vitality and Color.



A dressing which is at once a greable, healthy, and effectual for preserving the hair. Faded or gray hair is soon restored to its original color, with the gloss and freshness of youth.

HAIR DRESSING.

nothing else can be found so desirable. Containing neither oil, nor dye, it does not soil white cambric, and yet lasts long on the hair, giving it a rich, glossy lustre and a grateful perfume.

Prepared by Dr. J. C. Ayer & Co., Practical and Analytical Chemists, Lowell, Mass.

Just Published. TANNERS' CHEMISTRY I

BY PROFESSOR LAWSON, PH. D., & A. & W. Mackinlay, Publishers.

AGENTS For the Victoria B'n's Community... WANTED... Oct. 22, 1880.

JUST PUBLISHED—SENT FREE. Complete History of Wall Street Finance, containing valuable information for investors.

\$72 A WEEK. \$12 a day at home easily made. Costly outfit free. Address TRUE & Co., Augusta, Maine. Sept. 20, 1880.

THE FARM.

CHARCOAL AND LIME.—These two articles play a very important part in the management of fowls, whether bred in a fancier's yard or on a farm. Charcoal should be liberally fed, for no one thing is more conducive to health than is this.

It is recommended to lay in a stock of sods before cold weather, and stack them up in a corner of the hen-house or elsewhere under cover, where the hens can get at them during the winter.

Vermont boasts the best butter cow in the country. J. S. Kenerson, of Barnet, owns her, and she has made 675 pounds in a year.

SINGULAR.—Upwards of fifty years ago, Mr. Simon Oulton, of Marshy Hope, cleared a field on the rear of his farm. One day last week, a party of men were engaged chopping the second growth of wood on the same ground, and Mr. Oulton was among them, and able to do as good a day's work as any, though bordering on three score and ten.

The banking of celery (says W. D. Philbrick in The American Cultivator) is hard work, and requires two operations or shovellings to complete it. At the first banking, the earth between the rows is made mellow with a plough, and then three men are needed, two with long-handled shovels to throw the earth up, while the third gathers up the spreading stalks in his hands.

THE HOUSE.

It is said that the liquor made by thoroughly boiling the leaves and stems of the tomato is an excellent insecticide. It destroys the green or black fly, caterpillars, etc., and leaves behind a peculiar odor that prevents insects coming again for a long time.

TOMATO SOUP.—Boil a veal and a beef bone the day before the soup is to be used. The next day fry in butter two onions, two carrots, parsley, twelve cloves and a bay leaf till brown. Add this with a half a can of tomatoes to the soup. Boil two hours and strain before using.

BAKING-DAY, PUDDING.—After the bread dough has risen enough to knead, take about as much as would be required for a loaf of bread, work it well, roll out and spread over with butter, and with any kind of fruit, either stewed or fresh; roll it up, tie it in a well-floured cloth, leaving plenty of room to swell. Set it to rise as you would bread; when

risen well, put it in boiling water, and bail an hour and a half. Eaten with hot sauce.

A practical Vermonter tells "the American Cultivator" how to "burn a chimney out." He chose a rainy day. There had so much soot accumulated that it made a very hot fire, but by giving only a little draught the burning was safely performed.

To retain the color of any vegetable, plunge it into cold water after boiling. Cooks make the mistake of boiling things so much. After reaching the boiling point, meats should simmer.

It is always best to under-season rather than to over-season food.

When anything is accidentally made too salt, it can be counteracted by adding a tablespoonful of vinegar and a tablespoonful of sugar.

Meats of any kind should not be washed, but wiped with a towel to preserve the juice and quality.

SCIENCE.

New Inventions.

Some of the inventions exhibited of late are worthy of more than a passing notice. Here are two or three:

WATER-DRAWER.

The Champion Water-drawer merits attention. It consists of a compact well-cover, with a windlass and improved running gear. The bucket is oak, with an iron bottom in which are valves which admit the water and close as the bucket rises.

AN ARTIFICIAL MOTHER.

Sentimentally, it might seem cruel to usher tender infants into the world without a mother to care for them. But, this is just what the Perfection Infant is doing. It must be admitted, however, that it succeeds in meeting all the requirements of a mother, affection alone excepted.

CHURNS.

Various methods are resorted to for securing the maximum amount of agitation. There are the old-fashioned vertical motion, the horizontal, or swing motion, and the common rotary motion.

Several churns, operated by dog-power, drew crowds of curious people. It is surprising that dogs are not more generally used for this and kindred purposes. It is not (or need not be) a severe tax on the dog, and yet it would save the busy house-wife much time and labor.

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.

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.

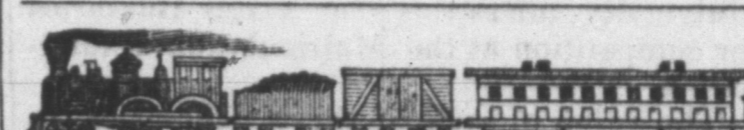
SUMMER ARRANGEMENT.

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

At 8.25 a. m.—Express for St. John, Pictou, and intermediate places. At 12.15 p. m.—Accommodation for Pictou. At 5.30 p. m.—Accommodation for Truro. At 6.45 p. m.—Express for St. John and Quebec.

WILL ARRIVE:—

At 9.45 a. m.—Accommodation from Truro. At 10.45 a. m.—Express from Quebec and from St. John. At 2.50 p. m.—Accommodation from Pictou. At 7.45 p. m.—Express from St. John. June 8, 1880.



Windsor and Annapolis Railway.

Summer Arrangement, For Halifax Time add 16 minutes.

Table with columns for Miles, GOING WEST, Express, Passengers and Freight, and Pass. & Frt. Daily. Lists stations like Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, Annapolis, and St. John.

GOING EAST.

Table with columns for Miles, GOING EAST, Pass. and Freight, and Express Daily. Lists stations like St. John, Annapolis, Middleton, Berwick, Kentville, Wolfville, Windsor, and Halifax.

Steamer "Empress" leaves St. John every Monday, Wednesday and Friday for Digby and Annapolis, and leaves Annapolis on arrival of Express Train from Halifax at 1.40 p. m. every Tuesday, Thursday and Saturday for Digby and St. John.

HALIFAX AND CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a. m., and New Glasgow at 1.45 p. m. Arrives at New Glasgow at 11.30 a. m., and at Antigonish at 4.15 p. m.

Western Counties Railway.

Train leaves Yarmouth daily at 7.45 a. m., and arrives at Digby at 11.15 a. m. on Monday, Wednesday and Friday; and at 11.45 a. m., on Tuesday, Thursday and Saturday. Leaves Digby on Tuesday, Thursday and Saturday at 3.30 p. m., and at 12.15 p. m. on Monday, Wednesday and Friday. Arrives at Yarmouth Tuesday &c., at 7 p. m., and on Monday &c., at 4.15 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 Dismissal 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 carelessly 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, Performers, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market, Jan. 31.

A Sure Relief for Asthma. KIDDER'S PASTILLES. Price 25 cts. by mail. STOWELL & CO., Charlestown, Mass. Feb. 25.

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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