

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. 49m. morning. First Quarter, " 30, 6h. 13m. afternoon.

Table with columns for Day, SUN, MOON, and High Tide. Rows list days from 1st to 30th with corresponding times and phases.

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.

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 PICTORAL 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.

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.

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.

Aug. 12. 1 yr. JOHN N. DEARBORN.

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, 67 William Street, New York.

Aug. 5. 26 ins.

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Nov. 25.

AGRICULTURE.

HOW TO MAKE HOT-BEDS.—Select a warm sheltered spot, on the south side of some building, and it should be protected from the cold winds.

After leveling the ground, haul your fresh horse manure (there should be considerable straw mixed with it), and put in a pile, off to one side, where you want the bed. After this has lain from one to three days, according to the state of the manure when hauled, and the weather, commence and shake the manure evenly over the place prepared for the bed, till the manure is not less than twenty or twenty-four inches thick. It should extend eighteen inches beyond the frame on every side. Before putting on the frame, take a wide board, and begin on one side and go over the bed, laying the board on and pressing down by walking on it. This will keep the surface level. If the weather is cool, the manure should be covered as quickly as possible with earth. Common garden soil will be the best for the first two or three inches on the manure, as it will hold the water better than soil from the woods, but the top should always be light soil from the woods, and rotten logs. It will not pack or bake after watering. The dirt should not be less than seven or eight inches deep; this will give the plants a good bed to make roots before reaching the manure. As soon as the dirt is on and leveled, put your sash on and cover up tight with boards or straw; then bank up your bed to the top of the frame with manure, and let it remain covered up for thirty-six or forty-eight hours. This will give the bed time to cool off from the first heat, and also any weed seed to germinate that may be in the dirt. Before sowing your seed, rake the bed, and pulverize all the clods; then mark out in rows, north and south, not less than six inches apart; scatter the seed in about five or six to the inch; water and cover up again, and leave till the plants begin to come up, which will be in from two days to a week, according to the heat of your bed.

ABOUT BEES.—Through the winter months the bees require no care in the cellar house. They only ask to be in darkness and quiet. If they are on their summer stands, and have quilts or carpets over their frames, they will not suffer, though the entrances are blocked with snow. It is well, however, to see that the entrance during a thaw does not become stopped with water and dead bees, which a sudden cold wind may convert into ice. While you have nothing to do for the bees directly in this month, it is time to plan for another season's work, and prepare your hives and honey-boxes.

TO PURIFY RANCID BUTTER.—It should be melted in twice its weight of boiling water and well shaken with it. By this means the acids are dissolved and partly volatilized, the rancidity being thus removed. At all times butter may be purified by repeated melting with fresh portions of water, the pure oil rising to the surface, leaving the impurities in the water. The butter loses its consistence by this operation, but that may be restored to it, at least to a great extent, by pouring it, when melted, into a large quantity of ice-cold water.

ALLEGED NEW CEREAL.—A new cereal has been grown in the State of Oregon, and thus far no one has been able to classify it; for while it bears a general resemblance to wheat, yet its stalk, mode of growth, and heavy filaments cause it to be taken for rye or barley by the most experienced farmers. The grain was originally discovered in the stomach of a wild goose, by a farmer. From seven to ten stalks spring from one root, and attain a height, when ripe, of four and a half to five feet. They are very thin, compact, of a bright straw color, and extremely hard as if they contained a large quantity of silica.

EXHAUSTION OF THE SOIL BY APPLE TREES.—The author calculates that, in a life of sixty years, an apple tree removes from the soil 60 lbs. of nitrogen, equal to 11,500 lbs. of farmyard dung. To maintain the soil in condition, therefore, about 175 lbs. of dung ought to be annually given per tree during the fifty years that it is in bearing.—M. I. Pierre.

A CALIFORNIA MAN recently lost 100 head of sheep in one night from the flock being turned into a wheat field where they ate so much grain that, by its swelling, their stomachs were ruptured.

SCIENCE.

NO REST.—Science teaches us that the crust of our earth is perpetually moving, and that the sea level is constantly changing. Our globe has its daily rotation on its axis and its yearly revolution about the sun. The sun, with all its satellites, sweeps on toward a moving point in the constellation Hercules. Every so-called fixed star is in motion. Fifty thousand years ago the constellation of the Great Bear or Dipper was a starry cross; a hundred thousand years hence the imaginary Dipper will be upside down, and the stars which form the bowl and handle will have changed places. The misty nebulae are moving, and besides are whirling around in great spirals, some one way, some another. Every molecule of matter in the whole Universe is swinging to and fro; every particle of ether which fills space is in jelly-like vibration. Light is one kind of motion, heat another, electricity another, magnetism another, sound another. Every human sense is the result of motion; every perception, every thought is but motion of the molecules of the brain translated by that incomprehensible thing we call "mind." The processes of growth, of existence, of decay, whether in worlds or in the minutest organisms, are but motion.

WOOD FOR DOCKS.—A fact has occurred at Belfast, Victoria, which is well worth noting. In 1868 an auger was dropped in the bay there by one of the workmen employed on the jetty. Last Christmas, the tool was picked up on the beach near the mouth of the Moyno. The iron auger was encrusted with rust, sand, etc., and the iron partly destroyed, but the wooden handle (blackwood) was perfectly sound. In building jetties this fact would prove that iron bolts are not as durable as trenails of blackwood.

Apply soapsuds to a suspected leaky joint in the gas pipe. The formation of bubbles will show any escape. This is safer than trying the joint with a lighted match. If the leak occur in the branch of a bracket or chandelier, it is repaired by soldering with plumber's fine solder; if it be a very small one, heat the place first with a spirit lamp, and fill the aperture with cement.

The Medical Times says that the test employed for selecting the men for the British Arctic Expedition consisted in making each candidate stand with his bare feet on a cube of ice. Those who endured the longest were chosen.

HOW TO GROW FAT.—It is said that a pint of milk, taken every night just before retiring to rest will soon make the thinnest figure plump. Here is a simple and pleasant means by which thin, women and men may acquire plump, rounded figures.

Camphorated oil is highly recommended as a furniture polish. This is simply sweet oil in which gum camphor is dissolved. The camphor serves the additional purpose of driving away moths.

The King of Bavaria has offered a prize for the best design for a drawing-room lamp to burn petroleum. The height must not exceed from sixty to seventy centimetres (about 23 to 28 inches), and the material be of metal, which, however, may be decorated with other substances, such as ivory and marble.

Salt of lemon is the best material for removing stains of iron mold, but it should be used very sparingly, as any excess will destroy the fabric.

Aquafortis, applied to the surface on steel, produces a black spot; on iron, the metal remains clean.

A vein of galena twenty-seven feet thick has recently been struck in the Yosemite mine, Bingham canon, Utah.

Dr. Haughton has proved that the strength of the lion is only two thirds that of the tiger.

Fine gold will melt at 2,016° Fah; pure copper at 1,994° fine silver at 1,873° and pure spelter at 773°.

Bathe weak eyes before retiring at night with a little sugar dissolved in warm water.

"How do you define 'black as your hat'?" said a schoolmaster to one of his pupils. "A darkness that may be felt," replied the youthful wit.

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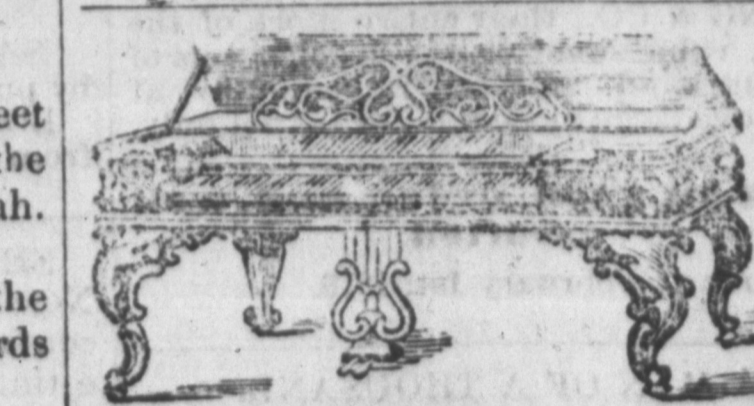
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Let it be to Day by Good and Whether I Serve to In this evi Walk with As did Learn of I When the When the Should th Be sub Thou sha God is lo Cleave All His s Thine sh Every When th Nothing Learn Death is Soon sho Thou sh

Men:—This to certify that I have been afflicted for several years with pains in my side and back, a bad cough, weak lungs, liver complaint, and a number of other diseases, all at the same time, and tried the medicines of our most skillful physicians in our place and elsewhere, but received no permanent relief; and when the doctors had given up doing anything for me, as they could do no good, I procured, through a friend who advised me to try your medicines, some Bitters, Syrup, Plaster, Ointment and Liniment, and after I had used several bottles of your Bitters and Syrup, a bottle or two of your Preventative, and applied your Ointment, Liniment and Plaster to the affected parts, I became strong again and was restored to usual good health.

I began to improve after I had used but a few bottles, etc., etc. I believe that if I had not got the medicines when I did, I could not have lived longer than two months, so feeble and debilitated was my condition and state of health.

I can cheerfully recommend those suffering as I was to procure your Medicines at once, as I am confident they will receive a great amount of benefit from their use.

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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.

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General Agent for N. S., and C. B. Oct. 28.

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