

The Christian Messenger.

HALIFAX, N.S., NOVEMBER 4, 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 1st to 30th with corresponding times and phases.

THE TIDES.—The column of the Moon's Southing gives the time of high water at Farnborough, 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.

St. Johns, N. B., April 16th, 1874. GEO. L. FELLOWS.

This is to certify that I was attacked with a very severe cold combined with the Asthma very 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. 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. 6. 25 ins.

Agricultural.

CANADA THISTLES WANTED FOR MANURE.—An old man, not afraid of Canada thistles, writes as follows to the Country Gentleman of Sept. 17th:—

"In your paper of Sept. 3, 1874, page 563, there is a way told us by W. J. F. how to kill Canada thistles." I bought part of this farm in 1821, it being nearly all woods. This timber was nearly all cut into cordwood for boiling salt at Salina. Of course the land was cleared slowly, and thistles got the start of me, but they are the poor man's clover. I wish I had every thistle in the state on this farm. I have turned under, I presume, five tons of them to the acre when fully in the blow—summer fallowing and taking off 1,400 bushels of wheat the next year, from 35 acres, and not one bundle left unbound. This 1,400 bushels was put into shock in five days, with three cradles, and hands to rake and bind. Those who dread thistles do not know how to get good out of evil. I have drawn wheat to Albany from this farm before the Erie Canal was made, this farm joining that ditch for a mile. A poor man must work and step quick to perform what I have done. I have sunk more than 200 stones on this farm, some that would weigh more than twenty tons each, and am quite smart yet, for a man born before the nineteenth century."

TRANSPLANTING EVERGREENS.—The latter end of August is one of the best seasons of the year to transplant evergreens. The young growth of the past season has got pretty well hardened so as to permit of but very little evaporation—and the earth being warm, new roots push with great rapidity and the tree becomes established in the ground before cool autumn winds begin.

The chief difficulty is that the soil is usually very dry, which prevents much speed with the operation; and the weather being usually very warm, the trees have to be set again in the ground almost as fast as they are taken up; so that it is not safe to bring them from a distance. It is well, therefore, to make all ready in anticipation of rain, when no time may be lost in having the work pushed through.

Should a spell of dry weather ensue, which in September or October is very likely, one good watering should be given, sufficient to soak well through the soil and well about the roots. A basin should be made to keep the water from running away from the spot and to assist in soaking in. After being well watered, the loose soil should be drawn in over the watered soil, which will then aid in preventing the water from drying out soon again.—Gardener's Monthly.

CHARCOAL FOR POULTRY.—The benefit which fowls derive from eating charcoal is, I believe, acknowledged. The method of putting it before them is, however, not well understood.

Pounded charcoal is not in the shape in which fowls usually find their food, and consequently is not very enticing to them. I have found that corn burnt on the cob, and the refuse—which consists almost entirely of the grains reduced to charcoal, and still retaining their perfect shape—placed before them, is greedily eaten by them, with a marked improvement in their health, as is shown by the brighter color of their combs, and their sooner producing a greater average of eggs to the flock than before.

A lady correspondent of Moor's Rural New Yorker says: I take good, thick paper, cut three-cornered, and double it in the shape of a funnel, fill with dirt, and planting a seed in each one, bury it in a box filled with earth. The seed will soon germinate. When the plants are ready to remove to the flower-bed, lift the paper out and plant like roots. The paper will soon rot and the plants will never wilt. I transplanted nasturtiums in this way with perfect success.

EFFECT OF PLASTER.—It has been shown that at the Michigan Agricultural College a single bushel of plaster added a full ton of hay to the yield of an acre of ground in the five, most of it in the four mowings that followed—two crops being taken off the ground each of the two years succeeding the sowing of the plaster.

The hay in some parts of Iowa is so very abundant and cheap that it has been found more economical as a fuel for steam purposes than peat or any other substance.

Scientific.

DESCRIPTION OF A FISH-LADDER.—A fish-ladder is ordinarily so simple and inexpensive an affair that it would seem men owning dams would, if informed, construct them without the requirements of a compulsory statute.

A good fish-ladder, for use in our mountain streams, is made in the form of a long box, of plank, open at both ends, four feet wide and three feet high. One end of the box is fastened at the top of the dam, the other end is extended to and fastened in the center of the pool below the dam. In the inside of the box, and fastened on its bottom, are pieces of plank about four feet apart placed transversely, and called "rifles." Each rifle is about a foot high. These rifles do not extend from side to side of the box, but only two-thirds across. To illustrate: If the first rifle is fastened on the side of the box, at a right angle to its sides it will extend thirty inches across the box; the next, four feet above, will be fastened on the left side of the box and extend thirty inches across it, and so on, alternately, until the top is reached. The water passing into the top of this box is caught by these rifles and diverted right and left by them until it reaches the stream below. The fish coming up the stream to the dam seek and explore every crevice and opening where water is passing. If the lower end of the fish-way is placed near the center of the pool below the dam, they readily find it, and immediately enter it.

A MODEL CITY.—A curious piece of mechanism has been produced by an Amsterdam jeweler, called the "Great-Mechanical City," and is twenty feet long by fifteen feet wide. There are houses, castles, churches, and stores in it, just as they appear in almost any European city. People walk and ride about. Horses and wagons and railway cars pass through the streets. Boats pass up and down the river, while some are loading and others unloading at the docks. Mills are in motion. A fountain plays in the public park, and a band of music fills the air with melody. There are also forts with soldiers parading about them, blacksmith shops with artisans at work in them, and pleasure gardens with people dancing in them.

TWO WRINKLES.—When a screw hole gets so worn that the screw will stay in, cut narrow strips of cork, not and fill the hole completely. Then force the screw in. This will make as tight a job as if driven into an entirely new hole.

To put a staple into a block of stone. The hole is made, the staple inserted, and lead melted and run in. But unless the hole is made with the bottom larger than the top, the lead will in time work out, if there is much jar or side strain on the iron. A much better article is sulphur. If this be melted and poured in around the staple instead of lead, it makes a much more durable job. Besides, it is often more easy to procure sulphur than lead, as every store keeps it that deals in general variety.

FRENCH ROLLS.—Warm one ounce of fresh, sweet butter in a gill of sweet milk, add a large tablespoonful of yeast, and a little salt; sift one pound of flour into a pan, pour in and stir well the milk, and let the dough rise in a warm place, covering it with a thick towel. When light, knead well, and form into rolls. Put these in a well-floured pan, in a warm place to rise, and bake in a quick oven.

GOLD AND SILVER CAKE.—One cup sugar, half cup butter, half cup sweet milk, the whites of four eggs, two cups flour, one teaspoon cream tartar, one half teaspoon soda; for the gold cake use the yolks and flavor differently.

A ham well packed in pulverized charcoal, after the usual smoking, will keep for years. Butter in pots, well surrounded with charcoal, will keep for twelve months. Each atom of charcoal can absorb 1,000 times its bulk of deleterious gases.

The attempt to export young American shad to Germany for stocking the rivers, has proved a failure. Although abundantly supplied with fresh Croton water, all of the hundred thousand fish died of starvation before the end of the journey.

At the last advices Coggia's comet was brilliantly visible in Australia.

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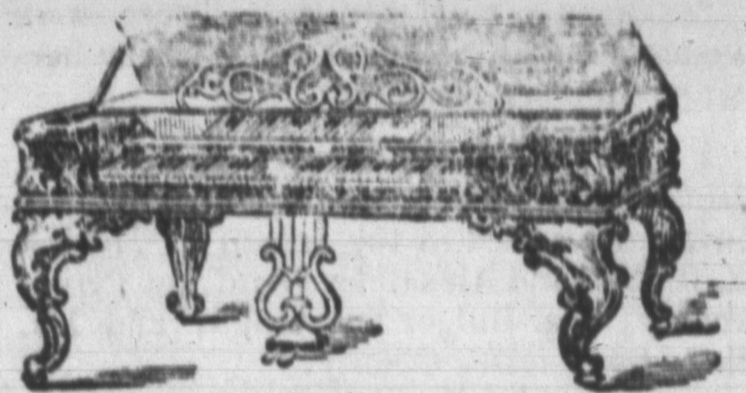
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