

The Messenger Almanac.

MAY, 1881.

First Quarter, May 6th, 6h. 30m. M.
Full Moon, " 13th, 6h. 10m. A.
Last Quarter, " 20th, 10h. 53m. M.
New Moon, " 27th, 7h. 22m. A.

Day	SUN.	MOON.	High Tide
Rise.	Set.	Rise.	South. Sets. at Halifax
1 Su.	4 54 7	0 6 50	2 38 10 17 9 38
2 M.	4 53 7	1 7 55	3 29 11 3 10 16
3 Tu.	4 51 7	2 8 52	4 17 11 42 10 51
4 W.	4 50 7	3 9 51	5 3 11 53 11 31
5 Th.	4 48 7	4 10 52	5 48 0 15 M
6 Fr.	4 47 7	5 11 52	6 31 0 44 0 16
7 Sa.	4 46 7	6 12 52	7 14 1 10 1 7
8 Su.	4 44 7	7 13 52	8 0 1 35 2 10
9 M.	4 43 7	8 14 52	8 41 1 57 3 24
10 Tu.	4 42 7	9 15 52	9 27 2 22 4 28
11 W.	4 41 7	10 16 52	10 16 3 17 5 25
12 Th.	4 39 7	11 17 52	11 10 4 11 6 13
13 Fr.	4 38 7	12 18 52	12 1 5 3 6 55
14 Sa.	4 37 7	1 19 52	1 10 6 3 7 39
15 Su.	4 36 7	2 20 52	1 51 7 3 8 19
16 M.	4 35 7	3 21 52	2 42 8 3 9 3
17 Tu.	4 34 7	4 22 52	3 33 9 3 9 48
18 W.	4 33 7	5 23 52	4 24 10 3 11 26
19 Th.	4 32 7	6 24 52	5 15 11 3 12 22
20 Fr.	4 31 7	7 25 52	6 6 12 3 13 18
21 Sa.	4 30 7	8 26 52	7 0 1 3 14 15
22 Su.	4 29 7	9 27 52	7 51 2 3 15 11
23 M.	4 28 7	10 28 52	8 42 3 3 16 7
24 Tu.	4 27 7	11 29 52	9 33 4 3 17 3
25 W.	4 26 7	12 30 52	10 24 5 3 18 10
26 Th.	4 25 7	1 31 52	11 15 6 3 19 16
27 Fr.	4 24 7	2 32 52	12 6 7 3 20 12
28 Sa.	4 23 7	3 33 52	1 0 8 3 21 8
29 Su.	4 22 7	4 34 52	1 51 9 3 22 4
30 M.	4 21 7	5 35 52	2 42 10 3 23 1
31 Tu.	4 20 7	6 36 52	3 33 11 3 23 58

THE TIDES.—The column of the Moon's Position 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. 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.

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." 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, to the Officials of the U. S. Patent Office, and to Senators and Members of Congress from every State. Address:

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

VICK'S ILLUSTRATED FLORAL GUIDE

For 1881 is an elegant book of 120 pages, One Colored Flower Plate, and 600 Illustrations, with Descriptions of the best Flowers and Vegetables, and Directions for growing. Only 10 cents. In English or German. If you afterwards order seeds deduct the 10 cents.

VICK'S SEEDS are the best in the world. The FLORAL GUIDE will tell how to get and grow them.

Vick's Flower and Vegetable Garden, 175 pages, 6 Colored Plates, 500 Engravings. For 50 cents in paper covers; \$1.00 in elegant cloth. In German or English.

Vick's Illustrated Monthly Magazine—32 pages, a Colored Plate in every number and many fine Engravings. Price \$1.25 a year; Five Copies for \$5.00. Specimen Numbers sent for 10 cents; 3 trial copies for 25 cents.

Address, JAMES VICK, Rochester, N. Y.

J. C. DUMARESQUE, ARCHITECT.

Plans, Specifications, &c., of Churches, Country Residences, and all kinds of Buildings, prepared to order.

OFFICE: JARVIS BUILDING, Prince William Street, St. John, N. B.

HALIFAX STEAM DYE WORKS, 566 Upper Water Street HALIFAX, N. S.

Cheapest place in the City. COATS DYED AND PRESSED for \$1.00. FEATHERS DYED ALL SHADES AND CURLED.

COATS, DRESSES, CURTAINS, SHAWLS, SACQUES, &c., Dyed to look like New.

JOHN HUBELEY, Proprietor. Oct. 22.

SCIENCE.

THE PHYSICAL MACHINERY.—The average weight of an adult man is 140 lbs. 6 oz.

The weight of a skeleton is about 14 lbs. The number of bones 240.

The skeleton measures one inch less than the height of the living man.

The average weight of the brain of a man is 3½ lbs.; of a woman, 2 lbs. 1 oz.

The brain of a man exceeds twice that of any other animal.

The average number of teeth is 32.

A man breathes about 20 times a minute, or 1,200 times an hour.

A man breathes about 18 pints of air in a minute, or upwards of 7 hogheads in a day.

A man gives off 4.08 per cent. carbonic gas of the air he respires; respires 10,666 feet of carbonic acid gas in 24 hours; consumes 11,667 cubic feet of oxygen in 24 hours, equal to 125 cubic inches of common air.

The average of the pulse in infancy is 120 per minute; in manhood, eighty; at sixty years, sixty. The pulse of females is more frequent than that of males.

The weight of the circulating blood is about twenty-eight pounds.

The heart beats seventy-five times in a minute; sends nearly ten pounds of blood through the veins and arteries each beat; makes four beats while we breathe once.

Pain it appears, may be lessened by forced and rapid breathing. Experiments have been made by Dr. Lee, a surgeon at Philadelphia, his attention having been first called to the subject by a servant he had sent to the dentist to have a tooth extracted. The dentist asked her to breathe as quickly as she could, and while she did so the tooth was extracted without pain. A successful trial of this simple remedy was afterwards made when operating upon an abscess.

CEMENT FOR LEATHER.—One who has tried everything says that after an experience of fifteen years he has found nothing to equal the following as a cement for leather belting: common glue and isinglass, equal parts, soaked for ten hours in just enough water to cover them. Bring gradually to a boiling heat, and add pure tannum until the whole becomes rosy or like the white of eggs. Buff off the surface to be joined, apply this cement, and clamp firmly.—Illustrated Scientific News.

CARBOLIC ACID.—In the Boston Journal of Chemistry for February a physician states as the result of his own experiments upon himself, that chronic bronchitis and severe coughs have been cured by the inhalation of a five per cent. solution of carbohc acid; that for three-and-a-half years he has not had a cough, sore throat or cold in the head. But as causes producing catarrhs and coughs are always acting, he uses the spray more or less every day. Many who have used it under his directions have been at once cured of ordinary coughs and relieved of catarrh. He uses Shentleff's atomizer. Five per cent. spray was given a baby three months old and cured her immediately. In a case of eczema palmaris pure carbohc acid applied freely removed all disagreeable sensations. Glycerine was afterwards applied to prevent dryness of the skin. One application of carbohc acid one part, and glycerine two parts will generally cure chapped hands. It will also cure ringworm. For ordinary burns, one part of carbohc acid and ten of sweet oil is used. Saturate cotton-batting with this and apply.

THE HOUSE.

SCRAMBLED EGGS.—Many use only eggs with butter and salt for this dish—for four eggs, one tablespoonful of butter. Melt the butter and turn in the beaten eggs, and stir quickly one or two minutes over a hot fire. A common practice is to increase the quantity without impairing the quality by adding milk—a small cupful to six eggs, and a table spoonful of butter with salt and pepper as preferred. Stir these ingredients over a hot fire (putting in the butter first) until the whole thickens. It should be soft and creamy when done. It is very fine served on toast.

COOKING RICE.—The Japanese, in cooking rice, put it into just enough of cold water to cover it, and the fire is only moderate. The close fitting cover keeps the steam in, and in fact the rice is steamed rather than boiled, and comes out as white as snow.

AGRICULTURE.

TRY IT.—The pleasure arising from the care of a garden more than compensates for the loss of the land used for the purpose, and the variety afforded in the occupation is a hygienic experiment well worth trying. Women can manage fruit-trees and vines quite as well as men, and it both kinds of gardening are systematically persevered in, it will be found, in a little while, so profitable, that the women can afford from the profits to hire their sewing done and save their health by exemption from the everlasting sewing which occupies every moment snatched from other work.

Spring is a good time to make and repair garden walks. Underdrained ones are the best, and in fact the only ones that can be depended upon to give satisfaction. Those made on the natural ground are not only troubled with grass and weeds, but "wash" and hold surface water. Garden walks should be kept well gravelled.

The ground for peas should not be very rich. A rich soil produces vines instead of pods.

In Sioux City, Iowa, thirty-five cents a bushel was readily paid recently for corn to be used as fuel. Buyers preferred it to green wood even at that price.

The estimated number of cows in the United States is 12,000,000. The product in butter, cheese and milk, including what is used on the farms, is estimated at \$400,000,000.

The Boston Journal of Chemistry asserts, and presents some solid facts to support its statement, that the experiments made in New England to raise beets and manufacture sugar have proved thus far disastrous failures.

Charcoal is quite necessary to the health of fowls, and the best way to supply it to them is to char ears of ripe corn well, and shell off the corn. They will eat it greedily, to the great benefit of their health, and the increase of eggs.

An experienced gardener finds that among the varieties of cucumbers the Early Cluster gives the best satisfaction. It does not run much to vine, is very prolific, and makes a pickle of the best size and shape. It is in bearing in six weeks, if not planted until the weather is warm and settled.

VARIETIES.

A little fellow turning over the leaves of a scrap-book, came across the well-known picture of some chickens just out of the shell. He examined the picture carefully, and then, with a grave sagacious look, slowly remarked: "They came out 'cos they was afraid of bein' boiled."

The New York World makes neat definitions: "Mr. Longfellow can take a worthless sheet of paper, and by writing a poem on it make it worth \$50. That's genius. Mr. Vanderbilt can take a sheet of paper and by writing fewer words on it can make it worth \$50,000. That's capital."

An aged negro, the other day was showing the scars of the wounds inflicted by the lash when he was a slave. "What a picture!" exclaimed a sympathizing looker-on. "Yes," responded the colored brother, "dat's de work ob de old masters."

A wealthy man, displaying one day his jewels to a philosopher, the latter said, "Thank you, sir, for being willing to share such magnificent jewels with me." "Share them with you, sir? what do you mean?" "Why, you allow me to look at them; and what more can you do with them yourself?"

A family table ought to be bright and cheerful, a sort of domestic altar where everyone casts down his or her offering, great or small, of pleasantness or peace; where, for at least a brief space in the day, all annoyances are laid aside, all stormy tempers hushed, all quarrels healed; every one being glad and content to sit down at the same board and the same bread and salt, making it, whether it were a rich repast or a dinner of herbs, equally joyful, almost a sacramental meal.

A certain amount of opposition is a great help to a man. Kites rise against and not with the wind. Even a head wind is better than none. No man ever worked his passage anywhere in a dead calm. Let no man wax pale, therefore, because of opposition.—John Neal.

The Old Testament is the Gospel enfolded; the New Testament is the gospel unfolded.



INTERCOLONIAL RAILWAY.

WINTER ARRANGEMENT.

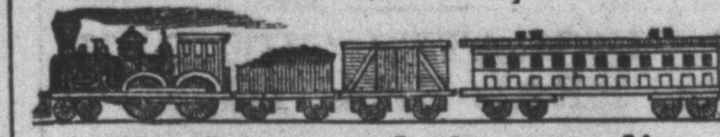
TRAINS leave Halifax daily (Sunday excepted) as follows:—
(Halifax time.)

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.

Spring Arrangement—Commencing Monday, April 4th, 1881.

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

Miles.	GOING WEST	Express Mon., Wed., and Saturday only.	Passengers and Freight, Daily.	Pass. & Frgt. Daily.
Halifax.....	Leave	7 45	7 45	8 00
46 Windsor.		9 40	10 55	6 15
64 Wolfville.		10 30	12 02	7 17
71 Kentville.		11 05	12 50	7 40
83 Berwick.		11 30	1 43	
		P. M.		
102 Middleton.		12 23	2 58	
130 Annapolis.	Arrive	1 40	5 00	
St. John.	do	7 30		

Miles.	GOING EAST.		Pass. and Freight Daily.	Pass. and Freight Daily.	Express Mon., Wed. & Sat.
	St. John.	Leave	A.M.	A. M.	A. M.
	Annapolis.	Leave		7 30	8 00
28	Middleton.			9 30	3 42
47	Berwick.			10 58	4 30
59	Kentville.		6 30	12 30	5 12
66	Wolfville.		6 57	12 58	5 33
				P.M.	
84	Windsor.		8 15	2 30	6 27
130	Halifax	Arrive	11 00	5 25	8 25

Steamer "Empress" 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.

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 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, Performers, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market. Jan. 31.

A Sure Asthma Remedy. Price 25 cts. by mail. STOWELL & CO. Charlottetown, Mass.

KIDDER'S PASTILLES. Feb. 25.

FREE GIFT! TO ALL who suffer with CONSUMPTION, ASTHMA, SORE THROAT, BRONCHITIS, or NASAL CATARRH.

I will send a copy of MEDICAL COMMON SENSE, free of charge. It is elegantly printed and illustrated; 144 pages, 12mo, 1870. It has been the means, in the province of God, of saving many valuable lives. The book is invaluable to persons suffering with any disease of the Nose, Throat, or Lungs. Send name, with P. O. Address and six cents to pay cost of mailing to Dr. N. B. WOLFE, Cincinnati, Ohio.

Dec. 24.

WHOLESALE.

1880. FALL 1880.

STOCK NEARLY COMPLETE.

Our Importations

THIS SEASON

Are the Largest

—IN THE—

MARITIME PROVINCES.

SMITH BROS.

Sept. 29.

BRITISH AMERICAN BOOK AND TRACT SOCIETY,

143 GRANVILLE ST., Halifax, N. S.

TO ALL INTERESTED IN THE CIRCULATION OF CHEAP RELIGIOUS PERIODICALS IN THE SUNDAY SCHOOL AND FAMILY.

THE following are the prices of a few of the magazines and Periodicals furnished by the above Society. Full lists and samples will be furnished upon application. Address as above. TERMS—Cash in advance.

MAGAZINES *Sunday at Home, \$1.75; *Sunday Magazine, \$1.75; *Good Words, \$1.75; *Christian Treasury, \$1.75; *Lighthouse, \$1.75; *Quiver, \$1.75; *Welcome, 1.75; CHILDREN'S MAGAZINES—*Boy's Own Paper, \$1.75; *Girl's Own Paper, 1.75.

Papers—*British Workman, 28c.; 34c.; 38c.; *British Messenger, 28c.; 34c.; 38c.; *British Workwoman, 28c.; 34c.; 38c.; *Child's Companion, 28c.; 34c.; 38c.; *Children's Friend, 28c.; 34c.; 38c.; *Cottager and Artisan, 28c.; 34c.; 38c.; *Family Friend, 28c.; 34c.; 38c.; *Friendly Visitor, 28c.; 34c.; 38c.; *Infant's Magazine, 28c.; 34c.; 38c.; *Band of Hope Review, 14c.; 20c.; 24c.; *Children's Paper, 14c.; 20c.; 24c.; *Gospel Trumpet, 13c.; *Good News, 10c.; *Good Cheer, 10c.; *Old and Young, 5c.

Those marked thus * are beautifully illustrated. + These figures denote the 1st, 2nd and 3rd rates. 1st—when five papers or more of one or different kinds are ordered to one address; 2nd—price per copy when two or four papers are ordered to one address—of one or different kinds on the list; 3rd—price for single copy to one address. Jan. 26. 3m.

\$12 a day at home. Agents wanted. Outfit and terms free. TRUE & CO., Augusta, Maine.

March 8. 1yr

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.



1879—Provincial Exhibition—1879

Fraser & Sons,

82 & 84 Barrington Street, Halifax, N. S.

EXHIBITED SQUARE AND UPRIGHT

PIANOS,

—And were Awarded—

DIPLOMA AND HIGHEST PRIZE.

These Pianos were not got up for exhibition, but were ordinary manufacture. We invite inspection of our instruments; all first class and warranted to give satisfaction.

Piano-Fortes, Cabinet and Church Organs Tuned and repaired. Nov. 5.

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