

The Messenger Almanac.

Table with columns for JULY, Full Moon, Last Quarter, New Moon, First Quarter, and times for SUN, MOON, and High Tide.

Table with columns for Day, SUN, MOON, and High Tide, listing times for various days of the month.

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.

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SCIENCE.

SMOKE-WASHING.—The English, says the Advertiser, have been experimenting for some time past with an invention designed to remove one of the chief nuisances of large manufacturing towns. It washes the dense black smoke of the tall chimneys; makes it so white that it does not soil a pocket-handkerchief, and obviates the necessity for chimneys higher than those of ordinary houses.

A patent has been taken out on the English invention, and a description of the process is made public. After the dense and gas-laden smoke leaves the furnace, before it enters the chimney, it passes through a flue and over a tank of water holding soda ash in solution. Paddle-wheels, with fans just touching the water, are suspended over the tank the number varying with the size of the establishment.

So pure has the smoke been made by this process that persons have breathed with safety over the top of a chimney, and a handkerchief, which becomes instantly black with soot when held in the smoke before cleansing, remains perfectly white when held in the purified smoke at the top of a chimney.

At the present stage of the invention it is costly to introduce. For a large establishment the estimated cost of the apparatus and setting it up is three thousand dollars. No use is yet made of the material which is washed from the smoke, but there is said to be reason for believing that the sulphates and sulphites of soda produced in the water and the lampblack will pay largely, if not entirely, the cost of maintaining the machinery.

CLOSING CRACKS IN CAST-IRON STOVES.—If finely pulverized clay and a little salt are mixed with an equal quantity of wood-ashes, sifted through a fine sieve, and made into a paste with water, and then filled into the cracks of a stove when the stove is cold, it will effectually stop the cracks. It makes a cement that will not pull off or break, and soon assumes, after being heated, a great degree of hardness.

What will relieve the sting of mosquito bites? Answer—A solution of carbolic acid and glycerine—fifty or sixty drops of the acid to an ounce of the glycerine.

AGRICULTURE.

An English farmer, very successful during ten years in fattening cattle and sheep, supplied a ration made as follows: Eight bushels corn soaked in ten pails of water two days, then simmer for an hour, afterwards mix with fourteen pounds of coarse cheap sugar and commingle with cut straw, hay, or other fodder.

Clover is the great renovator of the soil. Too much of it can not be grown. It makes the best hay for milk cows and young stock, and every crop, grown and fed out, benefits instead of exhausting the farm.

All lovers of flowers should remember that one blossom allowed to mature or go to seed injures the plant more than a dozen new buds. Cut your flowers, all of them, before they begin to fade. Adorn your rooms with them; put them on your table; send bouquets to your friends who have no flowers, or exchange favors with those who have. You will find that the more you cut off, the more you will have.

THE HOUSEHOLD.

Small holes in white walls can be easily closed without the aid of the mason by taking equal parts of plaster of paris and the white sand used in the family to scour with. Mix with water to a paste and apply immediately.

Celery can be kept for a week or longer by first rolling it up in brown paper, then pin it up in a towel and keep as cool as possible. Before preparing it for the table place it in a pan of cold water and let it remain for an hour. It will make it crisp and cool.

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TRAINS leave Halifax:— At 8.25 a. m. (Express) for St. John, &c. At 1.30 p. m. (Express) for Riviere du Loup, Montreal, &c. At 5.30 p. m. (Express) for St John and intermediate stations.

WILL ARRIVE:— At 8.20 p. m. (Express) from St. John Pictou, &c. At 9.15 a. m. (Express) from St. John. At 1.30 p. m. (Express) from Riviere du Loup, Montreal, &c. May 28, 1879.

SPRING HILL AND PARRSBOROUGH RAILWAY.

Connects with Intercolonial. Leaves Parrsborough at 9.30 a. m. Arrives at Spring Hill at 12.30 p. m. Leaves Spring Hill at 3.20 p. m. Arrives at Parrsborough at 6.00 p. m. May 28, 1879.

WESTERN COUNTIES RAILWAY.

1879. Arrangement, 1879.

TRAINS LEAVE HALIFAX 8.00 a. m.—(Express) Monday, Wednesday and Saturday. 8.00 a. m.—(Accommodation) Tuesdays, Thursdays and Fridays. 3.00 p. m.—(Accommodation) daily. Arrive at Windsor—9.35 a. m., 11.15 a. m. 5.40 p. m.

LEAVE WINDSOR: 8.35 a. m.—(Accommodation) daily. 1.45 p. m.—(Accommodation) Tuesdays, Thursdays & Fridays. 6.35 p. m.—(Express) Monday, Wednesday and Saturday. Arrive at Halifax 11.32 a. m. 4.45 p. m. 8.35 p. m. May 28, 1879.

WINDSOR & ANNAPOLIS Railway.

Summer Arrangement, Commencing 12th May, 1879.

Table with columns for GOING WEST, Miles, and departure/arrival times for Windsor, Wolfville, Kentville, Berwick, Wilmot, and Annapolis.

GOING EAST.

Table with columns for Miles, departure/arrival times, and days of the week for Annapolis, Wilmot, Berwick, Kentville, and Windsor.

Express Trains every Monday, Wednesday and Saturday, connect at Annapolis with Steamer for St. John. Steamer "Empress" leaves St. John every Monday, Wednesday and Saturday, at 8 a. m., for Annapolis.

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