

The Christian Messenger.

HALIFAX, N. S., JUNE 30, 1875.

ALMANAC FOR JULY.

New Moon, July 3rd, 1h. 10m. morning. First Quarter, " 10th, 6h. 26m. morning. Full Moon, " 18th, 9h. 12m. morning. Last Quarter, " 25th, 4h. 25m. afternoon.

Table with columns: Day, SUN. (Rise, Sets), MOON. (Rise, Sets), High Tide. Rows 1-31 for July.

THE TIDES.—The column of the Moon's Southings 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, 20 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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TELEGRAPHY,

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KATON'S FRAZEE. 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. 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,

William Street, New York. Aug. 6. 26 ins

Agriculture.

A NEW WAY OF PREPARING WHEAT FOR THE TABLE.—Dr. Dio Lewis writes:—Wheat contains of the carbonates or heat and fat producers, sixty-nine per cent; of the nitrates or muscle-makers, fourteen per cent; of the phosphates or food for brain and bones, two per cent. These proportions constitute for a temperate climate, and with a moderate degree of exercise, a model food. So if wheat were eaten in its natural condition without bolting it would supply all the needed elements of the human body, and would sustain life for an indefinite period. But in the process of bolting a large proportion of the nitrates and phosphates are removed; so that bread made of superior fine flour will sustain life only a few weeks.

Perhaps the most palatable way in which wheat can be eaten is when boiled whole, and used with a little cream. For myself, I have never eaten any food so sweet and satisfactory to the palate as boiled wheat. When visiting some friends in Georgetown, Ky., many years ago, I was invited to dine with Professor Thomas, of the college located in that city. Mr. Thomas served as a dessert boiled wheat with cream and sugar. At that time I had never eaten it. The company—which was a large one—unanimously voted that they had never eaten a dessert so delicious. I have tried it many times since, and am always surprised that an article of food so cheap, so easily prepared, and every way so desirable, should not find general favour.

A man may perform hard labour on wheat and water for years; but give him as much superfine flour-bread as he can eat, and add, if you please, butter and sugar, and he will starve to death.

Several of the menageries have starved their bread-eating animals by feeding them on white bread. If they had fed them upon boiled wheat, and occasionally upon wheat without grinding or cooking, they would have flourished. Cracked wheat, or a flour made of wheat without bolting, is likewise very grateful and healthful.

The ordinary process of making superfine flour results in the loss of the most nutritious portion of the wheat. Under the microscope a grain of wheat divides into three principal layers—the hull, or bran proper, which is not nutritious; the gluten, which lies next within the hull, and which is the most nutritious part of the grain; and the starch, from which the ordinary wheat flour is made. Usually the gluten is removed from the bran in the ordinary process.

A mode of preparing wheat and other grain for grinding into flour has been invented in Basle, Switzerland, the object of which is to retain in the white flour the nutritive properties which have heretofore been lost by the separation of the bran. This process, invented by Herr E. Welsch, of Switzerland, has been received with favour by scientific and practical men of Europe. It consists simply in moistening the wheat before grinding, in a solution of caustic soda in water, one hundred and forty pounds of the liquid being required for two thousand pounds of grain.

The solution is prepared by dissolving six and two-thirds pounds of caustic soda in one hundred and thirty-three pounds of water. The steeping, which occupies about fifteen to twenty minutes can be done in vats similar to those used by brewers. The caustic solution loosens the hull, so that it may be removed by the slightest friction, leaving the gluten with the body of the grain. The flour thus prepared is as white as the present superfine, and contains all the highly-nutritive properties of the Graham and bran breads.

GAIN IN WEIGHT OF CATTLE.—In order to ascertain the gain in weight of growing cattle, an experiment was tried as follows:—A Short horn bull calf was weighed on the 12th of April, 1874, when he was just four months old, and his weight was found to be 503 pounds. May 12 he weighed 593 pounds; June 12, 703 pounds; July 12, 801 pounds; Aug. 12, 886 pounds, and Sept. 12, 966 pounds; a total gain in five months of 463 pounds, or 92½ pounds per month.

HOW TO DRIVE WEEVILS OUT OF A BARN.—The Lancaster Farmer says this has been practically tested: Take the fresh skin of a sheep and hang it in the entry about the middle of the barn to dry. The odor of it will drive all the weevils away, and you will not know what has become of them.

Science.

ASSISTING AT AN ECLIPSE.—The Chinese view an eclipse with wonder, mingled to a great extent with fear and terror, and most of them take some steps to aid the sun or moon, as the case may be, in the hour of need, the principal agents employed being, of course, gongs and gunpowder, without which no ceremonial observance of any kind is complete. The officials at their several yamens (official residences) go through a regular set ceremony on these occasions. They call in the aid of Taoist priests, and an incense vase and a pair of large candlesticks, containing red candles for luck, are placed on a table in the hua-ting or audience-hall, but sometimes in the court in front of it. When the eclipse is beginning, the red candles are lighted, and the official enters, dressed in his robes of state. He takes some lighted incense-sticks in both hands, and bows low in front of the table, waving the incense about, according to custom, before placing it in the vase. He next proceeds to perform the ceremony of "kotou" (literally knock-head), kneeling down thrice, and knocking his head nine times on the ground. He then gets up, and huge gongs and drums are beaten to frighten the devouring monster away; and finally the priests marched round the table in solemn procession, repeating certain prescribed formula in a sing-song tone, until the termination of the eclipse. The officials are, of course, always supposed to be successful in their endeavors to rescue the sun and moon from their perilous position.

A NEW ENGINE.—Carboleum, or carbonic acid, under high pressure, is said to be the medium whereby fuel is to be saved in the great manufacturing and transporting industries of the world. De Beins, of Switzerland, says that with a saturated solution of bicarbonate of soda heated to boiling point in a bath of concentrated common salt, carbonic acid of three to five atmospheres is obtained, and the pressure increases regularly with the temperature. The estimated cost of fuel for a large carboleum engine, is from one-third to one fourth the cost of fuel for a steam-engine of equivalent working power.

SNOW-SPECTACLES.—A London oculist has devised a new kind of spectacles to prevent snow blindness. They are made of ebonite, and are tied on the head by a velvet cord. The spectacles somewhat resemble two half walnut shells fastened over the eyes. The wearer sees through a small slit in front of the pupil of the eye. The sides of each eye-box are perforated with minute holes, in order that the wearer may get a side view of objects. These "snow spectacles" are said to be very agreeable to one with weak eyes, who desires to read by lamp or gas light.

VINEGAR CANDY.—One cup white sugar, one-half cup vinegar; boil till it crisps in cold water. This makes an excellent candy and something beneficial also as it is good for colds. If the vinegar be very strong, take a little less of it and some water; but for use the strength of the vinegar never hurts. When done pour out on butter plates, and either mark off in squares an inch or two wide as it cools, or else, when it is cool enough to handle, draw it until it is nice and white, then cut it into sticks.

Since the year 1868 the floors of all the workshops at the looking-glass factory in Channy, have been sprinkled each day with a solution of ammonia. This simple precaution has, says the Sanitary Record, given to the workmen absolute immunity from all mercury poisoning, while some of the older employees, who had previously suffered from this affection, have since been relieved of all their symptoms.

The German washerwomen use a mixture of 2 ozs. turpentine and 1 oz. spirits of ammonia well mixed together. This is put into a bucket of warm water, in which ½ lb. soap has been dissolved. The clothes are immersed for twenty-four hours and then washed. The cleansing is said to be greatly quickened, and two or three rinsings in cold water remove the turpentine smell.

A new vegetable fiber has been discovered in California. It is obtained from a weed that grows in low, moist earth, and makes a height of three to six feet. It is exceedingly strong and the Indians have used it for bow strings.

BAPTIST CHURCH REQUISITES.

Articles and Covenant \$1.00 per 100. Church Record and Register \$2.50 each. Alphabetical List of Members 40 cts. each. Letters of Dismission 50 cts. per quire. Psalms, in all varieties, from 75 cts. Selection of Hymns &c., 12 cts., or \$10.00 per 100. Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE, 69 & 71 GRANVILLE ST., HALIFAX, April 16.

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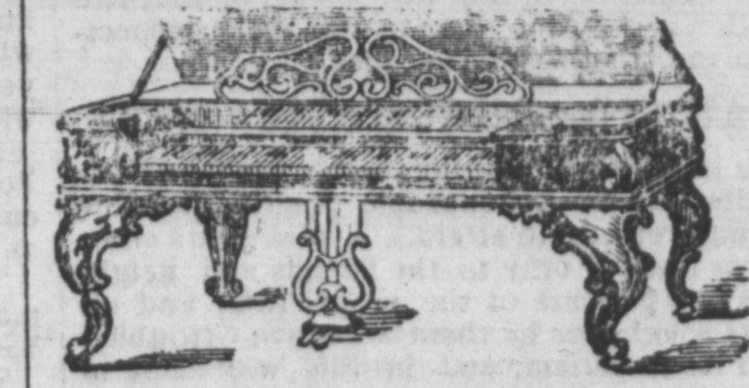
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