

The Christian Messenger.

HALIFAX, N. S., JUNE 2, 1875.

ALMANAC FOR JUNE

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

Table with columns: Day, SUN. Rise, Sets, MOON. Rise, Sets, High Tides. Rows 1-30.

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's, 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.

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HATON & FRASER.

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. ESTERMED 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.

Agriculture.

CARE OF COWS.—Few farmers, judging by the mode of treatment of their stock realize the importance of details in the care of dairy cows. Talk about the absolute regularity of feeding, about the importance of cleanliness and daily carding of their cows, about kindness and gentleness and quiet, they may believe it, but it doesn't appear to change their methods. They appear to regard it as a doctrine applicable to others, but fail to see how it applies to their case.

We hold that during the winter months, when cows are confined to the barn, and wholly under our control, we ought to make their comfort and their general well-being a special study, and to do whatever can in any way contribute to it, not merely as a matter of duty, but as one affecting our own pecuniary interests. A daily carding is in itself no great matter, perhaps, but it promotes the health and the comfort of the animal. As to harshness of treatment, abuse, loud talking or boisterous noises, while among the cows in milk, there can be no doubt they cause a direct loss to the owner, a loss in dollars and cents, which can, or ought to be, avoided. It ought to be more generally known than it is, that anything that unduly excites a cow, and makes her nervous, frightened or worried, reduces the cream on her milk to an extent that can hardly be credited without a direct trial and careful observation. A cow whose uniform percentage of cream was 18, reduced that percentage to 6 in less than twelve hours, from no change of food, but simply from excitement and fright. All excitement of any kind will reduce the cream in the milk of a cow. The abuse of a brutal milker, reduced the cream on a cow's milk fully one-half by actual trial. We can not abuse our cows, or allow them to be hurried, by dogs or boys, in driving to or from the pasture, without suffering a direct pecuniary loss in the quantity of their milk. Ever farmer ought to remember this, and insist upon uniform kind treatment of cows by his hired men.—Old Farmer's Almanac.

TO PROPAGATE CARNATIONS.—Select the cutting you desire to propagate from the parent plant, and cut it through with a sharp knife just below the third pair of leaves from the top of the cutting; this done, cut off half the length of every leaf on the cutting except the two lower ones, which are to be removed altogether. Now fill a small pot with one-half soil and one-half sand; make it smooth, and insert your cutting in the centre from one to one-and-a-half inches in depth. Water well, place a hand-glass or tumbler over it, and set it aside. This glass will gather moisture, and should be removed every day and wiped dry, and again replaced. You can, by this means, start your cuttings in a room of your house with as much ease, and with as much certainty of their living, as within a greenhouse. Cuttings thus prepared may be readily rooted in a window, or in a room, from May to October, without failure. I find a very good way to start cuttings to be in a rain-box of sand, filling the same with the cuttings half an inch apart, and keeping them well watered.

LAYERING IS NOT so certain, and requires more care than the above method; nevertheless, it is well to know how you are to do it. With a sharp knife you will remove the leaves from the second or third joint of the plant, without separating the same from the parent stock; having done this, carefully cut a slit close under and half through the joint, being very careful not to separate the shoot from the main stem. Have ready your small pot sunk in the ground, in the soil which you cover your layer with. You will now peg the layer down with a small twig hook, and your work is done. Shade these from the sun while rooting, and when rooted sever from the parent plant, and you have an independent plant, thrifty and reliable.—Forest and Stream.

WHITE ROLLS should be mixed and set to rise the evening before, and made into rolls half an hour before baking in the morning. A pint of warm milk fresh from the cow, with salt, and half a cup of yeast stirred up quite stiff with flour, and molded until it springs under the touch of the fingers, makes a most delicious, light, short roll.—American Agriculturist.

Western Indians predict no more grasshoppers for six years.

Science.

ROOM DISINFECTANTS.—The spring is near at hand, when the air will be charged with gases from decomposed animal and vegetable matter. These will find their ways into dwellings—indeed they will generate there; they are with us constantly, unless we have the means to arrest them, which happily, we have, but which, unhappily, we avail ourselves of too little. The greatest scrubbing and care will not prevent the accumulation of some foul, invisible material in the air, however well the rooms may be ventilated. The human body itself is a source of noxious emanations. Something in addition to cleansing has to be resorted to—disinfectants. Now, that their virtue has become known, they are considered indispensable in house-keeping. They are most efficient means. There are two species of disinfectants, the one preventing decomposition, the other neutralizing its product. Of the former are copperas, (-sulphate of iron), permanganate of potassa, and best of all and cheapest, and always at hand, common salt. This, or any of these, put into spittoons, sewers, and other places where decomposition threatens, will arrest the formation of gases. But the air is not affected by these, or to only a slight extent. This it wants the other class, which are volatile, to do. These are chlorine, in the form of chloride of lime, iodine, carbolic acid, and others. Carbolic acid will destroy the germs of putrefaction, and is the enemy of infection. Chlorine acts both as an antiseptic and a purifier of the air, the latter by forming chemical changes in the injurious compounds. Its odor is somewhat objectionable, as is that also of carbolic acid; iodine less so. A little kept anywhere exposed in a room will be sufficient. The two classes both need to be used. They are cheap, and will purify and keep pure the rooms, made also more pleasant by ventilation—small means to effect important results.—F. G. in the Country Gentleman.

DEADLY BALLOONING.—The names of Croce-Spinelli and Sivel, two of the most daring and successful of French aeronauts, are now to be added to the long list of those who have laid down their lives in the cause of Science. In company with M. Gaston Tissandier, they attempted to ascend to a higher altitude than had ever before been reached. At 29,000 feet elevation, all three men became unconscious. The balloon soared higher and higher and then descended. Tissandier regained his senses on reaching respirable air, to find his companions dead from suffocation. This voyage which has resulted so disastrously was the second of two recently projected by the French Society of Aerial Navigation. During the first, which was safely accomplished, the balloon was kept aloft for twenty-three hours, and a number of interesting observations of natural phenomena of the atmosphere were obtained. The balloon Zenith started on its voyage from Paris at 1 P. M., on April 15. It shot directly upward, reaching the height of 21,000 feet in a very few minutes. At this elevation Tissandier says: "My companions were pale; I felt weak but inhaled a little of the gas, which somewhat revived me. We still ascend." In response to Sivel's request, he acquiesces in throwing out ballast, and three of the nine eighty-pound bags of sand were emptied. "All at once," he continues, "I found myself so feeble that I could not even turn my head. I wanted to exclaim 'we are at 8000 yards,' but my tongue seemed paralyzed."

It is sad to chronicle that two such men as the deceased lost their lives fruitlessly, but we see no other conclusion. Their death does not fix the limit of human existence in the heights of the atmosphere, and the most that can be gained will be the indication of the test barometers and the knowledge that the aeronauts died before the marking shown was made.

LES MONDES, in commenting on this unfortunate casualty, points out that the way of avoiding similar disasters in future is to render the means of respiration completely automatic. Either the aeronauts should have been provided with dresses similar to those of divers, or, as suggested by M. Toselli, the ear of the balloon should be a metallic cylinder, perfectly airtight, into which, or into the dresses, a small pump, easily worked by hand, should force air until a constant pressure is obtained, sufficient to maintain life.

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