

The Messenger Almanac.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Includes dates for First Quarter, Full Moon, Last Quarter, and New Moon.

THE TIDES.—The column of the Moon's Southings gives the time of high water at Pictou, 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.

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SCIENCE.

FOOD FOR THE BRAIN.—A correspondent of the New-York Times writing from the barren little island of San Pedro de Coche, a dependency of Venezuela, says that the people there live mainly upon fish. But, he adds, "I will never again believe that fish develops brain, for here is a population which has for generations fed almost exclusively upon fish, and people more ignorant, stupid, lazy, unenterprising and simple I have never encountered."

It is probably not generally known that the great pyramid of Cheops, in Egypt, is not the largest structure of the kind in the world. The pyramid of Cheops only covers fourteen acres, while the pyramid of Pueblo, Mexico, covers forty acres of ground, and was originally 600 feet high. It is estimated to have been built at least 7000 years ago. Sun-dried brick is the material of which it is made.

The cow has four stomachs. First, the paunch, or rumen, into which the food goes when first gathered. Then the second, the honey comb bag or reticulum, which is rather a prolongation of the rumen than a second stomach. The third stomach is called the manifold, or omasum. The office of all these three stomachs is to macerate, triturate, and partly dissolve the food. From them the food is passed into the fourth or digesting stomach, which is called the rent or abomasum. Ruminant consists in returning the food from the two first stomachs to the mouth for thorough mastication. When the food has been chewed over, it is swallowed again and passes by the openings leading into the first and second stomachs into the third. A little of the ruminated food may pass into the first and second stomachs on the way down, but when it does, it is returned to the mouth and masticated again.

A varnish of cement, which goes by the name of Chinese varnish, and rendered cardboard or thick paper as hard and horny as papier mache, is easily prepared from blood, lime and alum. Three parts of fresh blood, well beaten up to prevent the formation of fibre, if mixed with four parts of slacked lime and a little alum, the thick-flowing mixture that results being at once ready for application to paper or cardboard.

To make a white star in a horse's forehead, form a lump of dough into the size and shape of the star you wish to make; put it in the oven and when thoroughly hot, take it out and immediately press it into the hairs on to the forehead, and let it remain till the hairs fall off, when white hairs will be likely to appear in the place of those removed.

AGRICULTURE.

Gardening Hints for the Month.

Sow beets thickly in the row, as the thinnings make most delicious "greens;" use the Early Turnip for early, and Long Blood, or any of the later sorts for later "greens."

Remember, in sowing onions or any slow germinating sort, to sow a few radish seed with them. The radish comes up quickly to show where the rows are and where to hoe, and ate out of the way before beets, &c., get much size.

It is a waste of ground to use it only for late beets, onions, &c., as rows of lettuce and radish can be sowed half way between and off out of the way before the later stuff will require the ground.

If ground is scarce, peas can be sowed half way between potatoes, cucumbers, &c., and be out of the way before these come on. Winter radish can be sown on ground where early radishes or lettuce comes off, as also turnips.

Clean up the asparagus bed, and fork over the surface well with a fork or spade; scatter on a quantity of coarse salt—say a bushel to the square rod, or pour on the refuse brine from the pork and beef barrels.

Clean up and dig about the rhubarb or pie plant, and if you want long tender stalks, make some heavy plank frames a foot and a half square and a foot high, and fill with rich leaf or wood mould, or well rotted manure.

As soon as the ground settles, and before the weeds start, clean out the strawberry bed and mulch well with clean straw or hay.

If you have not done it before, put some boards up edgewise, forming a frame 6 by 6 or 6 by 12; fill half full of fresh manure and pack down well; cover

with two inches of good rich loam, and sow thickly in rows two inches apart, onions, beets, parsnips, lettuce, cabbage, etc., and transplant to the open ground next month. It will be no more work to transplant it than the first job of weeding and cleaning will be if sown in the garden bed and, besides, you get a much longer growth.

Have peas sown immediately and plant out early potatoes. Sow peas in succession, every two weeks, up to June 1st, and thus have a succession of this most delicious dish. Sow celery in a warm soil, partly shaded.

If you have not any strawberries, raspberries, etc., be sure to plant them out this spring. 300 strawberry plants 2 doz. raspberry, 2 doz. blackberry, 6 to 12 grapes, and 2 doz. currants, will keep your table supplied continuously from the first strawberries until frost comes.

Frames two feet square, six inches high, and covered with oilcloth, are fine for covering the hills of cucumbers, melons, etc., in cold and cloudy weather. Plant out trees as soon as possible after the ground settles.

Be sure to set a few clumps of evergreen and deciduous trees here and there over your premises, but not so as to hide the view from or to the road too much.

Don't set too large trees: the larger they are the more it will mangle the roots of such to be removed. We would not care to set larger evergreens than three to four feet in height.

If the old wood is not cleaned out of those blackberry and raspberry bushes, attend to it at once, and cut back the new growth to four or five feet if not before cut back.

Get the flower-beds arranged and laid out, and if already done spade them over. Start the seeds and spring bulbs in pots and boxes in the windows or under a sash or two. A lady said to us a day or two ago, "Dahlias don't do well with us, as the frost cuts them down just as they are in bloom." A month earlier bloom can be had by putting the roots in a box of mould and keeping them in a warm room, and as they sprout to transplant to their place.

Morning Glories, and such running annuals, should certainly be started now in pots or small boxes in the window, so as to be transplanted as soon as frost is over.

Evergreen seed can be sown any time this month after being soaked in hot water and then mixed with dry sand and rubbed evenly so they can be sown without sticking together. Keep the soil well watered and shaded, especially after they sprout above ground.

If you have no asparagus bed be sure to start one this spring, by planting the roots 8 to 10 inches deep in trenches, two feet apart, and one foot apart in the trench.

Trim out the old dead wood from your rose bushes, and give them a shovelfull of well rotted compost.

Start melon, cucumber, and such running vines in this (42) latitude in inverted sods, packed close together in a hot-bed, and when nicely up, transplant, covering with boxes.

Whitewash the trees now, clear away the surface soil from around the peach-trees, and with a crooked wire and knife dig in and kill the grubs, and then throw a quart or two of ashes around the tree, if small, and if large a peck or so, (unleached ashes).—Fruit Recorder.

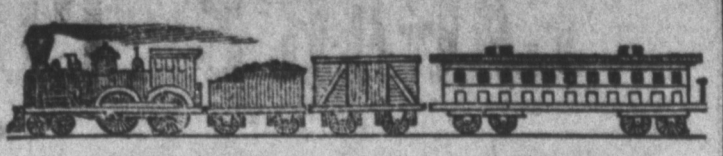
THE HOUSE.

CLEANING FROSTED GLASS GLOBES.

—For cleaning frosted lamp globes, wet a piece of cloth in kerosene and rub the glass. Use no water in cleaning lamp chimneys and the breakage of them will be almost nothing. For plain chimneys I know of nothing better than soft paper and human breath. put the paper over one end of the chimney, blow into the other, which warms and moistens the glass, and then rub with the paper. Some steam the chimney slightly, at the spout of the kettle.

PRESERVING FURS.—Some one asks:—"Would you inform me how to preserve furs from being destroyed by moths and other insects?" Put the furs away in paper or cotton bags, and do it before the end of April, at which time the moths have not yet changed from the Chrysalis state.

A lady writes, "I was troubled with quinsy every spring for 16 years, and was cured about seven years ago by the use of kerosene. I wet a piece of flannel cloth, and applied it to my throat as hot as it could be borne; this I did several times, when I noticed my throat getting sore."



INTERCOLONIAL RAILWAY.

WINTER ARRANGEMENT.

TRAINS leave Halifax daily (Sunday excepted) as follows:— (Halifax time.) At 8.30 a. m.—Express for St. John, Pictou, Quebec. At 1.15 p. m.—Accommodation for Pictou. At 5.30 p. m.—Accommodation for Truro. At 3.00 p. m.—Express for St. John and Quebec.

WILL ARRIVE:—

At 9.15 a. m.—Accommodation from Truro. At 12.55 a. m.—Express from Quebec and from St. John. At 3.00 p. m.—Accommodation from Pictou. At 8.30 p. m.—Express from St. John. Nov. 24, 1880.



Windsor and Annapolis Railway.

Spring Arrangement—Commencing Monday, April 4th, 1881.

The following is according to Railway Time. Halifax times is 15 minutes later.

Table with columns: GOING WEST, Miles, Express Mon, Wed, and Saturday only, Passengers and Freight, Daily, Pass. & Frgt. Daily. Rows include Halifax, Windsor, Wolfville, Kentville, Berwick, Middleton, Annapolis, and St. John.

Table with columns: GOING EAST, Miles, Pass. and Freight Daily, Express Mon, Wed, and Saturday only, Pass. and Freight Daily, Express Mon, Wed, and Saturday only. Rows include St. John, Annapolis, Berwick, Kentville, Wolfville, Windsor, and Halifax.

Steamer "Empress" leaves St. John at 8 a. m. every Monday, Wednesday and Saturday for Digby and Annapolis, and returns the same days, on arrival of 7.45 a. m. Express Train from Halifax.

HALIFAX AND CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a. m., and New Glasgow at 2.30 p. m. Arrives at New Glasgow at 11.00 a. m., and at Antigonish at 4.30 p. m.

Western Counties Railway.

Train leaves Yarmouth daily at 7.45 a. m., and arrives at Digby at 11.45 a. m. Leaves Digby on Monday, Wednesday, and Saturday at 4.00 p. m., and at 12.30 p. m. on Tuesday, Thursday and Friday. Arrives at Yarmouth Tuesday &c., at 4.30 p. m., and on Monday &c., at 8 p. m.

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