The Messenger Almanac.

December.

Full Moon, Dec. 1st, 6h. 49m. morning.
Last Quarter, " 7th, 10h. 9m. afternoon.
New Moon, " 15th, 2h. 0m. "
First Quarter, " 23rd, 7h. 27m. "
Full Moon, " 30th, 5h. 44m. "

Day	Day W.	SUN. Rise.	Sets.	MOON. Rises.	South.	Sets.	High Tide at Halifax
1	Fr..	7 22	4 17	4 25	M.	7 20	6 50
2	Sa..	7 23	4 16	5 32	0 31	8 37	7 35
3	SU.	7 24	4 16	6 50	1 37	9 42	8 20
4	M..	7 25	4 16	8 16	2 42	10 34	9 9
5	Tu.	7 26	4 16	9 34	3 43	11 10	9 59
6	W..	7 27	4 15	10 49	4 38	11 42	10 50
7	Th.	7 28	4 15	M.	5 28	A. 7	11 45
8	Fr.	7 29	4 15	0 3	6 15	0 27	A. 44
9	Sa..	7 30	4 15	1 14	7 0	0 46	1 46
10	SU.	7 31	4 15	2 23	7 44	1 5	2 52
11	M..	7 32	4 15	3 33	8 29	1 25	4 1
12	T..	7 33	4 15	4 44	9 17	1 50	5 3
13	W..	7 34	4 15	5 51	10 5	2 19	5 56
14	Th.	7 34	4 15	6 55	10 56	2 57	6 44
15	Fr.	7 35	4 16	7 56	11 49	3 42	7 29
16	Sa.	7 36	4 16	8 47	A. 41	4 35	8 7
17	SU.	7 37	4 16	9 28	1 32	5 36	8 44
18	M..	7 37	4 16	10 2	2 20	6 38	9 20
19	Tu.	7 38	4 17	10 29	3 6	7 43	9 55
20	W..	7 38	4 17	10 51	3 49	8 47	10 29
21	Th.	7 39	4 18	11 9	4 30	9 51	11 6
22	Fr..	7 39	4 18	11 26	5 11	10 56	11 45
23	Sa..	7 40	4 19	11 44	5 52	M.	M.
24	SU.	7 40	4 19	A. 2	6 34	0 1	0 28
25	M..	7 41	4 20	0 22	7 20	1 6	1 15
26	Tu.	7 41	4 21	0 47	8 9	2 18	2 11
27	W.	7 41	4 22	1 21	9 6	3 31	3 17
28	Th.	7 42	4 23	2 7	10 8	4 51	4 27
29	Fr..	7 42	4 23	3 6	11 14	6 9	5 29
30	Sa..	7 42	4 24	4 21	M.	7 22	6 27
31	SU.	7 42	4 25	5 44	0 21	8 21	7 22

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

READ THIS!!

C. E. & G. O. GATES,

MANUFACTURES AND IMPORTERS OF

Organs and Pianos,

MELVERN SQUARE, Wilmot, N. S.

Encourage native enterprise and save the duty, freight, commission, and profit on American instruments.

SEND FOR A PRICE LIST.

March 24.

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 75 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.

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! IT IS WARRANTED not to produce costiveness (which is the case with most remedies), or affect the head as it contains no Opium in any form. IT IS WARRANTED to be perfectly harmless to the most delicate child, although it is an active and powerful remedy for restoring the system. There is no real necessity for so many deaths by Consumption, when Allen's Lung Balsam will prevent it, if only taken in time.

PRICE $1 PER BOTTLE.

SOLD BY ALL DRUGGISTS.

April 22.

A MAN OF A THOUSAND.

A CONSUMPTIVE CURED.

When death was hourly expected from CONSUMPTION, all remedies having failed, accident led to a discovery whereby Dr. H. James cured his only child with a preparation of CANAABIS INDIEA. He now gives this recipe free on receipt of two stamps to pay expenses. There is not a single symptom of consumption that it does not dissipate—Night Sweats, Irritation of the Nerves, Difficult Expectoration, Sharp Pains in the Lungs, Nausea at the Stomach, Inaction of the Bowels, and Wasting of the Muscles,

Address CRADDOCK & CO., 1032 Race Street, Philadelphia, givign name of this paper. Pa.,

Oct. 21. 13w. eow.

DYSPEPSIA

invariably yields to the virtues of the vegetable ingredients contained in that great Purifier of the Blood and Restorer of the Health—MRS. JACKSON'S LINIMENT. For sale at

BROWN BROS., Halifax.

Jan. 19. 3m.

SCIENCE.

THE NEW YORK AQUARIUM at the corner of Broadway and Thirty-fifth street promises to be a positive and genuine addition to the city's resources for instructive entertainment.

Already the collection contains representatives of many of our principal salt and fresh water fishes, with a few that are rare and curious, besides turtles, alligators, seals, a young whale, and a considerable number of the lower forms of marine life. The main tank, which has a front of 65 feet is the second in size, it is said, in the world. Here, at present, are numerous dog fish, a regular shark of considerable size, a gigantic sturgeon, several large sea turtles, and a number of skates and rays. In the center of the pavilion is a raised circular tank 30 feet in diameter, now occupied with a white whale calf from the Gulf of St. Lawrence. In front is a depressed pool of equal dimensions, where three active and clever seals have already made themselves the pets of numerous visitors. Back of the whale tank, and occupying the larger part of the western end of the pavilion, are the sea lions' pools, surrounded by an attractive rockery, and spanned by a rustic bridge from which a good view is to be had of the entire exhibition hall.

The northern side is devoted to a row of large tanks, lined with rock-work and tenanted at present with numerous representatives of our principal lake, river, and sea fish, besides crabs, lobsters, anemones, and the like. Four of these tanks present a crystal frontage of 8 feet by 10 feet each; and a dozen smaller ones have 4 by 5 feet fronts. On the southern side are twenty-five or thirty table tanks, glazed on all sides, for the exhibition of the smaller fish, crustaceans, etc.; a large tank for trout and allied species; and—one of the most valuable features of the aquarium—Mr. Mather's tank for fish hatching, now occupied in part by an interesting lot of California salmon eggs in process of development.

As an adjunct to the acquarium, it is proposed to have a free scientific reading room, and a laboratory, provided with experimental tanks, dissecting tables, microscopes, and other appliances for the critical study of aquatic forms.

THE PRESERVATION OF TIMBER.—Buried in the earth or exposed to the air, timber rapidly deteriorates, and undergoes the species of decomposition known as dry-rot. This decomposition may be retarded by the application of a coat of paint to the timber exposed to the air, or by carbonising the surface of that which is intended to be sunk in the ground.

During the last 20 years, several methods have been tried for making timber more durable, the principal of which consists in expelling the sap remaining in the ligneous fibres, in order to replace it by chemical solutions, such as sulphate of copper and creosote: but these processes, comparatively costly, and only partially successful, do not entirely accomplish their object. Starting from the fact that oak, chestnut, and certain American trees resist the action of air and damp better than others, and that they owe this property to the tannin which they contain, a chemist proposes to tan the timber by substituting for the sulphate of copper and creosote a compound of tannic acid and iron. The object of injecting various substances into wood is to poison them, so that germs and microscopic growths may no longer live and propagate either on the surface or in the interior. Timber treated with this compound of tannin and iron—that is to say, a composition similar to ordinary writing ink—is turned black.

The attempts already made to preserve timber from dry-rot by injecting it with iron salts have yielded only partially successful results, while sleepers treated by sulphate of copper have lasted 25 years and more. It is not a rare circumstance to encounter in earth of a ferruginous nature the trunks of very old oaks, blackened and perfectly preserved; at Rouen, in 1830, some old oak paling was discovered as black as ebony, and dating back to the Middle Ages. Not very long ago, too, a Norman vessel built of oak was discovered in an almost perfect state of preservation in the neighbourhood of an iron mine in Norway. It is more than probable that the preservation of the oak under these circumstances is due to the tannin contained in the wood; it follows, therefore, that by introducing a substance rich in tannin into timber that does not naturally possess it, its resistance to decay is increased.

What shall a fool do with advice.

AGRICULTURE.

WINTER WINDOW GARDENS.—A lady writes the *Germantown Telegraph*—in city or country some one sunny window in every house may be "a thing of beauty and joy forever," with more or less outlay of money and labour, as the person may feel disposed. A bay-window is of course better adapted for plants than a single one, but either should first be provided with a plain deal box the length of the window, from two to four feet wide, and at least six inches deep. Have holes bored in the bottom, and place upon it an inch of broken pottery, charcoal, and pebbles, to insure drainage. Fill with rich, friable soil, and in it plunge the pots of geraniums, fuchias, heliotrope, etc,; then plant tradescantia, coliseum ivy, sedurns, etc., along the edge, and soon the whole surface will become a mass of various shades of green, intermixed with the bronzy purple of tradescantia, zebrina, and the golden flowers of the musk plant, or exquisite lavender of the delicate ivy (linaria cymbdaria;) while if a German or English ivy has been placed in each corner, the long festoon will soon hang to the flower and the tendrils go clamboring up the window-frame. A bay-window may be beautifully arranged as a grotto, with a deep, rough box filled with earth and rocks piled up and grouped in picturesques confusion, with fern, vines, mosses, etc., planted in the recesses and hanging in long, graceful festoons from the rocky projections. Suitable hanging-baskets for such a "woodland window" might be made of cocoanut shells, wooden bowls covered with pine cones or gnarled twigs and roots, or log-cabin boxes, made by placing mossy sticks, one crossing the other, until of desired height, then fastening with nails to a square board with holes in each corner for cords, and filled in with moss (between the "logs.") A "hanging-garden" is also a great addition.

INSECTS ON HOUSE PLANTS.—The "green-fly" every plant-raiser knows, and he knows, too, to his sorrow, how destructive it is if left to itself. The plants which this insect attacks are the softest and most succulent, and at the end of the young shoots, and the softest leaves. It sucks the juices so as to materially injure the plant in a short time. The insects of this kind (*Aphis*) [illegible] that Beaumur has proved that in five generations one aphis may be the progenitor of six thousand millions, and there may be ten generations in a year.

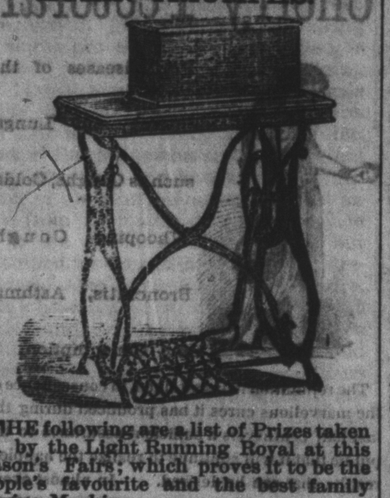
Of all the means that have been employed for the destruction of this insect that which has proved most efficient and the one now almost universally practised, is fumigation with tobacco.

When only a plant or two, or a small number of them are to be treated, they can be fumigated under an inverted barrel or large box in a back room or shed. Single plants may be fumigated by making a bell of a newspaper. The smoke can be introduced by means of a tobacco-pipe. Fill the bowl two-thirds full of quick-burning tobacco, and after lighting, place a piece of cotton over the bowl, and blow the smoke through the stem, with the mouth. Instead of fumigation, a weak solution of tobacco may sometimes be used quite as effectively; this is often the more convenient way for a few plants. Soak or steep some tobacco until the strength is extracted. The strength of the water may be determined by dipping a leaf into it or letting it remain in it for a short time—if the leaf is brown or burned, or turns so when taken out of the water, the solution is too strong, and must be reduced by increasing the quantity of water. When the right degree of strength is acquired, dip the whole plant into the water and afterwards syringe it off with cold clean water. What we desire to impress most forcibly on the minds of our readers, and especially those who keep only a small number of plants in the living-room, is the better way, of watching them so closely and syringing and washing them so frequently that the fly is kept under and the plants maintained in the highest state of health.—*Vick's Floral Guide.*

TO FATTEN TURKEYS.—Every morning for a month give them mashed potatoes mixed with buckwheat flour, barley or beans. Take away what remains in the evening. After a month add half a dozen balls made of barley flour when they go to roost. Give them these eight days successively. Turkeys thus fed are fat and good.

He who rides behind, does not saddle when he will.

THE LIGHT RUNNING ROYAL AGAIN TRIUMPHS.



THE following are a list of Prizes taken by the Light Running Royal at this season's Fairs; which proves it to be the people's favourite and the best family Sewing Machine.

GLENGARY—Over the Webster, Osborne and Singer.
BELVILLE—Over the Wheeler and Wilson.
UNIONVILLE—Over the Wheeler and Wilson, and others.
TILSONBURG—Over all Competitors.
WOODSTOCK—Over all Competitors.
PARIS—Over Raymond and Singer.
NAPANEE—Over Singer, Howe, Wanzer, and Osborne.
HARLEY—Over all Competitors for Family work.
HARLEY—Over all Competitors for light manufacturing.
GUELPH—Over all Competitors for embroidering.
CHATHAM—Over all Competitors for manufacturing.
DRUMBO—Extra Prize for all kinds of work.
HAMILTON—Diploma for best display.

For a number of years past Canadian Manufactures have been in a measure suppressed by the rivalry of their American Cousins, but in the Light Running Royal they have found their equal and got fairly beaten. It is without doubt the lightest running and best Machine in use, as you see by the above it has taken the the first Prize at all the principal Fairs.

Head Office for the Provinces, No. 80 Germain Street, St. John, N. B.

H. M. HAMILTON, Manager.

A few reasons why it is the best Machine.

1st. It is never out of time but always ready for use.
2nd. All the wearing parts are made of steel or case hardened iron.
3rd. All the movements are derived from the main shaft which gives to the Machine great strength and durability.
4th. It is so constructed with set screws so as to keep the Machine always in perfect order.
5th. The most perfect Braider invented.
6th. The [illegible] running the Machine.
7th. Shuttle holds 50 yards of thread.
8th. Will sew from muslin to thick cloth without changing the tension.
9th. The stich can be changed without stopping the Machine.

Each Machine is furnished with a full set of attachments for hemming, felling, cording, braiding, tucking, quilting and frilling.

Every Machine warranted perfect and kept in repair one year free of charge.

Price list and Circular sent free to any person on application.

Oil and Needles kept on hand.

Machines cleaned and repaired at short notice.

Machines kept on hand on purpose to rent by the week or month.

Any person having a second hand Machine can exchange for a Royal by paying the difference, or will furnish any description of Machine wanted for light or heavy work. For any information wanted concerning Machines,

Address,

L. O. NEILY, Aylesford, King's Co.

ALSO:

Agent for the celebrated

ROYAL LAMP HOLDER,

a very ingenious invention which can be fitted to any Sewing Machine; which enables the operator to sew by night as well as day. It can be raised or lowered or placed in any position required and can with the aid of the reflector throw the light anywhere wished. It does not soil the work or cannot jar off the table, any party wishing to get one by writing a Postal Card will have one brought to them as soon as possible.

Price with Lamp complete $2.50.

TESTIMONIALS.

BLACK ROCK, FEB. 4TH, 1876.

MR. NEILY, DEAR SIR,—

I am perfectly delighted with the ROYAL SEWING MACHINE, it is always ready for use and I would not exchange it for any Machine I ever saw.

Yours,

MRS. L. SWEET.

This is to certify that I am using one of the ROYAL MACHINES in my family. It does fine work splendid and I make all my Carriage and Sleigh Cushions on it; and it is always ready for use.

Yours,

W. P. BENNET,

SOMMERSET. Carriage Maker.

This is to certify that I exchanged a Machine I had with Mr. Neily a year ago and got a ROYAL, and I have found it just what he recommended it to be, a first class Machine; and I would advise any person that is in want of a Machine to get a ROYAL.

MRS. E. O. READ;

TREMONT, Feb. 9th, 1876.
Feb. 16.

CONSUMPTIVES READ.

VICTORIA, WILMOT, April 7th, 1875.

MESSRS. C. GATES &CO.

GENTLEMEN:—This is to certify, that I was troubled with Bronchitis for about 12 years, and tried different preparations which were recommended for it, but got no relief until I used your LIFE OF MAN BITTERS, SYRUP AND OINTMENT, and have been troubled but very little in that way since, which is now about three years; I would highly recommend your medicines to all suffering with throat and lung diseases.

Respectfully yours,

DAVID FALES,

Sworn to, before me, April 9th 1875, at Victoria, Wilmot.

WALLACE PHINNEY, J. P.

July 12.

THE BAPTIST HYMN BOOK

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

CHRISTIAN MESSENGER OFFICE, HALIFAX.

CHEP 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, $1.25. 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 STNADARD 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.

THIS 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.

C. L. WEEKS,

LONDON HOUSE BUILDING,

WATER STREET, WINDSOR.

SAVE 15 CENTS in every DOLLAR by purchasing your BOOTS and SHOES, HATS and CAPS, from C. L. WEEKS.

April 14.

Hundreds Cured daily in Nova Scotia BY THE

DIAMOND RHEUMATIC CURE.

Unanimously endorsed by Hundreds of our Nova Scotia citizens for

RHEUMATISM.

This statement is substantially a FACT based upon evidence in the possession of the agent, in the shape of numerous testimonials from past sufferers, in the walks of life, and particularly from some of our most respectable and trustworthy families.

DIMONAD RHEUMATIC CURE.

In its history, this invaluable Medicine occupies the most honourable position possible for any remedy to attain. A few years since it was known only to the friends and neighbors and patients of the proprietors, and always sought for by them whenever troubled with Rheumatism, and in this way came to the notice of physicians generally, and through their favorable expression, and its acknowledged value as a Rheumatic Remedy, the demand for it became so frequent and urgent as to oblige its proprietors to increase their facilities for its manufacture. Its reputation rapidly extended, and soon orders, letters of enquiry, letters of thanks, and certificates of praise were daily received from all sections of the United States and Canada; and in this way on a basis of its merit alone—unaided by "tricks of the trade" or special efforts—it has risen to its present envious position. Wherever introduced it has received the most flattering preference in the treatment of all rheumatic complaints. In this we are really grateful and happy not alone because our medicine finds ready sale, and is consequently profitable to us, do we say this, but because we open a new field in medical science, and cure at once what the best medical practitioners have for ages found so difficult even to relieve. We fill a place heretofore unoccupied. We relieve the suffering and minister to God's poor; we restore the laboring to the use of his injured limbs, and save him scores of times its cost in doctor's bills; we carry contentment and gladness into the home of the afflicted, and consequently are remembered by millions of grateful souls.

The proprietor of this medicine has walked the aisles of the Hospitals of London, Eng., for the past twenty years, making rheumatism a speciality, and the prescription from which this remedy is all he ever used in the treatment of this disease.

This medicine is for sale at all the druggists throughout Canada. If it happens that your druggist has not got it in stock, ask him to send for it to

FORSYTH & CO., Halifax.

General Agent for N. S., and C. B.

Oct. 28.

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.

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.