## The Christian Messenger.

HALIFAX, N. S., FEBRUARY 3, 1875.

ALMANAC FOR FEBRUARY.

New Moon, Feb. 6th, 3h. 40m. morning. First Quarter, "13th, 1h. 6m. morning. Full Moon, "20th, 3h. 47m. morning, Last Quarter, "28th, 5h, 37m. morning.

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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, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland, 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 min-

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 .- Subtrace the time of the sun's setting from hop. and to the remainder add the time of rising n. x. .u brning.

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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,

HALIPAX, 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

GEO. L. FELLOWS.

St. Johns, 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.

from like complaints.

## 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,

Paithfully Yours, DR. T. F. BURT, William Street, New York.

### Science.

How to CLEAR SOAPSUDS .- It is well known that a little alum dissolved ly clear, pure and devoid of smell. | yield any crop at all, because the eleoriginally been.

COOKING OATMEAL. - One reason why oatmeal is not more generally used as food is that, in the way in which it is usually cooked, it requires constant stirring, which takes a good deal of time and attention. If, after the porridge is mixed, that is, as soon as the oatmeal is stirred into the boiling water, the cover is put on and the tin saucepan containing it placed in another pot of boiling water on the stove, and the water let boil, good oatmeal porridge will be made, without the least danger of its being scorched.

THE LOBSTER. - It is well known that the lobster sheds its shell,-the shell opening along the length of the back, while the tail, legs and claws are drawn out from the shell. The lobster pines considerably before the process, still it has long been a puzzle how it could draw the flesh of its long claws through the narrow passage near the brink. Prof. Wheildon has discovered that in that portion of the claw near the body a part of the shell decays and drops out, making sufficient room for the passage of the claw. The new shell of the lobster is at first a mere skin formed under the shell, resembling thin India rubber cloth.

A DOMESTIC BAROMETER. - One who has tried it says that a cup of coffee is a sure barometer if you allow the sugar to drop to the bottom of the cup and watch the bubbles arise without disturbing the coffee. If the bubbles collect in the middle the weather will be fine; if they adhere to the cup, forming a ring, it will be rainy; and if the bubbles separate, without assuming any fixed position, changeable weather may be expected.

TOOTH WASH .- Two ounces tincture of myrrh, one do. tincture of arnica, half dram of tannin, one ounce of water; mix and put in a bottle. Pour on a tooth-brush, and use freely at least once a day. This will make the gums healthy, and is one of the best washes for the teeth that can be made. Brush with good soap once in two or three days.

PAPER PILLOWS - Excellent pillows may be made of old letters-the stiffer the paper, the better. Newspapers will not do. The paper should be cut in strips and rolled around an ivory knitting-needle; it is then almost like a spring, and makes a much better cushion than the torn paper, being more elastic.

As an inducement to provide safety precautions, a reward of \$2,000 is to be given to that colliery owner in Belgium in whose pits the smallest number of workmen shall have been killed by explosions in the ten years ending in 1883.

A small piece of paper or linen just moistened with turpentine, and put into the ward-robe or drawers for a single day, two or three times a year, is a sufficient preservative against moths.

Warts may be removed from the hands by the application of hartshorn. The use of it will not cause any pain unless it comes in contact with a cut or bruise. A cure is usually effected in about three weeks.

"I am very happy," said a French mother, "I have a son-in-law whom | with half a turnip, to make the cakes everybody discusses and a daughter come off nicely. This is better than whom no one talks about."

# Agriculture.

A FARM EXPERIMENT .- The best chemists agree that a chemical analysis is very effective in clearing muddy of the soil of a field is not a sure and water; but a short time since some reliable guide in determining the state alum was applied in a manner which of fertility of the soil or its fitness to from its novelty and its valuable results produce a crop of any specified kind, is worthy of notice. In a place where whereas the farmer, however unskilled water is scarce at present, a little alum | in science, has at command, in carewas dissolved in hot water, and thrown | fully conducted experiments, a certain into a tub of thick soapsuds. In a indication of the wants of the soil. moment the soap curdled, and, accom- An analysis might show the presence panied by the muddy particles, sank to of an abundance of the elements of the bottom, leaving the water perfect- fertility in a soil which would fail to This water was found very useful for ments were so locked up in insoluble washing clothing again, when poured compounds that vegetation could reoff the sediment. A similar result was | ceive no benefit from them. On the attained in a quick manner by filling a other hand the farmer may readily find boiler with soapsuds, placing it on the out for himself what the chemists canfire, and throwing a bit of alum into it. | not determine for him. If farmers When the suds boiled the scum went would experiment, determine the reover and left the water clear, soft, and sults with accuracy, and give their disas useful for washing clothes as it had coveries to the public, the agriculture of the country would be greatly benefited. In this view I have made and now report the following experiment, hoping that other readers will do like-

Last spring I planted potatoes in a field which bore a small crop of beans last year. The soil is gravelly loam, and has, I presume, never received a load of manure, while year after year the elements of fertility, particularly the posphates, have been withdrawn in the shape of beef, butter, cheese, and grain. The soil was of uniform quality, and, as shown by the bean crop of last year in a uniform condition of unproductiveness. At planting time it was in a fine condition of tilth. Through the field I took a strip wide enough for thirty-six rows for experiment. Twelve rows I planted without fertilizers, on twelve rows I put a small handful of ashes in each hill, and twelve rows I manured in the hill with superphosphate, at the rate of 200 pounds per acre. The unmanured portion yielded at rate of 641 bushels | both at per acre; that treated with ashes, 77 bushels; and that with superphosphate, 147 1-6 bushels. Ashes increased the yield 124, superphosphate 82% bushels. The cost of the superphosphate was \$5, the value of the surplus crop at market price \$413 net gain \$351. I suppose the benefit to the next year's ercp will pay for the labour of applying the fertilizer, and handing the increase of crop. I think this experiment shows that superphosphate may be profitably used upon the field .- Cor. Rural Home.

BONE DUST .- We wish to notice the subject of Bone Dust as a manure. The importance of promoting its more general use has for some years engaged the attention of the Central Board, but the measure of success attained in securing the co-operation of societies and farmers has not been commensurate | Do., with the efforts that have been made. We wish to enquire into the causes of this, and to place the whole subject fairly before our readers. In order to do so satisfactorily it is necessary that we should know the results that have been obtained, whether satisfactory or otherwise, by those who have used Bones in the Provinces; and we shall therefore feel much obliged for any intormation of this sort with which Correspondents may favour us. If Bones cannot be used as profitably in Nova Scotia as in other countries, it is time to know the reason why .- Journal of Agriculture.

CATS FOR RATS.—The best remedy we have tried for rats, is cats. I had New Albany-Daniel Whitman. rather keep half a dozen cats than that number of rats. Once we thought we could not endure a cat on the premises, but when the rats ran everywherethrough the buildings, into the garden, chicken and gosling coops, and would face a person with such an insulting look-we caved in. We kept three (one is eight years old), the year through; at times there are more. What we cannot give away we allow a free ride when old enough to take care of themselves. A cat should not be fed any meat; give plenty of milk, some potatoes, crumbs of bread, etc. Rats, for the past ten years, have been few and far between; the cats stand as sentinels, and take them soon after making their appearance on the farm. - Cor. New York Tribune.

Water window plants with tepid water, and wash the leaves often.

Rub the buckwheat cake griddle

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