

The Christian Messenger.

ALMANAC FOR AUGUST.

New Moon, August 1st, 9h. 13m. morning. First Quarter, " 8th, 11h. 16m. afternoon. Full Moon, " 16th, 9h. 19m. afternoon. Last Quarter, " 23rd, 9h. 24m. afternoon. New Moon, " 30th, 7h. 27m. afternoon.

Table with columns for Day, SUN, MOON, and High Tide. Rows list days from 1st to 31st with corresponding times and phases.

THE TIDES.—The column of the Moon's Southern 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.

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.

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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. 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. Aug. 12. 1 yr.

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, 25 William Street, New York.

Aug. 5. 25 ins.

Agriculture.

WEEDS AND WEEDING.—One of the best ways to get rid of weeds is not to grow them. The frequent disturbance of the soil, when they are about to appear is a sure means of preventing their growth. An illustration of this fact may be made in any vegetable garden. Let a common scuffle, or other hoe, be used between any two rows of vegetables, and let the soil of the next rows be left untouched, and, after a few days, especially in moist weather, the latter will be a bed of young weeds, whereas the former will be comparatively clean.

Even if hand-weeding have to be resorted to, it is better to attack weeds when they are young, otherwise the stalks are liable to break, leaving the roots in the soil to send forth new ones. A farmer cannot afford to grow weeds if his own crops are of any value to him.

In hot weather the hoes should be kept constantly going while weeds are to be found; for they are most easily killed when the roots are exposed to the scorching heat of the sun. Should it happen that any weeds bordering open drains and fences are permitted to grow large, let them be cut before the seed ripens, and better still if at a much earlier date, to prevent all possibility of the juices of the stalks assisting in the ripening of the seeds after they are cut.

"One year's good weeding, Will prevent seeding." —Pen and Plow.

BUCKWHEAT.—The buckwheat crop has been unworthily classed among the catch crops, and has also been designated as the lazy farmer's crop. It is worthy of much higher estimation than this. The grain itself is of considerable value for feeding stock and poultry. It is held in estimation in the market and in the household, as the raw material for the popular buckwheat cakes, and bears a sufficiently good price when brought early into the market, to render it profitable to the farmer. It is a convenient crop, coming as it does to occupy the place of any others that have failed to get planted or sown in due season. It is a clearing crop; smother weeds, leaves the ground mellow and in good condition for a following spring crop, and in the majority of cases it serves a valuable purpose as foster crop in seeding down to grass. As a means of partially following ground it serves an excellent purpose, and is more useful still when made to furnish, as it easily will, a mass of green matter to be ploughed under as manure.

Although it will grow upon any kind of soil, yet no crop pays better for good treatment than this. It responds quickly to a moderate dressing of manure. It is a lime crop, the straw having in its ashes four times as much lime as wheat straw, and twice as much as corn stalks. It draws but little nitrogen or phosphoric acid comparatively from the soil, but is rich in carbon, which is the most abundant element the soil possesses, and it is to this carbonaceous matter the grain contains that it owes its value as a winter feed for stock or as a winter diet for the farmers.

As it ripens irregularly and is killed by a comparatively light frost, the crop should be harvested as soon as the bulk of the grain upon the lower branches is ripe.—N. Y. Times

CROP REPORTS from the grasshopper districts in Kansas and Missouri state that corn is looking splendid, and will be about two thirds of a crop in the devastated counties. A singular feature is that in the section visited by the grasshoppers a new kind of buffalo grass is springing up, and farmers are greatly excited.

With the departure of the grasshoppers from Kansas, the State Relief Society has been dissolved. The Society expended about \$185,000. From other sources about \$400,000 more was contributed for the 20,000 grasshopper sufferers, or about \$20 a head.

A common squash properly harnessed raised a weight of 5000 pounds by its mere expansion in growing. The experiments were made at Amherst, Mass.

The immense cannon now being constructed at Woolwich will cost the British government \$2,500,000.

Science.

VALUE OF METALS.—The following is a list of the twenty-eight known metals, with their present market prices. Certain of them from their very rarity have no direct commercial value, since they have never been obtained in sufficient quantities to be of any service in the arts. Others, like nickel, have found recent demands, rapidly increasing, owing to the additional service they are made to render. The list, as given by the Journal of Chemistry, is that of their value per pound avoirdupois, and is as follows:

Table listing metals and their prices per pound: Indium \$2520.00, Silver \$18.85, Vanadium 2500.00, Cobalt 7.75, Ruthenium 1400.00, Cadmium 6.00, Rhodium 700.00, Bismuth 3.64, Palladium 653.00, Sodium 3.20, Uranium 576.58, Nickel 2.50, Osmium 325.28, Mercury 1.35, Iridium 317.44, Antimony .36, Gold 301.45, Tin .33, Platinum 115.20, Copper .25, Thallium 108.77, Arsenic .15, Chromium 68.00, Zinc .07, Magnesium 46.50, Lead .04, Potassium 23.00, Iron .02.

FOR GIVING IRON WIRE THE APPEARANCE OF SILVER.—The iron wire is first placed in hydrochloric acid, in which is suspended a piece of zinc. It is afterwards placed in contact with a strip of zinc in a bath of two parts tartaric acid dissolved in 100 parts of water, to which are added three parts of tin salt and three parts of soda. The wire should remain about two hours in this bath and then be removed, and made bright by polishing, or drawn through a polished iron. By this galvanic method of tinning, wire which has been wound in a spiral, or on iron of other shape, can be made quite white, which is an advantage over most other methods, where the wire is tinned in the fire, and then drawn through a drawing plate.

SALT WATER FOR THE EYES.—Many persons are suffering pain from weakness of the eyes. This, sometimes proceeds from local inflammation, sometimes from other causes. Several persons who have thus been afflicted inform us that they have derived almost immediate, and in some cases, permanent relief from the application of salt water as a bath; and when the pain has been aggravated, from a compress saturated with salt water laid on the eyes, and renewed at frequent intervals. Opening the eyes and submerging them in clean salt water has been found beneficial to those whose eyesight begins to fail.—Ex.

Fire was lately discovered in a berth on a steamboat in England, which had originated from the heat of the sun—one of the glass "deadlights" concentrating the rays directly on the spot, and acting as a burning glass.

GLYCERIN paste for office use may be prepared by dissolving 1 oz. gum arabic and 2 drachms glycerin, in 3 ozs. boiling water.

A putty of starch and chloride of zinc hardens quickly, and lasts, as a stopper of holes in metals, for months.

The best homemade fireproof safe is a hole in the ground, well lined with brick and cement.

DOMESTIC ECONOMY.

BEEF BIRDS.—Cut slices half an inch thick from the rump or round of beef; divide them into pieces about four inches square; spread them with sausage meat, or force-meat if you prefer it; roll up tightly, tie or skewer them, brown them in butter, cover with broth and stew until tender and nearly dry; thicken the gravy with a spoonful of browned flour; add a wine-glass of tomato or mushroom catsup, boil up, pour over and serve.

BEEF'S LIVER PICKLED.—Make a pickle to bear an egg, of only salt and water; put the liver in it, with a weight on it to keep it down; turn it once in the pickle. In ten days it will be ready to take out. Hang it up in a cool, dry place. In a few days you may use it. Cut very thin; melt a piece of butter in a pan; put the liver in and stir about until cooked; dust in a little flour; add milk or cream; give a boil up and serve. Cut the liver as thin as you cut dried beef for frizzling.

TO KEEP LEMONS.—A simple and inexpensive way to keep lemons is to place them in a jar filled with water, to be renewed every day or two. By this means, it is said, the fruit can be kept fresh and sound for several years.

BAPTIST CHURCH REQUISITES.

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