

The Messenger Almanac.

April.

First Quarter, April 1, 11h. 57m. morning.
Full Moon, " 8, 3h. 24m. afternoon.
Last Quarter, " 16, 4h. 23m.
New Moon, " 24, 2h. 40m. morning.
First Quarter, " 30, 6h. 13m. afternoon.

Day	SUN.	MOON.	High Tide
W.	Rise.	Set.	at Halifax
1 Sa.	5 44 23	10 27 6	20 1 35
2 Su.	5 43 25	11 42 7	28 2 31
3 M.	5 41 26	A. 50	8 23 3 14
4 Tu.	5 39 27	2 18 9	14 4 35
5 W.	5 37 28	3 30 10	1 4 10
6 Th.	5 35 29	4 41 10	4 32 5 50
7 F.	5 34 31	5 51 11	30 4 51
8 Sa.	5 32 32	7 0 M.	5 9 7 21
9 Su.	5 30 33	8 10 0	14 5 28 7 56
10 M.	5 28 34	9 17 0	58 5 46 8 28
11 Tu.	5 26 35	10 23 1	45 6 13 9 2
12 W.	5 25 37	11 27 2	33 6 43 9 34
13 Th.	5 23 38	M. 3	24 7 21 10 6
14 F.	5 21 39	0 34 4	15 7 9 10 39
15 Sa.	5 19 40	1 14 5	7 9 0 11 13
16 Su.	5 18 42	2 24 6	11 10 2 11 56
17 M.	5 16 43	3 27 7	5 10 2 12 6
18 Tu.	5 14 44	4 27 8	7 33 12 3 41
19 W.	5 13 45	5 31 8	8 19 1 20 4 58
20 Th.	5 11 47	6 36 9	3 23 0 4 58
21 F.	5 9 48	7 33 9	4 31 5 47
22 Sa.	5 8 49	8 41 10	3 45 6 28
23 Su.	5 6 50	9 44 11	21 6 8 7 5
24 M.	5 5 51	10 48 11	8 7 28 7 41
25 Tu.	5 3 53	11 53 12	8 50 8 19
26 W.	5 2 54	12 58 1	10 10 8 58
27 Th.	5 0 55	7 7 3	16 11 25 9 41
28 Fr.	4 59 56	8 16 4	21 M. 10 28
29 Sa.	4 57 57	9 32 5	23 0 26 11 16
30 Su.	4 56 59	10 50 6	20 1 14 M.

THE TIDES.—The column of the Moon's Southern gives the time of high water at Parrsboro, Cornwallis, Hantsport, Windsor, Newpore, 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.

BETCHER'S PECTORAL MIXTURES

FOR COUGHS, COLDS, WHOOPING COUGH, ASTHMA, &c.

This article has been known to give immediate relief in Chronic Coughs when other Syrups have utterly failed, and for temporary coughs and colds it is invaluable, for which assertions abundant testimony can be produced. For singers and speakers it is also invaluable. No harm can result from a free use of this medicine. To be had of the Manufacturer

J. W. BETCHER,
No. 27 CORNWALLIS STREET,
Halifax, N. S.

CERTIFICATES.
HALIFAX, March 10th, 1873.

J. W. BETCHER, Esq.
DEAR SIR,—Having used a half dozen bottles of your valued Pectoral Mixture I find myself greatly relieved from a chronic cough, and pulmonary weakness which had been preying upon my system for ever a year, and would recommend it to all who are suffering from like complaints.

Geo. L. FELLOWS.

ST. JOHN, N. B., April 16th, 1874.
This is to certify that I was attacked with a very severe cold combined with the Asthma very bad, so that I could not lie down or hardly breathe. One bottle of the cough medicine prepared by J. W. BETCHER, Esq., of Halifax, N. S., relieved me, and five bottles completely cured me so I have not been troubled with the Asthma since, and I believe it to be the best medicine for Coughs, Colds, Asthma, &c., that there is made.

CONSUMPTION CURED.

To the Editor of "Christian Messenger,"
ESTEEMED FRIEND:—Will you please inform your readers that I have a positive CURE FOR CONSUMPTION and all disorders of the Throat and Lungs, and that by its use in my practice, I have cured hundreds of cases, and will give

\$1,000.00

for a case it will not benefit. Indeed so strong is my faith, I will send a SAMPLE, FREE, to any sufferer addressing me. Please show this letter to any one you may know who is suffering from these diseases, and oblige.

Faithfully Yours,

DR. T. F. BURT,

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Aug. 5.

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Nov. 25.

SCIENCE.

Sanitary Advice.

BY SIR ALFRED POWER.

The following verses are from PUBLIC HEALTH, an English sanitary periodical:
There's a skin without and a skin within,
A covering skin and a lining skin;
But the skin within is the skin without
Doubled inwards and carried completely throughout.

The palate, the nostrils, the windpipe, and throat,
Are all of them lined with this inner coat,
Which through every part is made to extend—
Lungs, Liver, and bowels, from end to end.

The outside skin is a marvelous plan
For excluding the drugs of the flesh of man.
While the inner extracts from the food and the air
What is needed the waste in his flesh to repair.

While it goes well with the outside skin,
You may feel pretty sure all's right within;
For if anything puts the inner skin out
Of order, it troubles the skin without.

The doctor, you know, examines your tongue
To see if your stomach and bowels are wrong;
If he feels that your hand is hot and dry
He is able to tell you the reason why.

Too much brandy, whisky, or gin
Is apt to disorder the skin within;
While, if dirty or dry, the skin without
Refuses to let the sweat come out.

Good people all! have a care of your skin,
Both that without and the within;
To the first you'll give plenty of water and soap,
To the last little else beside water, we'll hope.

But always be very particular where
You get your water, your towels, and your air;
For if this be tainted, or rendered impure,
It will have its effect on your blood, be sure.

The food which will ever for you be the best,
Is that you like most, and can soonest digest;
All unripe fruit and decaying flesh
Beware of, and fish that is not very fresh.

Your water, transparent and pure as you think it,
Had better be filtered and boiled ere you drink it.
Unless you know surely that nothing unsound
Can have got to it over or under the ground.

But of all things the most I would have you beware
Of breathing the poison of once BREATHED AIR;
When in bed, whether out or at home you may be,
Always open your windows and let it go free.

With clothing and exercise keep yourself warm,
And change your clothes quickly if drenched in a storm;
For a cold caught by chilling the outside skin
Flies at once to the delicate lining within.

All you who thus kindly take care of your skin,
And attend to its wants without and within,
Need never of cholera feel any fears,
And your skin may last you a hundred years.

TO REMOVE CLINKERS IN A STOVE.—Make up a good fire; then place a dozen oysters or clam shells or small lumps of lime on the fire, pressing them into contact with the clinker; then let the fire burn down and the clinkers will be found so soft that they can be scraped off with a shovel. The lime in the shells acts as a flux. Another way.

—Salt put on the clinkers in stove or range when hot, after raking down the fire, will remove them. Yet another.—Clinkers may be removed by putting into the fire two or three oyster shells. New York Times correspondent.

TO COOK SWEET-BREADS—PLAIN. For every mode of dressing they should be prepared by half boiling and then putting them into cold water. This makes them whiter and thicker and finer. Dip them in egg and then in bread crumbs; pepper and salt, and fry in lard; serve with peas or tomatoes. Another way is, after they are par-boiled and cold, to lard them with fat pork; put them into a stew-pan, with some good veal gravy and juice of a lemon; stew them till quite tender, and just before serving thicken with flour and butter; serve with the gravy; garnish with sliced lemon.

FOR EMERGENCIES.—Professor Wilder, of Cornell University, gives these short rules for action in case of accident:—

For dust in the eyes, avoid rubbing; dash cold water in them; remove cinders; &c, with the round point of a lead pencil.

Remove insects from the ear by tepid water; never put a hard instrument into the ear.

If an artery is cut compress it above the wound, if a vein is cut, compress it below.

If choked go upon all fours and cough.

For slight burns dip the part in cold water; if the skin is destroyed, cover with varnish.

For apoplexy raise the head and body; for fainting lay the person flat.

NEW ASTEROIDS.—Fifteen minor planets have been discovered in 1875, the latest discovery being No. 155. This asteroid was detected by Herr Palisa at the Pola observatory in Austria, the 8th of November. In 1868, twelve were discovered, and that number has never been exceeded in any one year till now.

SCRATCHES.—A stiff mixture of white lead and raw paint oil applied once daily for five or six days is a positive cure for scratches in horses legs. I have seen it used in a number of cases. —Subscriber, Aros, Ont.

Had the Boston forger but heeded the sermon contained in his own brief name, *win slow*, his talents, legitimately employed, might have won him competence and honour.

AGRICULTURE.

AN ARTIFICIAL MOTHER.—Mr. T. B.

Rogers, a famous poultry raiser at Wethersfield, Conn., has invented what he calls "an artificial mother" for the rearing of young chickens. He estimates that at least fifty per cent, of chickens hatched are lost by suffering from cold, by being stepped on by their mother, by cats and other animals, and in various other ways. He also finds that chickens, to be profitable, should be hatched in the winter. He has hatched three broods in nine weeks with one hen—that is, he takes away the chickens as soon as hatched and places fresh eggs under the hen, and in this way keeps her busy propagating chickens. Mr. Rogers's next move was to get up some invention that would take care of the chickens when hatched, and he has constructed what he calls an "artificial mother." This is a box with two compartments, and about three feet long by two feet and a half wide. In the rear is a lid covered with wool, which shuts within three inches of the bottom; this is cut off from the front part by a strip that can be raised on hinges. The front is protected by lattice work, giving plenty of air and light, and on the outside are tin troughs, in which gravel, food, and water are placed. The chickens can easily get their bills into these, and when they have got their fill they can run under the wool-covered lid which is so soft and comfortable that they imagine they are under the old hen's wings. Mr. Rogers had in one of these boxes yesterday a brood of twenty-one chickens, sixteen of which were hatched last Thursday, and five on Sunday. They were all as lively as crickets, and seemed perfectly at ease. He took them to the Springfield poultry show on the noon train, where they will undoubtedly attract a good deal of attention. Mr. Rogers deals exclusively in light Brahmas, and thinks they are the best layers, as well as the most profitable fowls for the table.

FAITH REQUISITE.—Faith in farming is the first thing needed for success. A man all the while dreaming around, doubting whether he gets half-paid for his labour, and doing everything grudgingly and with as little outlay of labour and money as he can possibly get along with, will not find farming a success. One must plough and sow with full faith that every hour he devotes to his business, and every dollar he puts into it will return to him double; then he will learn that farming pays. Let him give his whole strength to the business. Touch not any side issues; farm in earnest, farm it wholly, and great success will surely follow.

UNDER-DRAINING.—Under-drains relieve the land from stagnant water, so disgusting to the sight, and a prolific source of disease to the human family, as well as of putrid milk, so much complained of among dairymen. These same waters that become stagnant by standing on the surface of the land, by being filtered through and conveyed in an underdrain to a convenient point, afford an excellent privilege for watering stock.

The Liverpool Post says:—"While some workmen at Dundee were the other day engaged in cutting up a large log of Quebec yellow pine, they laid open several sections of a wasp's nest. The nest being near the centre of the tree, the insects (several thousand in number) must have been inclosed for upwards of a hundred years.

A New Hampshire dealer in fancy fowls sings the praises of his favorite breed in the following unique hymn:—
If you want some feathered st
That will not your wishes in
When at their nests you daily kn
Buy some eggs or get a fl
Of the famous Plymouth R

A NEW VARIETY OF RADISH, the seeds of which were forwarded from Japan by Dr. Genou, has been introduced into the French market under the name of *Raphanus acantiformis*, and is pronounced an acquisition of value. In colour it is milk-white, with a tinge of yellow, and it is firm, transparent, and juicy, and of delicate flavour, while the skin is thin and peels off easily, and frequently attains a length of 35 inches.

An acre of growing trees in forest fixes in the form of wood fully a ton of carbon. Most of this comes from the atmosphere and is absorbed through the leaves.

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

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April 22.



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1876-WINTER ARRANGEMENT-1876.

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LOCAL EXPRESS TRAINS

will leave Pictou for Truro at 8.15 p. m., and Truro for Pictou at 10.50 a. m., St. John for Sussex, at 4.30 p. m. Sussex for St. John at 7.35 a. m., Point du Chene for Painssee at 11.40 a. m., and 3.20 p. m., Painssee for Point du Chene at 12.30 p. m. and 4.05 p. m.

MIXED TRAINS

will leave Halifax for Truro and Pictou, at 11.45 a. m., and 1 p. m., and Pictou for Truro and Halifax at 6.30 a. m. Truro for Painssee and Moncton at 7.00 a. m., and Moncton for Painssee and Truro at 7.20 a. m. Point du Chene for St. John at 6.45 a. m., and St. John for Point du Chene at 10.00 a. m.

ACCOMMODATION TRAINS

will leave Moncton for Miramichi, Campbellton and Way Stations at 12.15 p. m., and Campbellton for Moncton at 6.20 a. m., connecting with Trains to and from Halifax and St. John.

For particulars and connections see small Time Tables.

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Railway Office,
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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 enviable 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, so 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,