

The Christian Messenger.

HALIFAX, N. S., JULY 1, 1874.

ALMANAC FOR JULY.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. It lists astronomical data for the month of July, including sunrise and sunset times, moon phases, 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.

MRS. AINSLEY'S Arthranodyne Liniment.

This magical pain curer having been in use among private friends for a number of years is now offered to the public as a superlative remedy for RHEUMATIC PAINS, TOOTHACHE, NEURALGIA, SPRAINS, &c.

Lunenburg, August 20th, 1873. MRS. AINSLEY, DEAR MADAM,—Having found the efficacy of your very valuable Liniment in the case of sore throat, which by two applications I was entirely relieved both of the swelling and soreness, I was induced to apply it to the parts affected by a severe attack of Lumbago.

DR. R. R. CUNNINGHAM, DENTIST, 40 GERMAIN ST., ST. JOHN, N.B. Dentistry in all its branches. Artificial teeth mounted on the Gold Plates. I keep a large assortment of teeth from the best manufacturers, in every variety of style.

DR. R. R. CUNNINGHAM, 40 GERMAIN ST., St. John, N.B. March 12. OUIFITS FREE. Employment at your homes or travelling. The work is congenial, honorable, and pays the best of anything ever before offered.

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Wholesale and Retail. Our prices are as low as any in the city. Silk Hats made to order by Conformateur Measure, without extra charge. EVERETT BROTHERS, 100 Granville St., May 3.

Agricultural.

A NEW KIND OF OATS.—We have been shown, says a correspondent of the St. Albans Messenger, a sample of "hull-less-oats," by Mr. Jacob Smith, of Montpelier, who is introducing them as seed for field culture in this State. They resemble the common oat after the hull is removed. In the threshing, the grain comes out of the hull like wheat. Forty bushels have been raised to the acre at the West, and the grain weighs forty-eight pounds per bushel. The seed was brought to this country a few years since by a laborer from Belgium, who sowed it, but left before it was harvested, so that nothing further is known of its history. It is claimed that the grain makes an excellent meal, superior to that usually obtained from the common varieties, after hulling, and as this forms quite an item of food at present in this country, if this new acquisition can be raised successfully, it will be very useful for this purpose, as every farmer can easily raise sufficient for his own use, at least. As there must be at least three times the amount of meal in a bushel of this variety over the common kinds, if forty bushels can be raised on an acre, it will be a profitable crop to produce. But time, which proves all things, will determine its adaptiveness to this country and its value as a crop.

IMPROVING WHEAT SEED.—A writer in the Rural New-Yorker says:

It has been my practice for the last sixteen or eighteen years to run my wheat for seed over a very coarse seed screen, so as to sow none but the very largest kernels. By so doing I have improved my wheat so that I have sold nearly all my wheat at home for seed. But in 1871, I hit upon a new plan. I had a piece of Treadwell wheat that was injured by insects in the previous fall and killed by freezing in the winter, so that there were spots not worth cutting. After harvest I observed a few scattering heads of unusual size. It occurred to me that there was wheat that had withstood the ravages of the insects and the rigor of the winter. I gathered enough to sow one rod square, from which I realized twenty pounds of wheat, of unusually large, even berry, which was at the ratio of over fifty bushels per acre; last harvest had twenty bushels which weighed sixty-six pounds per bushel. It is my opinion that we realize the best crops from the best and most perfect seed in the vegetable as well as the animal kingdom.

RYE GRASS.—A correspondent of the Willamett Farmer says:

I have tried it on three different kinds of soil, and it has done well. My opinion is that it is the best grass for dry ground that we have on this coast. I sowed one piece on a high ridge that was very ferny, and the grass grew four or five feet high, completely smothering the fern down. It is of a quick growth and starts early in the spring. I have one piece in my field that is over six feet high at present. I have some timothy alongside of it, that is not over one foot high. I have not tested it to any great extent for hay, but so far as I have done so I am satisfied it will make fair hay, but for grazing I think it will excel any grasses we have.

MANURIAL.—A correspondent of The Maine Farmer bores holes, at intervals of two feet, behind his cattle in the stable, and under these holes places an inclined trough made of two narrow boards, which conducts the liquid manure to the solid manure pile.

After the removal of the solid manure, he places muck under the end of the trough, and it becomes so thoroughly saturated us to make a good fertilizer.

SPICED BEEF.—Chop tough beef-steak (raw) and a piece of suet the size of an egg, season with pepper, salt and a little summer-savory, add two eggs, one-half pint of bread crumbs, four or five table-spoonfuls cream, small piece of butter, mix and make in a roll with flour sufficient to keep together, put in a pan with a little dripping and water, bake as a roast. Slice thin when cold. Nice for tea.—Ploughman.

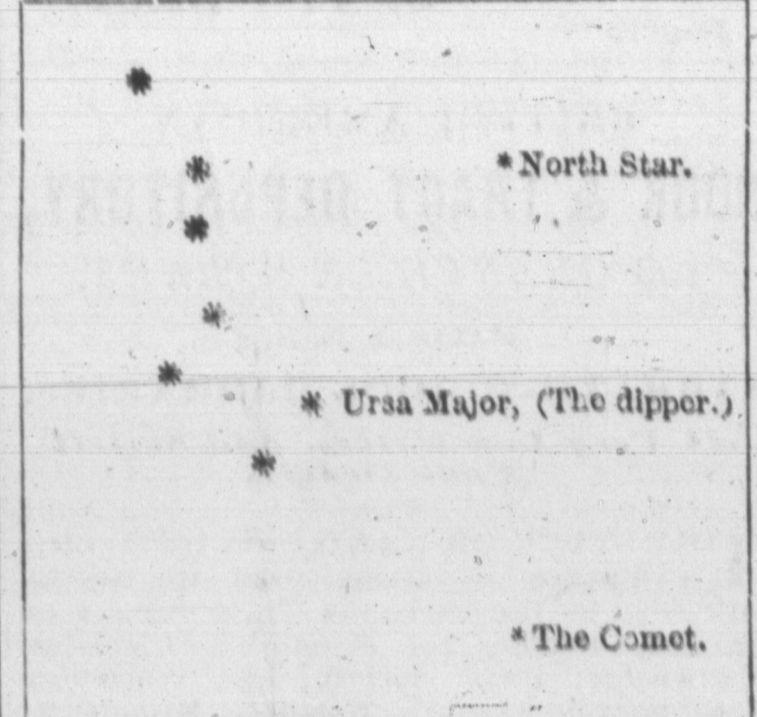
FROSTED LEMON PIE.—Juice and grated rind of one lemon, one cup of sugar, one cup of water, yolk of two eggs; or use cream instead of water, if you want it richer; bake. Beat the whites to a froth, with a little sugar, and spread on the pies. To be made with one crust.

Scientific.

A NEW COMET.—The inhabitants of this part of the world are likely, before long, to enjoy the evening entertainment of a brilliant comet, which is now barely visible in the western sky; but it is approaching the earth and sun with great velocity, and will soon be a conspicuous object in the heavens. This comet was first seen on the 17th of April, at Marseilles, France. It was discovered here on June 8th, by Professor Lewis Swift, of Rochester, N. Y., who gives the following particulars:

"It is approaching both the sun and the earth with a constantly accelerated velocity, arriving at perihelion (nearest the sun) and perigee (nearest the earth) about the first of August. I see nothing, therefore, to prevent its being a very conspicuous and beautiful object in the western sky during the months of July and August. It is now situated, at 1 o'clock in the morning, directly beneath the polar star, and about twenty-five degrees from it, and is just visible to the naked eye. With an opera glass it can be easily seen as a hazy nebulous mass, with a bright point a little to one side. Through my telescope of four and one half inches aperture, six feet focus, it presents a tail filling the whole field, with a low power of thirty-six. So directly toward us is it moving it seems almost to stand still, its slight deviation from it giving an apparent motion toward B Ursa Majoris. It is now visible all night, but will soon be so only in the early hours of evening, setting in the northwest.

If at the time of its nearest approach to the earth the moon should be absent, we may expect, from present indications, to be treated with a cometary display which may rival the transit of Venus in popular as well as scientific interest. The comet will be brightest on the evening of August 3, being then 245 times as bright as at the time of discovery, while now it is only 5 1/2 times as bright; and as the moon will be absent, it will be subjected to spectroscopic analysis under circumstances more favorable than may occur again in many years. It will then be about 5° from Denabola, the brightest star in Leo."



To assist those of our readers who are not versed in astronomy to find the comet, we give a diagram showing the seven bright stars forming what is commonly known as the Dipper, from which the observer will carry imaginary lines down to three smaller stars below the Dipper, thence obliquely to the right, where the comet will be found. Just at present a spyglass or an opera glass will be needed to assist the vision; but in a few days the comet's tail will stand out clearly, and a special search will be unnecessary.—Scientific American.

RAILWAYS WITHOUT SWITCHES, TURNOUTS, OR CROSSINGS.—Mr. Chas. Jordan, of Newport, England, proposes to stop one extensive source of railway accidents in what is certainly a thorough manner. He proposes to make the up and down main lines without the usual switches, turnouts, and crossings, the lines being continuous from end to end, and to work such road by transferring a train or trains at stations or where slanting is necessary, or at junctions with other railways, from the main line to the adjacent siding, by lifting the train bodily from one line to the other. The lifting will only be an inch or two, and the hydraulic apparatus as now constructed will make nothing of the weight, while as to time, Mr. Jordan calculates that a few minutes will suffice to transfer a train from one road to another without disturbing a single passenger. The whole work of a station, as regards the hydraulic apparatus, may be done by one, or, at large stations, two lads. The time saved in switching will be very great, and the risk of collision reduced.—Ib.

ASIATIC HANDSAWS.—Handsaws in America and England have the teeth pointed from the handle, while in Asiatic countries and in Greece they are made with teeth pointed the other way. The latter must be operated by pulling them, the former by pushing. In delicate work, and where very fine small saws are used, the Eastern saw is the best. The Orientals differ from us in setting the teeth of the saw also. They turn a group of a dozen one way, and the next group the other, while we alternate, one on one side, the next on the other.—Ib.

In the proposed railway up Mount Vesuvius, the engine, which is fixed at the bottom of the plane, sets two drums in motion, round which the metallic cable is wound, by means of which the trains are drawn up and let down simultaneously.

A railway train lately arrived at Algiers, Africa, from Oran, six hours behind time, the cause of the delay being that the rails were covered with a thick layer of locusts.

MILK FROM SWITZERLAND.—The American process of condensing milk invented by the late Gail Borden, of Texas, has been everywhere copied in Europe. Large works have been erected in Switzerland, and cows that feed on the finest Alpine pastures now furnish excellent milk for the city of New York.

A STORY OF ROBERT EMMET.—There is a story told of this young patriot in early life that proved his secretive power and resolution. He was fond of studying chemistry, and one night late, after the family had gone to bed, he swallowed a large quantity of corrosive sublimate in mistake for some acid cooling powder. He immediately discovered his mistake, and knew that death must shortly ensue unless he instantly swallowed the only antidote—chalk. Timid men would have torn at the bell, roused all the family, and sent for a stomach pump. Emmet called no one, made no noise; but stealing down stairs and unlocking the front door, went into the stable, scraped some chalk which he knew to be there, and took sufficient doses of it to neutralize the poison.

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