

The Messenger Almanac, NOVEMBER.

Last Quarter, Nov. 7th, 1h. 41m. M. New Moon, " 13th, 8h. 34m. A. First Quarter, " 20th, 2h. 41m. A. Full Moon, " 28th, 4h. 43m. A.

Table with columns: Day, SUN, MOON, High Tide. Rows for days of the month from 1st to 30th.

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 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.

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.

For Consumption

And all diseases that lead to it; such as COUGHS, NEGLECTED COLDS, BRONCHITIS, PAIN IN THE CHEST, AND ALL DISEASES OF THE LUNGS.

ALLEN'S LUNG BALSAM

IS THE GREAT MODERN REMEDY

IT IS WARRANTED to break up the most distressing Cough in a few hours time, if not of too long standing. It is WARRANTED to give entire satisfaction even in the most confirmed cases of Consumption!

PRICE \$1 PER BOTTLE.

SOLD BY ALL DRUGGISTS.

Apr 22.

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."

50 VISITING OR CALLING CARDS

with your name finely printed, sent for 25 cents. Agents wanted. 6 samples sent for three cent stamp.

AGRICULTURE.

The Prickly Comfrey.

Considerable attention is being lately given to the cultivation of a new plant used for fodder. The Prickly Comfrey is said to be fully equal to the cabbage or the beet for feeding to cattle or horses.

Prickly Comfrey is a valuable plant for soiling cattle, yielding an enormous amount of green forage (said sometimes to exceed one hundred tons to the acre) The leaves are removed from time to time during the season. It is a native of the Caucasus Mountains, and withstands the coldest climate.

Comfrey leaves are the first product of the soil in the early spring. It is claimed that with sets planted in the autumn, the yield per acre of the first season will be 20 tons of green leaves, of the second 50 tons, and of the third 80 to over 100 tons.

Dr. Voelcker's analysis gives a produce of actual nutritious matters amounting to at least 10,000 lbs per acre, for a green crop of 50 tons of the best hay, and would be fully equal to 50 tons of corn fodder.

The leaves are greedily eaten by horses, cattle and swine.

It will improve the yield and flavor of milk very much.

It is especially valuable for furnishing poultry confined in a yard, with a supply of fresh vegetable food.

For those who have right land it is a most valuable plant, yielding an immense amount of green fodder, especially suitable for milch cows, and excellent for other domestic animals.

In several of the dairy centres in Massachusetts the farmers after a trial are largely increasing their plantations, and we hear good accounts from other quarters, but the most positive proof that the comfrey has now an established value, is in the fact that dealers have made arrangements for large supplies.

One seed house of our acquaintance, that at first offered it with caution, has contracted for an immense quantity, and another, which would hardly touch it at first, has arranged for half a ton of the roots.

One of our exchanges remarks in addition: "The highest authorities state that there is no milk secreted in the udder of the cow, except when she is ruminating or at rest. And if this be the case, how vain it is to expect a large flow of milk where the cows have to travel all day under a hot sun, and pestered with flies, over the dry, bare pastures of this Province.

The system of soiling milch cows must soon be adopted by all our intelligent, go-a-head farmers. Under that system one cow would give as much milk as three by the old method. Therefore, the supplying of a portion of the feed in prickly comfrey, say from ten to twenty pounds night and morning, would give the farmers most profitable returns.

The past few dry seasons show the great need of a plant of this kind, and no plant yet discovered will give the same amount of rich, green forage, through the entire season, and from year to year.

SCIENCE.

THRIFT OF THE FRENCH WORKING CLASSES.—The most striking fact with regard to the French working classes is that nearly all are possessed of money. However little they earn they save something. Thrift is their great characteristic; in fact it is said of the French operative that they spend less in proportion to their means than any in the world.

Many keep their accumulations in any old stocking secreted in their houses; others—a daily increasing number—invent in various securities, the most popular investment being the purchase of land. Every Frenchman, when he can, becomes the owner of the house in which he lives. Of course he is greatly aided in this by the French land laws and laws of inheritance, which cut the whole country

up into small holdings. Savings banks with government security, building clubs, sick clubs and friendly societies are also in favor; but no money is tied up in trade unions.

THE ATMOSPHERE IN EGYPT it would seem has much to do with the preservation of the ruins for which that region is particularly noted:

It is feared that the atmosphere of London will soon damage the surface of Cleopatra's Needle. The Luxor obelisk, erected in the Place de la Concorde in Paris in 1836, is some 3,400 years old, having stood with another still larger one before the great temple of Thebes. The stone is syenite granite of a brownish red color.

Thirty-six years of exposure to the atmosphere of Paris has affected the stone more than the same number of centuries' exposure to the purer air of Egypt.

VOCAL GYMNASTICS.—The common belief that frequent and prolonged use of the voice in singing is injurious to the health would appear to depend on the investigations of a Russian scientist, as reported in a St. Petersburg medical journal.

The examinations included 222 singers, whose ages ranged from nine to fifty-three years, and were made with reference to size, chest circumference and breathing capacity.

Among the deductions drawn from these examinations, one of the most important is, that vocal training appears to exert a remarkably beneficial influence upon cases having a tendency to consumption.

It was found that the circumference of the chest is greater in vocalists than in those who are not. Indeed, for strengthening and enlarging the chest, singing is ranked above ordinary gymnastics.

Rosa Bonheur has presented to the Spanish Government a life-size painting of a lion, and the picture is to be placed in the Madrid Gallery, despite the rule prohibiting the exhibition of the works of living artists. This is a high compliment, certainly, to the genius of the French painter.

The students of Dartmouth College exercise their muscles by laying out the College park in drives and walks, and providing rustic decorations. Better than hazing or fighting the Faculty.

Harvard has a Chinese Professor—a slender, richly dressed man of forty, named Ko-Kun-Hua. He has a wife and six children with him, and has engaged to teach Mandarin Chinese for three years at \$200 a month.

THE HOUSEHOLD.

The Japanese, who ought to know how to cook rice, put only enough water in to prevent the rice from burning to the bottom of the pot, which is closely covered. The rice is steamed rather than boiled, until it is nearly done; then the cover of the pot is taken off, the surplus steam and moisture are allowed to escape, and the rice turns out a mass of snow-white kernels each separate from the other.

CHEAP PAINT FOR FARM BUILDINGS.—The following is a very cheap and excellent paint for farm buildings, forming a hard surface, and, as its hardness increases by time, it is far more durable than paint: Take freshly burned unslacked lime and reduce it to powder. To one peck or one bushel of this add the same quantity of fine white sand or fine coal ashes, and twice as much fresh wood ashes, all these being sifted through a fine sieve. They should then be thoroughly mixed together while dry. Afterwards mix them with as much common lincseed oil as will make the whole thin enough to work freely with a painter's brush.

This will make a paint of light gray stone color; nearly white. To make it fawn or drab add yellow ochre and Indian red; if drab is desired add burnt amber, Indian red and a little black; if dark stone color, add lampblack, or if brown stone, then add Spanish brown. All these colors should, of course, be first mixed in oil and then added. This paint is very much cheaper than common oil paint. It is equally well suited to wood, brick or stone. It is better to apply it in two coats—the first thin the second thick.—Farmer's House Journal.

FOR SQUEAKING BOOTS.—Oil the soles thoroughly with tanners' oil. Place them near the fire for an hour, then repeat the operation until they will not retain more oil. The next day rub off all oil, and wear them for the first time out of doors, in the dust, if possible.



MILLER BROTHERS,

Middleton, Annapolis Co., N. S. or Charlottetown, P. E. I.

IMPORTERS AND DEALERS IN Sewing Machines,

of both American and Canadian Manufacturers, over 20 different kinds in stock, among which is

THE RAYMOND,

the most Popular Machine in the market.

THE REPAIRING of all SEWING MACHINES

will be attended to.

SHUTTLES, NEEDLES & EXTRAS

of all kinds in stock.

Sewing Machines!

FROM

\$5.00 to \$100.00.

SECOND-HAND MACHINES

taken in exchange as part payment for new ones.

All SEWING MACHINES

warranted.

ALSO, IMPORTERS AND DEALERS IN

ORGANS,

Mason and Hamlin,

Geo. A. Prince,

Geo. Woods,

The Bell, &c.

PIANOS,

Weber,

Steinway,

Emerson,

&c. &c.

Of BOTH AMERICAN AND CANADIAN

Manufacturers. Instruments guaranteed for five years and sold on easy terms. Liberal reduction to Clergymen, Churches and Sabbath Schools. Good Local Agents wanted in Towns, where not yet appointed.

MILLER BROTHERS,

Middleton Annapolis Co., N. S.

March 5.

THE BAPTIST HYMN BOOK

published by the Baptist Publication Society, may be obtained at the

CHRISTIAN MESSENGER OFFICE, HALIFAX

CHEAP EDITION.—Square 18 mo. Clear Agate type. 1,000 Hymns for 50 cents. Bound in morocco.

POCKET EDITION.—24mo. Handsome Minion type. Sheep, 75 cents. Extra Turkey, \$2.

PEW EDITION.—18mo. Sheep, \$1.20. Extra Turkey, \$3.25.

PULPIT EDITION.—12mo. Small Pica type. Sheep, \$2.00. Extra Turkey, \$4.00.

BAPTIST HYMN & TUNE BOOK

The Hymns of the Baptist Hymn-Book adapted to music. It contains 325 of the BEST STANDARD TUNES IN THE WORLD. This book has no equal as a Hymn and Tune Book.

Price \$1.00.

It is strongly and beautifully bound in the finest English Muslin and best style, with red edges—special attention is given to the strength of the binding.

ONE THOUSAND HYMNS, AND THREE HUNDRED AND TWENTY-FIVE TUNES FOR ONLY \$1.00.

THE HYMN & TUNE BOOK

costs for postage 4 cents. Parties wishing a copy by mail sending \$1.04 will have a copy sent by return mail.

Orders received and filled for the Society's publications or any other books, CHRISTIAN MESSENGER OFFICE, No. 71 GRANVILLE ST., HALIFAX, Sept. 16.

TRURO

MARBLE & FREESTONE WORKS,

CORNER OF

Prince & Waddell Sts., Truro, N. S.

A. J. WALKER, Proprietor.

MONUMENTS, HEADSTONES, TABLETS, TABLE TOPS, SOAP STONES, &c., &c. All work executed in the most approved style.

Orders from the country personally and promptly attended to.

Orders will also be received for Red Granite Monuments.

Feb. 20, * to Dec. 31, '79.

WESTERN COUNTIES RAILWAY.

1879. Arrangement. 1879.

TRAINS LEAVE HALIFAX

7.55 a. m.—Express daily for St. John and intermediate points.

3.30 p. m.—Express daily for Windsor. Connection for Kentville and intermediate points on Tuesday, Thursday and Saturday.

8.20 a. m.—Passengers and freight Monday, Wednesday and Friday, for Annapolis and intermediate points.

Arrive at Windsor—9.40 a. m., 5.40 p. m., 11.15 p. m.

LEAVE WINDSOR:

7.00 a. m.—Express, Tuesday, Thursday and Saturday.

10.00 a. m.—Express, on arrival of train from Kentville, Monday, Wednesday and Friday.

2.00 p. m.—Passengers and Freight Tuesday, Thursday and Saturday.

6.50—Express daily.

Arrive at Halifax 9.28 a. m.—noon, 4.50 p. m., and 8.30 p. m.

July 1, 1879.

WINDSOR & ANNAPOLIS Railway.

Summer Arrangement, Commencing 1st July, 1879.

GOING WEST.

Miles. Express Daily. Pass. & Frgt. Mon. Wed. & Fri. Passengers and Freight, Tues. & Saturday.

10 Windsor..... Leave 9 45 12 00 5 45

18 Wolfville do 10 40 1 15 6 56

25 Kentville, Arrive 11 00 1 45 7 20

37 Berwick Leave 11 15 2 20

53 Wilmot Leave 11 46 3 12

84 Annapolis, Arrive 12 26 4 27

[St. John, do 1 50 6 30

GOING EAST.

Miles. Pass. and Freight Mon. Wed. and Fri. Passengers & Frgt. Tues. & Sat. Express Daily.

St. John, Leave A. M. A. M. A. M. 8 00

Annapolis, Leave 6 15 2 40

31 Wilmot, do 8 19 4 42

47 Berwick Leave 9 25 4 44

59 Kentville, Arrive 10 20 5 15

do Leave 7 30 11 05 6 25

66 Wolfville, do 7 57 11 40 6 45

84 Windsor, Arrive 9 00 1 00 6 40

Steamer "Empress" leaves St. John every Monday, Wednesday and Saturday and Annapolis, to return on Tuesday, Wednesday and Saturday.

INTERCOLONIAL RAILWAY.

1879 SUMMER ARRANGEMENT 1879

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

At 8.05 a. m. (Express) for St. John, Pictou and intermediate points.

At 12.15 p. m. (Accommodation) for Pictou and intermediate points.

At 5.00 p. m. (Accommodation) for Truro and intermediate points.

At 6.15 p. m. (Express) for St. John, Riviere du Loup, Quebec, Montreal, and the West.

WILL ARRIVE:—

At 9.15 a. m. (Accommodation) from Truro.

At 10.35 p. m., (Express) from St. John, Riviere du Loup, Quebec, Montreal, and the West.

At 2.55 p. m. (Accommodation) from Truro and Pictou.

At 7.40 p. m., (Express) from St. John, Point du Chene, Pictou and intermediate points.

July 23, 1879.

TO INVENTORS AND MECHANICS.

NO PATENT NO PAY.

PATENTS

and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—

GILMORE, SMITH & CO.,

SOLICITORS OF PATENTS,

Box 31, Washington, D. C.

Feb. 12.

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.