

The Christian Messenger.

HALIFAX, N. S., JUNE 9, 1875.

ALMANAC FOR JUNE.

Table with columns for Day, SUN., MOON., High Tides, and Low Tides. It lists dates from June 1st to June 30th with corresponding astronomical data.

THE TIDES.—The column of the Moon's Position 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 in the morning.

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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.

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 pain in my system which had been prevailing upon my system for over a year, and would recommend it to all who are suffering from like complaints.

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.

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.

Agriculture.

HEALTH OF FARMERS.—The Massachusetts Board of Health is out with its fourth annual report, in which is to be found an interesting paper on the longevity of the farmer's life. It says that evidence collected from country physicians throughout the state for the last twenty-eight years, shows the average length of the life of a farmer, in that State, is 65 1/2 years. This is much longer than that of any other class of citizens. The class most nearly approaching farmers, viz., out-door mechanics, live only 52 1/2 years on an average.

The most unanimous belief of those physicians and the compiler of the paper is, that farmers might live much longer than they do by exercising more care in choosing, cooking and eating their food, in avoiding overwork and exposure to change of weather, and the use of foul drinking water. Their food consists too much of pork, pies, and saleratus bread and cakes. The cookery is bad, and meals are eaten too quickly for good digestion, when work hurries. More vegetables and fruit should be eaten, and more rest taken. More cleanliness as regards out-houses, sinks and back yards, should be observed, and more care taken to avoid leaving cesspools, sinks, etc., nearer to a well than thirty feet at least.

EFFECT OF MANURE ON DRAINAGE.—Lawes and Gilbert, after a very dry time, as soon as heavy rains commence, observed that no water ran from the tile on manured land, while on unmanured soil it ran constantly. This proved that the water was absorbed by capillary absorption on the manured land, while it passed directly through the drains in the unmanured land.

AN ENGLISH FARMER who has "used wheat as food for his horses for some time," tells the Mark Lane Express that he allows "ninety pounds per horse for the week, soaked in a cistern for forty-eight hours, in cold water. The water is then run off, and the grain allowed to remain twenty-four hours to create fermentation."

A society formed at Halle for feeding wild birds in Winter has twenty-two stations in the neighborhood of the town, were during the late severe weather many hundreds of birds received three meals a day. It is believed that the expense will be repaid a hundredfold by the destruction of noxious insects.

CHOLERA AMONG FOWLS.—"This disease is very easily treated, as follows for 50 fowls—Take two quarts of wheat bran and stir into a pot of boiling water; add one teaspoonful of saleratus, one ditto of black pepper; stir it all together and place it where all the fowls can get some—the hotter the better.

An English agriculturist experimented on three rows of Swedish turnips. No 1 was manured with well rotted stable manure; No 2 with green manure; No 3 with coal ashes. All through the season No 3 presented the most luxurious appearance. When harvested, No 1 yielded 78 pounds, No 2, 88 pounds, and No 3, 121 pounds.

The seed of the common locust tree will not only stand the temperature of boiling water, but will always fail to grow unless boiled for eight or ten minutes.

A train of one hundred waggons with six hundred persons, a herd of milk cows and the usual assortment of babies and yellow dogs, bound for California, left Kansas City a few days ago.

A traveled correspondent tells the Mirror and Farmer that those who protest most loudly that farming doesn't pay, are those who grow bushes on their best land.

A Vermont sheep breeder recommends a tablespoonful of sulphur to two quarts of salt as a feed to sheep that will exterminate ticks. Feed this twice a month.

One tablespoonful of strong, pure rennet is sufficient to set fifteen quarts of milk. WHY CUCUMBERS ARE BITTER.—One of the causes gardeners give for cucumbers being bitter is that such are grown too slowly; that in order to secure sweetness and crispness, they should be forced to grow as fast as possible.

Science.

THE TALLEST CHIMNEY IN THE WORLD.—The tallest chimney in the world was built by Robert Corbet, of Glasgow, for Joseph Townsend, of Crawford Street Chemical Works. The total height from foundation to top of coping is 458 feet and from ground line to summit, 454 feet; the outside diameter at foundation being 50 feet, at ground surface 32 feet, and top of coping 12 feet 8 inches. The number of bricks used in the erection were as follows: Common bricks in chimney, 1,142,532; composition and fire bricks for inside cone, 157,468; common bricks for flues, etc., 100,000; total, 1,400,000. The weight of bricks at 5 tons per 1,000 is equal to 7,000 tons. When within 5 feet of completion, the chimney was struck by a gale from the northeast, which caused it to sway 7 feet 9 inches off the perpendicular, and it stood several feet less in height than before it swayed. To bring back the shaft to its true vertical position, "sawing back" had to be resorted to, which was performed by Mr. Townsend's own men, ten working in relays, four at a time sawing, and two pouring water on the saws. The work was done from the inside on the original scaffolding, which had not been removed. Holes were first punched through the sides to admit the saws, which were wrought alternately in each direction at the same joint on the side the opposite inclination, so that the chimney was brought back in a slightly oscillating manner. This was done at twelve different heights, and the men discovered when they were gaining by the saws getting tightened by the superincumbent weight.

THE TRUE YEAR.—At the recent session of the National Academy of Sciences, Mr. Justice Bradley, of the United States Supreme Court, submitted a communication on "a project for changing the civil year" in which it is proposed to make the civil year correspond with the solar year. For the present century the first day of the year would fall on December 21, and the sun would arrive at the cardinal points on the first days of January, April, July, and October respectively.

ENGLISH AGRICULTURAL MACHINERY AT THE CENTENNIAL.—The English manufacturers of agricultural machinery do not propose to exhibit their products at the Centennial. The reason is that the duties on the importation of foreign devices of this character is from 30 to 40 per cent, and hence is practically prohibitory. As there is no paying trade for the goods in this country, manifestly the producers have no incentive to exhibit, and hence they decline to incur the expense to make a show "to please and instruct others," which will be of no benefit, as they think, to them.—Scientific American.

A BRILLIANT WHITEWASH.—Slake clean lumps of well-burned white lime, to five gallons of the wash thus made add a quarter of a pound of whiting, or of burnt alum pulverized, half a pound of loaf sugar, one quart and a half of rice flour made into a thin and well boiled paste, and half a pound of white glue dissolved and boiled in water. Apply cold within doors, but warm outside. This will last many years.

PRESERVING WOOD.—The following method is used in Germany for the preservation of wood: Mix 40 parts chalk, 50 resin, 4 linseed oil, melting them together in an iron pot; then add one part of native oxide of copper and afterward 1 part of sulphuric acid. Apply with a brush. When dry, this varnish is as hard as stone.

English connoisseurs offered several thousand pounds for the statue of Venus recently discovered at Rome, but the authorities refused to part with it on any terms.

A telegraph pole ninety-three feet long and two feet in diameter, a California product, has been raised in Fulton Street, New York.

For making architectural ornaments in relief, a molding composition is formed of chalk, glue, and paper paste. Even statues have been made of this material.

Chairs should not be covered with silk, but sat-in.

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. Psalmists, 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 15.

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