

The Christian Messenger.

HALIFAX, N.S., NOVEMBER 11, 1874.

ALMANAC FOR NOVEMBER.

New Moon, Nov. 9th, 1h. 20m. morning. First Quarter, " 16th, 9h. 39m. afternoon. Full Moon, " 23rd, 1h. 20m. afternoon. Last Quarter, " 30th, 2h. 15m. afternoon.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Rows list days from Sunday to Saturday with corresponding times and tide levels.

THE TIDES.—The column of the Moon's Southings gives the time of high water at PARSBORO, 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, 30 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 24 hours, and to the remainder add the time of rising next morning.

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Send for Circular. July 15.

BETCHER'S PECTORAL MIXTURE

FOR Coughs, Colds, Whooping Cough, Asthma, &c.

CERTIFICATES. 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.

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 over a year, and would recommend it to all who are suffering from like complaints.

Geo. L. FELLOWS, St. Johns, 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. 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.

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

CONSUMPTION CURED.

To the Editor of Christian Messenger. EXTREMELY 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,

Faithfuly Yours, DR. T. F. BURT, 67 William Street, New York. Aug. 5. 29 ins.

Agricultural.

How to get THIRTY-FIVE BUSHELS OF GOOD WHEAT TO THE ACRE.—A writer in the Maine Farmer tells how it was done:—

It was done on a field, of a whitish clay soil, which had been in clover and timothy and mowed in June, giving nearly two tons of good hay to the acre, but was liberally plastered with gypsum, early in May, on the approach of warm dry weather.

The next or second season, this clover and timothy field was plastered in May, and mowed in June two tons of hay to the acre. It was then left to grow till late in August, when it was carefully ploughed about six inches deep—having been ploughed at least ten inches deep before seeding to clover.

For this wheat crop, it was well harrowed and rolled; then the seed put in one and a half bushels to the acre, with a drill, and then rolled again after seeding, which fixed the seed.

In November, when the ground was frozen, the field was top-dressed or covered with barn-yard manure, at the rate of about forty good two horse loads to the acre.

This protected and cherished it in winter from killing out by freezing and thawing; also from drouth in the spring, while it constantly fertilized the growing wheat about the roots by being washed by the rains in spring and early summer.

The variety of wheat used was the old Genesee White Flint; the seed was prepared by being washed and skimmed in salt brine, then rolled in air slacked lime to dry it for sowing; thus, only sound seed was sown.

The cost of the crop, charging tax, interest on land, and all other expenses—allowing half the cost of manure for future crops—was about seventy-five cents per bushel, and sold for one dollar and twenty-five cents.

SECURING THE BUCKWHEAT CROP.

—Consult any experienced miller, and he will tell you that one great fault with buckwheat is its grit (dust or ground). This it gets by lying on the ground or in swaths, the rains splattering the dust against it when it is moist or mud, and hence adheres the more to it. This should be avoided, as it hurts both buckwheat and the flour. Cut and immediately set up in loose (unbound) sheaves, tied at the top to give it the appearance of a cone, so as to shed the rain. In this way the air will circulate through, prevent molding, and yet not dry so fast but the berry will have a chance to mature and ripen, for it is to be cut when part of the crop is yet in the dough—the largest part—and some still less advanced. If left till all is ripe, the crop will be late, and if heavy, will be twisted and lodged, and much of it will "shell" in harvesting. A clear sound crop is what is wanted, and not a dusty, with the late kernels dried, and hence shrunk instead of rounding out and maturing as they will if put up in sheaves as soon as cut. Do not in any case leave it lying on the ground, and cut early, when the greater part of the grains are in the dough.—Ulca Herald.

HAY CUTTERS.—A Missouriian has patented an invention which consists in improving hay and straw cutters by the application thereto of a grinding plate that takes up the wear on the knife as it occurs, a peculiar support for the cutter blade, and also novel means for operating the feed roll. These are said to cause the machine to operate with less labor and to cut the hay or straw more uniformly than is usual.

A good field of corn is described by the Danville Union, Indiana, whose editor says: We found upon actual measurement that it would average eleven feet or over, many stalks being found thirteen feet high. We had to stand on the top of a 10 rail fence to see over the field, and the tops of the corn seemed as level almost as water. We have seen many fields of corn this season, but none better than this.

A Missouri paper says, "Yesterday we counted eleven able-bodied farmers, whose grass and oats needed cutting, sitting on dry goods boxes complaining about hard times."

A stock keeper says he has never failed to relieve a choked animal by raising its head as it for drenching, and throwing down its throat a broken hen's egg, shell and all.

Scientific.

THE HEAD OF A WHALE.—The head is one-third the entire length of a sperm whale, and in obtaining the valuable spermaceti which it contains the whalermen divide it into three parts—the "case," the "junk," and the bone. The "junk" is first hauled on board and stowed away, and then the "case" is bailed. The "case" is a massive part of the head, cellular in the interior, the walls of the cells running vertically and transversely. It is filled with an oily substance of a faint yellow tint, translucent when warm. The oil-bearing flesh forms about one-third of the mass, and in a large whale it has yielded three and a half tons. The case also containing the respiratory canal, and a cavity of extraordinary depth filled with oil. An opening is made at one end for the purposes of bailing, and it is next hauled to a vertical position beyond the reach of the water. A deep and narrow bucket attached to a line and pulley is then lowered, and brought up full of transparent spermaceti, mixed with silky integuments having the odor of freshly drawn milk. The sore hands of the crew, soaked in the rich substance, are relieved and healed, and the green-Lorns dabble in it with the ineffable satisfaction displayed by city youngsters in a mud puddle.—Harper's Magazine.

EXTENSION OF UNDERGROUND RAILWAYS IN LONDON. At the enormous cost of \$12,500,000, the Metropolitan Inner Circle Railway Company is busily engaged in carrying out its plans. In addition to the construction of lines, stations, etc., this company is compelled to make an entirely new street, from Fenchurch street to King William street, and also to widen the streets right and left which branch therefrom. The importance attached to this enterprise may be gathered from the fact that the Metropolitan Board of Works and the corporation of the City of London have subscribed the sum of \$2,500,000.

MENDING BELLS.—Among the recently patented novelties is a method of mending cracked church bells, so as perfectly to restore their tone. It is done by introducing a furnace within the bell, to warm up and fuse the edges of the crack, at the same time pouring in new metal enough to fill out the crack, the sides of the bell being covered with plates to prevent escape of molten metal.

PAPER.—Hardly a year passes by without some new use for paper being discovered, the possibilities of that article seemingly yet undeveloped. It is very successfully used for making buggy boxes, baskets, belting for machinery, boats, clothing, and household materials, and in some branches of trade it is rapidly superceding wood in the manufacture of fancy articles.

The Hartford Post says: "If life insurance companies had been in business in Palestine at the time, wouldn't Methuselah have been a healthy risk-life policy, for instance, annual premium from his 50th to his 369th year!"

EFFECT OF SOAP WATER ON INCANDESCENT METALS.—A red hot copper ball, plunged beneath the surface of water containing soap, remains quiet, being surrounded with a thick envelope of vapor.—Moniteur Scientifique.

Elephants are fast multiplying in Madras, and hunting parties are numerous. They have to pay for their fun, of course, but so do elephant seers here.

RECIPE FOR ROOF CEMENT.—Four parts of coal tar, one of air-slacked stone or shell lime, and one of hydraulic cement or water lime. The cost of the materials is about three or four cents per gallon—a quantity sufficient for a large roof coating only a trifle. Put the tar into an iron pot over a slow fire, and when moderately hot sift in the lime and cement. Stir and mix well. Apply it warm. A second coat will be well to make sure the covering of all the leaky cracks and to increase its durability. To improve the color and lasting, sift on a coat of white or yellow dry sand soon, or about as fast as it is put on, as it soon becomes hard.

It is said that there never was an honest red-breast; he is always a robin.

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