

The Messenger Almanac.

MARCH. Last Quarter, March 3rd, 6h. 52m. A. New Moon, " 10th, 8h. 33m. A. First Quarter, " 18th, 8h. 22m. A. Full Moon, " 26th, 9h. 9m. M.

Table with columns for Day, SUN. Rise, Sets, MOON. Rise, Sets, and High Tide at Halifax. Rows list days from 1M to 31W.

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, 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 12 hours and to the remainder add the time of rising next morning.

BAPTIST CHURCH REQUISITES.

- Articles and Covenant \$1.00 per 100. Church Record and Register \$2. and \$3 each. Alphabetical List of Members 40 cents each.

SAVE THE NATION!

For it is sadly too true that thousands of children are STARVED TO DEATH every year by improper or insufficient food. Remember,

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Is all and a great deal more than we have claimed for it. It is simply a HIGHLY NUTRITIOUS and easily assimilated FOOD, grateful to the most delicate and irritable stomach, and especially adapted for the INFANT and GROWING CHILD.

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AGRICULTURE.

Would buckwheat be a suitable crop to plough in as a manure?

It will not be nearly so good as peas ploughed under when in blossom. Buckwheat takes a long time to rot, consequently the land is too loose for wheat when buckwheat has been turned down.—Globe.

Many persons know but some do not, that a pretty and easily grown window plant may be obtained by soaking a round piece of coarse sponge in warm water until it is thoroughly expanded. After squeezing it about half dry, place in the openings millet, red clover, and barley grass seeds, rice, and oats. Hang the sponge in a window where the sun shines a part of the day and sprinkle it lightly with water every morning for a week. Soon tender leaves will shoot out, and growing rapidly, will form a drooping mass of living green. If regularly sprinkled, it will later be dotted with the blossoms of the clover.

In nearly all soils ashes are beneficial. Their action, is twofold: they supply to plants inorganic constituents which they require, and they act chemically as solvents upon other salt in the soil, or they neutralize acids, etc. They are more beneficial on sandy and gravelly lands than on clay. For plants that contain a large percentage of potash and phosphoric acid, as carrots, turnips, potatoes, and cabbages, ashes are an essential manure.

THE WHEAT HARVEST.—England is not the only country which has suffered from a deficiency in the harvest of 1879. The total yield for all the world was 1,953,475,000 bushels, less than the average by 377,279,150. Our American kinsmen on either side of the Saint Lawrence, both in the Dominion and in the Republic, report an average yield; Australia yields more than an average; all other countries return less than an average yield. There is a painful interest in the details. We give the yield of some of the principal wheat fields of Europe.

Table with columns for Country, Average, and 1879. Rows include France, Russia, Germany, and Great Britain.

ABOUT RATS.—Farmers may derive some profit from the following:—

"We clean our premises of these detestable vermin by making whitewash yellow with copperas, and covering the stones and rafters in the cellars with it. In every crevice in which a rat may tread we put the crystals of the copperas, and scatter the same in the corners of the floor. The result was a perfect stampede of rats and mice. Since that time not a footfall of either rats or mice has been heard about the house. Every spring a coat of the yellow wash is given the cellar, as a purifier, as a rat exterminator, and no typhoid, dysentery, or fever attacks the family. Many persons deliberately attract all the rats in the neighborhood by leaving fruits and vegetables uncovered in the cellar, and sometimes even the soap is left open for their regalement. Cover up everything eatable in the cellar and pantry, and you will soon starve them out. These precautions, joined to the service of a good cat, will prove as good a rat exterminator as the chemist can provide. We never allow rats to be poisoned in our dwellings, they are so liable to die between the walls and produce much annoyance."

A "jibing" horse in Australia is cured, the English Live Stock Journal says, by hitching on a couple of good, steady animals and pulling him backward, for some considerable distance.

The culture of frogs is quite an important industry in Illinois, where one man has over an acre and a quarter of land, on which he is breeding 200,000 dozen of frogs of all ages for the Cincinnati and Chicago markets.

If potting soil is placed for a day or two in the henyard, every particle of it is dug over, and all grubs and eggs of insects picked out.

If you cannot find a place to fit you, strive to fit the place in which you find yourself.

SCIENCE.

PHOTOGRAPHY UNDER WATER.—A remarkable discovery has been made by Mr. Wm. Morris, photographer, of Gourrock, by which he can photograph underneath the water at a depth of ten fathoms. Two of the negatives he has secured are remarkably distinct, but the others are rather dim owing to defects in the apparatus, but which he will have improved. The camera is enclosed in a water-tight glass case suspended by the centre and enclosed in a cover, which is drawn off after the camera—which is fixed on a loaded tripod—has reached its position. One of the views, taken in the bay fifty yards west of the yacht Selene shows a sandy bottom, with a large number of large boulders covered with sea-weed, and an old anchor; and, in the shade, three mooring cables belonging to small yachts close at hand. When the weather calms down and the light becomes stronger, he intends to carry out his investigation with improved apparatus, when he expects to achieve still greater results.

The fact that a steam engine is being erected in a flour-mill at Jerusalem is a startling announcement, but it is an evidence of the progress of civilization. The "Infidels" who have thus introduced modern inventions to the "Holy" city are a firm of Wurtemberg colonists, who, with the characteristic enterprise of the Teutonic race, are doing all the Oriental powers will let them to make the historic and Old-World city march with the times.

A bit of isinglass dissolved in gin, or boiled in spirits of wine, will make strong cement for broken china, and seashells.

Paint splashed upon the window glass can be easily removed by a strong solution of soda.

To take ink out of linen, dip the ink spot in pure melted tallow, then wash out the tallow and the ink will come out with it. This is said to be unfailing.

Lime pulverized, sifted through coarse muslin, and stirred up tolerably thick in white of eggs, makes a strong cement for glass and china. Plaster of Paris is still better, particularly for mending broken images of the same material. It should be stirred up by the spoonful, as it is wanted.

HEALTH HINTS.

BORAX AND NITRATE OF POTASH FOR HOARSENESS.—These two salts have been employed with advantage in cases of hoarseness and aphonia occurring from the action of cold. The remedy is recommended to singers and orators whose voices suddenly become lost, but which by these means can be recovered almost instantly. A little piece of borax, the size of a pea, is to be dissolved in the mouth ten minutes before singing or speaking; the remedy provokes an abundant secretion of saliva, which moistens the mouth and throat. The local action of the borax should be aided by an equal dose of nitrate of potassium, when taken in warm solution before going to bed.

CHAPPED HANDS.—If any one is troubled with chapped hands, let me recommend diluted vinegar as a cure. Take equal parts of vinegar and water, and always after washing the hands with soap wet them with this mixture. Soap cuts the oils that naturally moistens the skin, leaving it dry and hard, and causing it soon to crack and become sore. The diluted vinegar neutralizes the alkali of the soap and stops its further action. If, after using this, the hands are wet with a mixture of equal parts of glycerine and water, and then dried by "dabbing" (not rubbing) with a soft cloth, the skin soon becomes supple, smooth, and soft. This treatment is simple, safe, and sure.

SODA FOR BURNS.—All kinds of burns, including scalds and sunburns, are almost immediately relieved by the application of a solution of soda to the burnt surface. It must be remembered that dry soda will not do unless it is surrounded with a cloth moist enough to dissolve it. This method of sprinkling it on and covering it with a wet cloth is often the very best. But it is sufficient to wash the wound repeatedly with a strong solution.

Good thoughts, like rose leaves, give out a sweet smell if laid up in the jar of memory.

HALL'S VEGETABLE SICILIAN HAIR RENEWER. This standard article is compounded with the greatest care. Its effects are as wonderful and as satisfactory as ever. It restores gray or faded hair to its youthful color. It removes all eruptions, itching and dandruff. It gives the head a cooling, soothing sensation of great comfort, and the scalp by its use becomes white and clean. By its tonic properties it restores the capillary glands to their normal vigor, preventing baldness, and making the hair grow thick and strong. As a dressing, nothing has been found so effectual or desirable. A. A. Hayes, M.D., State Assayer of Massachusetts, says, "The constituents are pure, and carefully selected for excellent quality; and I consider it the BEST PREPARATION for its intended purposes." Price, One Dollar.

Buckingham's Dye FOR THE WHISKERS. This elegant preparation may be relied on to change the color of the beard from gray or any other undesirable shade, to brown or black, at discretion. It is easily applied, being in one preparation, and quickly and effectually produces a permanent color, which will neither rub nor wash off. Manufactured by R. P. HALL & CO., NASHUA, N.H. Sold by all Druggists, and Dealers in Medicines. BROWN & WEBB, Halifax, Dec. 11. Wholesale Agents,

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These Pianos were not got up for exhibition, but were our ordinary manufacture. We invite inspection of our instruments; all first class and warranted to give satisfaction. THE PRICES have been reduced to suit the times and will be found to compare favorably with those of any Bankrupt stock. Piano-Fortes, Cabinet and Church Organs Tuned and repaired. Nov. 5.

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INTERCOLONIAL RAILWAY.

1879 WINTER ARRANGEMENT 1879

TRAINS leave Halifax daily (Sunday excepted) as follows:— (Halifax time.)

At 8.30 a. m.—Express for St. John, Pictou, and intermediate places. At 1.16 p. m.—Express for Quebec and intermediate places. At 5.30 p. m.—Accommodation for Truro. WILL ARRIVE:— At 9.16 a. m.—Accommodation from Truro. At 1.56 p. m.—Express from Quebec and from St. John. At 8.30 p. m.—Express from St. John, and Pictou. Dec. 3, 1879.

WINDSOR & ANNAPOLIS Railway.

Winter Arrangement, Commencing 4th Dec., 1879.

Table with columns for GOING WEST, Miles, and various train times. Rows include Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, and Annapolis.

GOING EAST.

Table with columns for Miles, and various train times. Rows include St. John, Annapolis, Middleton, Berwick, Kentville, Wolfville, Windsor, and Halifax.

Steamer "Scudd" leaves St. John every Monday, Wednesday and Saturday for Annapolis, and returns the same day on arrival of train.

HALIFAX and CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a. m., and New Glasgow at 1.45 p. m. Arrive at New Glasgow at 11.30 a. m., and at Antigonish at 4.15 p. m.