

The Christian Messenger.

HALIFAX, N. S., MAY 26, 1875.

ALMANAC FOR JUNE.

New Moon, June 3rd, 6h. 6m. afternoon. First Quarter, " 10th, 3h. 41m. afternoon. Full Moon, " 18th, 7h. 41m. afternoon. Last Quarter, " 26th, 10h. 45m. morning.

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

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, 30 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 24 hours, and to the remainder add the time of rising next morning.

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DAY AND EVENING. In addition to our regular Course, we will, as soon as a reasonable number of applications are received, open EVENING CLASSES in TELEGRAPHY, employing an experienced instructor, who is ready to commence operations at once. Also from the 4th January next, we will give regular instructions in PHONOGRAPHY. Terms moderate. Persons holding Scholarships will receive instructions in these subjects at reduced rates. J. W. BETCHER, Nov. 18.

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. 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.

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. 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. 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, William Street, New York.

Science.

CEMENTS.—1. Waterproof Cement for Cast Iron Pipes, etc.—Take equal weight, in dry powder, of burnt lime, Roman cement, pipe clay, and loam, and knead the whole with about one sixth the weight of linseed oil. The addition of more Roman cement improves the quality.

2. Cement which Resists Moisture and Heat but not the Direct Application of Fire, for Gas and Steam Pipes and Similar Purposes.—Two parts of red lead, five parts of white lead, four parts of pipe clay; fine and dry, and work the whole into a stiff mass with boiled linseed oil.

3. Rust Cement for Water and Steam Pipes, Steam Boilers, etc.—Make a stiff paste with two parts sal ammoniac, thirty-five parts iron borings, one part sulphur, and water, and drive it into the joint with a chisel; or, two parts of sal ammoniac and one part flower of sulphur, add sixty parts of iron chips, and mix the whole with water to which one sixth part vinegar or a little sulphuric acid is added. Another cement is made by mixing one hundred parts of bright iron filings or fine chips or borings with one part powdered sal ammoniac, and moistened with urina; when thus prepared, force it into the joint. It will prove serviceable under the action of fire.

4. Stove Cement, for the Joints of Iron Stoves.—Mica, together with finely sifted wood ashes, and equal quantity of finely powdered clay, and a little salt. When required for use, add enough water to make a stiff paste.

5. Iron Cement, which is Unaffected by Red Heat.—Four parts iron filings, two parts clay, one part fragment of a Hessian crucible; reduce it to the size of rape seed and mix together, working the whole into a stiff paste with a saturated solution of salt. A piece of fire brick can be used instead of the Hessian crucible.

6. Cement for Fastening Wood to Stone.—Melt together four parts pitch and one part wax, and add four parts brick dust or chalk. It is to be warmed, for use, and applied thinly to the surface to be joined.

NEWLY DISCOVERED RACES IN AFRICA.—In a recent lecture delivered at Cologne by Dr. Gerhard Rohlfs, the African explorer, a most interesting account was given of the last part of a journey from Tripoli to the coast of Guinea. He visited the Empire of Bornu, situated to the south of Lake Tehad, and found the negro tribes dwelling there to be by far the most civilized of the North African natives. From Kouka, the capital of Bornu, Dr. Rohlfs struck south to Mandara, and entering the districts of the Pullo or Fullo tribes, found the inhabitants "to be of a light yellow, almost white complexion, and surpassing even Europeans with regard to beauty of form and growth." The civilization of Bornu and its neighbouring districts was treated in detail by the lecturer, and was shown to present features of great importance to the students of Anthropology.

COUGHING.—The best method of easing a cough is to resist it with all the force of will possible, until the accumulation of phlegm becomes greater; then there is something to cough against, and it comes up very much easier and with half the coughing. A great deal of hacking, and hemming, and coughing in invalids is purely nervous, or the result of mere habit, as is shown by the frequency with which it occurs while the patient is thinking about it, and its comparative rarity when he is so much engaged that there is no time to think, or when the attention is impelled in another direction.

SIZING BEFORE PAINTING.—Mr. A. A. Hopkins, at a meeting the other day of the New York Farmers' Club, expressed surprise that, in rejuvenating old buildings, sizing is practised so infrequently. "His father's old homestead was painted red; and upon visiting it after some years' absence, he proposed it be painted over a more modern colour. His father objected that it would cost too much to cover up the red; but he went out to a slaughter-house and procured a lot of cattle's old hoofs, which he boiled up, making a very thick sizing, which he spread on, after which two coats of white, without any great consumption of oil, completely concealed the original ruby." Mr. Dewey said that in painting he had economized by using three quarts of petroleum to one of linseed, and with satisfactory results.

Agriculture.

TURNIPS AND CORN TOGETHER.—A Westchester Co., N. Y. farmer is in the habit of sowing yellow Aberdeen turnips among his corn at the last passage of the cultivator, when the plants are about five feet in height. The turnips do not make much growth until the corn is out, after which they swell rapidly. The cost is nothing except for seed and harvesting, and corn, being already cut, is not injured when the turnips are gathered in. From one to four hundred bushels of turnips per acre have been thus obtained without lessening the corn crop. Weeds are not tolerated, and the whole strength of the land is devoted, as it should be, to useful crops.

WITLOOF.—A NEW SALAD.—The Belgians cultivate a variety of shigory which has a close head similar to cabbage or lettuce. The name "Witloof" means "Whiteleaf." In Brussels, the heads of the Witloof are cooked whole, and eaten with white or cream sauce; but it is equally good as a salad. It is all the more valuable on account of its being obtainable at a season when other vegetables are comparatively scarce, the markets of Brussels being supplied with it from Christmas till Easter, and later. The seeds of this variety are sown during the first fortnight of June, in good and rather deep garden soil.

THE FOOT-ROT can easily be cured by simply taking a tarred rope, drawing it smartly through the split in the hoof a few times, when it will give out a bad stench; remove the rope and fill the raw wound with fine salt. One application is all that is necessary generally; keep the animal from the wet barnyard—which is a fruitful cause of this disease; have had six or eight so afflicted at once, always effecting a speedy cure by using the means described above.—Brownie.

WANTED, A PEA!—It is the Rural New Yorker that wants it. This is the sort of pea it wants:—A pea that shall be green in color when mature, and that, when cooked in mid-winter, shall retain all the luscious excellence and flavour of the best of peas cooked green. Cannot such a pea be secured? The near approach to it which is found in some varieties warrants the hope, if not the belief, that such a pea will yet be produced. We need a better class of peas in this country than we have; and considering their nutritive character as food for both men and brutes, we ought to grow and use more of them.

A correspondent of the New York Tribune says that bran sprinkled on cabbages immediately after the appearance of the yellow butterfly, is a sure way of getting rid of this pest of gardeners.

TO CURE SELF MILKERS.—A correspondent of the Indiana Farmer relates the cure of a self-milker by smearing the teat with a compound composed of grafting wax (softened by the addition of a little lard) and cayenne pepper. The teats, of course, have to be cleaned before milking, but in a couple of weeks he found the habit so effectually broken as to render further applications unnecessary.

HOW HE RAISES POTATOES.—Mr. Slocum, of Western New York, raises potatoes in this way:—He uses small but not the smallest seed. Commences cutting his seed two or three weeks before planting; then spread the cut potatoes about one foot thick on the barn floor, mixing plaster with them to prevent bleeding. Plants in hills two feet and eight apart each way; puts his foot on the seed to press into the firm soil, and cover with a machine. Never could see any benefit from changing seed. From clay to sand they grow smaller.

HOME-MADE CRACKERS.—A good recipe: Half a teacup of shortening, three teacups of cold water, one teaspoonful of soda, two teaspoonfuls of cream of tartar, and nearly five quarts of flour. Rub the shortening, soda, cream of tartar, and salt, well into the flour, and wet up with the water—the dough will be very stiff, needs no pounding nor extra kneading. Cut out, prick, and bake in a quiet oven.

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