

The Messenger Almanac.

Table with columns for 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 Southings 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.

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

Agents for the Christian Messenger.

- NOVA SCOTIA
Advocate Harbor—R. W. Spicer.
Amherst—W. F. Cutten, Esq.
Antigonish—T. M. King, Esq.
Aylesford—Rev. Dr. Tupper.
Aylesford Upper—Rev. J. L. Read.
Acadia Mines—I. D. Cook.
Barrington—Rev. W. H. Richan.
Berwick—John M. Parker, Esq.
Bridgewater—Wellesley J. Gates.
Bridgetown—Nathan K. Morse.
Brighton, Digby County—N. Westcott, Esq.
Brookfield—A. J. Leadbetter.
Beal's Mountain—John Whitman.
Bass River—Robinson Thompson.
Caledonia—B. L. Telfer.
Chester—Dr. DeWitt.
Clements—Jas. E. Potter, Esq.
Cornwallis—J. E. Lockwood.
Canso—W. A. Hutchison.
Do. Canning—Jas. S. Witter, Esq.
Digby—Rev. Joseph H. Saunders.
Digby Joggins—Wm. Aymar, Esq.
Digby Neck—Rev. J. C. Morse.
Debert River—Wm. McCully, 4th.
Dalhousie East—Thomas A. Wilson.
Economy—Josiah Soley.
Granville—Joseph D. Halford.
Grynbosc—Christopher Jost, Esq.
Greenfield—Robert Harlow.
Hantsport—C. I. Margesson, Esq., M. D.
Hillsburgh—Nelson Miller, Esq.
Hammond's Plains—David Thompson, Esq.
Kempt—Joseph D. Masters, Esq.
Kentville Melatiah Kinsman.
Liverpool—S. T. R. Bill, Esq.
Long Island—Isaiah Thurber, Esq.
Londonderry, Great Village—Ezra Layton.
Lawrencetown, Annapolis Co.—Jas. Wheelock.
Maccan, River Hebert—Hans Mills.
Milton, Queen's—G. Whitfield Freeman, Esq.
Mill Village—W. A. Reed.
Mahone Bay—Joseph Ham.
Margaree, C. B.—Lachlan McDonald.
New Germany—Adam E. Durland.
Newport—Wm. H. Knowles.
Nictaux—W. A. Morse.
New Albany—Daniel Whitman.
New Tuskent—Henry C. Sabean.
New Glasgow—J. F. Morrow.
North Kingston—Joseph Eaton.
Onslow—J. B. McNutt, Esq.
Paradise—M. E. Marshall.
Port Medway—James T. Foster.
Portauquique—Joseph Upham.
Pubnico—Isaac Larkin.
Pugwash—Angus McDonnell.
Parrsborough—Joseph M. Layton.
Rawdon—John McClearn, Esq.
River Philip—Thomas H. Patton.
Locke's Island—X. A. Chipman, Esq.
St. Mary's Bay, Digby Co.—Chas. McNeill, Esq.
New Ross—James Lantz.
Springfield—Isaac McNay, Esq.
Sydney, North, C. B.—A. G. Musgrave.
Sydney Town, C. B.—C. H. Harrington, Esq.
Tremont—John Wheelock, Esq.
Truro—L. J. Walker, Esq.
Upper Wilmot—Rev. W. E. Hall.
Westport—J. P. Nowlan.
Windsor—Andrew P. Shand.
Wilmot—Dr. J. Woodbury.
Wilmot, Canaan Road—Fletcher Wheelock.
Wilmot Mountain—Jas. P. Foster, Esq.
Wolfville—G. V. Rand.
Yarmouth—C. W. Sanders.
Do., Deerfield—Rev. J. A. Stubbart.
Do., Hebron—Wm. B. Doty.
Do., Ohio—George Crosby, Esq.
St. JOHN, N. B.—John F. Marsters, Esq.
PRINCE EDWARD ISLAND.
Bedouque—Rev. E. N. Archibald.
Cavendish—Rev. J. B. Woodland.
Crapaud—Dr. Tremaine.
Charlottetown—James Desbrisay, Esq.
West River—Rev. Malcolm Ross.
East Point, P. E. I.—Wm. M. McVane.

AGENTS For the Pictorial Bible Commentary... WANTED... BEADLEY, GARNETT & Co., Brantford, Ontario. Oct. 22. 1yr.

\$66 a week in your own town. Terms and \$5 outfit free. Address H. HALLETT & Co., Portland, Maine, Sept. 29, 1880.

SCIENCE.

DISTANCE OF THE HORIZON AT SEA.—The horizon, the boundary of the ocean visible from the deck of an ocean steamer, is only six miles off, and the vessel is virtually sailing through a circular pond twelve miles in diameter.

It is hardly necessary to say that the horizon is not the limit of vision at sea, so far as ships, ice-bergs, and other objects rising much above the water are concerned. The masts and sails of a vessel may be seen in clear weather when she is several miles beyond the horizon; and we can roughly estimate her distance by the depth to which she seems sunk in the water.

The cutter in a large tailoring house says that hardly one man in fifty is of well-balanced shape. Writers, he says are low in one shoulder and seemingly short in one leg, the arm on the misshapen side being apparently longer than the other.

WATERPROOFING CLOTH.—Cloth coated with linseed oil to which a little wax and litharge have been added, will be waterproof.

Prof. Alex. Graham Bell has received the Volta prize of \$10,000, as having made the best electrical discovery in the past fifteen years.

VARIETIES.

When the tailor is keeping you to try on your coat for the first time watch him closely. If he volubly praises the goods be sure that he is trying to distract your attention from some defect in the fit.

A machine that will "add up a column of figures a foot long in six seconds," is advertised by a shrewd rascal. He sends a piece of chalk with directions to use it on a barn door or other surface big enough to hold figures a foot long.

We are ruined not by what we really want, but by what we think we do; therefore never go abroad in search of your wants. If they be real wants, they will come home in search of you; for he that buys what he does not want will soon want what he cannot buy.

A GENTLEMAN.—The following item is worth consideration: "A patron of a newspaper said to the publisher: 'How is it that you never call on me for pay for your paper?' 'Oh,' said the editor, 'we never ask a gentleman for money.' 'Indeed,' replied the patron, 'How do you manage to get along when they don't pay?' 'Why,' said the editor, 'after a certain time we conclude he is not a gentleman, and then we ask him. 'Oh, yes I see. Mr. Editor, please give me a receipt. Make my name right on your books; that is, put it down among the gentlemen.'"

Rev. Dr. Hall said every blade of grass was a sermon. The next day, he was amusing himself by clipping his lawn, when a parishioner said: "That's right, doctor; cut your sermons short."

Married.—In Chillicothe, Sept. 12, Herbert L. Rollingstone and Emma J. Moss." Thus does one familiar proverb receive a death blow.

If you wish to take care of your health, take air.

Malice drinks one half of its own poison. We ask advice, but we mean approbation.

AGRICULTURE.

A LESSON FROM THE FLOWERS.—A writer on floriculture, says:

All lovers of flowers should remember that one blossom allowed to go to seed, injures the plant more than a dozen new buds. Cut your flowers, all of them, before they begin to fade. Adorn your rooms with them; put them on your table; send bouquets to your friends who have no flowers, or exchange favors with those who have. You will find that the more you cut off, the more you will have.

Is not this a beautiful exemplification of the text: "There is that giveth and yet increaseth; and there is that withholdeth and it tendeth to poverty"? Neither flowers nor men can live selfishly without loss. If we would make our lives beautiful, fragrant, fruitful, happy, we must give freely: We must live more for others than for self.

WHAT NOT TO KILL.—The French Minister of Finance has done a good deed in causing a placard to be posted, which it would be wise for citizens of all countries to have before their eyes. It tells farmers, sportsmen, boys and others, what creatures not to kill, as follows:

HEDGE-HOG—Lives mostly on mice, small rodents, slugs and grubs—animals hurtful to agriculture. Don't kill the hedge-hog.

TOAD—Farm assistant; he destroys twenty to thirty insects per hour. Don't kill the toad.

MOLE—Is constantly destroying grubs, larvae, palmer-worms and insects injurious to agriculture. No trace of vegetation is ever found in its stomach. Don't kill the mole.

BIRDS—Each department loses several millions annually through insects. Birds are the only enemies able to contend against them vigorously. They are the great caterpillar killers and agricultural assistants. Children, don't disturb their nests.

LADY-BIRD—Never destroy, for they are the best friend of farmers and horticulturists, and their presence upon aphid-ridden plants is beneficial.

Corn loses one-fifth by drying and wheat one-fourteenth. From this the estimate is more profitable for farmers to sell unshelled corn in the fall at seventy-five cents than at \$1 a bushel in the following summer, and the wheat at \$1.25 in December is equal to \$1.50 in the succeeding June. In the case of potatoes—taking those that rot and are otherwise lost, together with the shrinkage—there is but little doubt that between October and June the loss to the owner who holds them is not less than 33 per cent.

Old age is the night of life, as night is the old age of the day. Still, night is full of magnificence; and for many it is more brilliant than the day.

HEALTH HINTS.

AN EMETIC FOR CHILDREN.—A writer in the British Medical Journal declares that glycerine in half teaspoonful doses is a simple and effective emetic for children.

TREATMENT OF BURNS.—Dr. Shrad, of N. York, recommends that burns be treated by applying a paste composed of three ounces of gum arabic, one ounce of gum tragacanth, one pint of carbolic water (one part of sixty), and two ounces of molasses. The paste is to be applied with a brush, renewed at intervals, and is stated to be a successful method. Four applications are usually sufficient, the granulating surfaces being treated with simple cerate, or the oxide of zinc ointment, as indicated.

HOW TO OBTAIN SLEEP.—The following is recommended as a cure for sleeplessness: "Wet half a towel, apply it to the back of the neck, pressing it upward toward the base of the brain, and fasten the dry half of the towel over so as to prevent the too rapid exhalation. The effect is prompt and charming, cooling the brain and inducing calmer, sweeter sleep than any narcotic. Warm water may be used, though most persons prefer cold. To those who suffer from over-excitement of the brain, whether the result of brain work or pressing anxiety, this simple remedy has proved an especial boon."

The Medical Gazette says that children should never be allowed to eat anything between meals, excepting dry bread. If they cannot eat that, they are not hungry. Indulgent mothers ruin the digestion of their children by allowing them to eat dainties.

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.

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, GOING EAST, and Express Daily. Lists train schedules between Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, and Annapolis.

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 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 Ridges Food, Pick-me-up Bitters, &c., with a well-assorted stock of Pure Drugs, April 17

Nova Scotia Book Bindery,

G. & 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.

KIDDER'S PASTILLES.

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

MUSICAL.

GATES BROS.,

Manufacturers of ORGANS AND PIANOS,

Organs from \$75 and upwards. War-ranted 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