

The Messenger Almanac.

Table with columns for Day, SUN., MOON., and High Tide. Rows list dates from 1st to 31st with corresponding moon phases and tide heights.

THE TIDES.—The column of the Moon's Position 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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HEALTH HINTS.

POULTICES.—The common practice in making poultices of mixing the linseed meal with hot water, and applying them directly to the skin, is quite wrong, because, if we do not wish to burn the patient, we must wait until a great portion of the heat has been lost. The proper method is to take a flannel bag (the size of the poultice required), to fill this with the linseed poultice as hot as it can possibly be made, and to put between this and the skin a second piece of flannel, so that there shall be at least two thicknesses of flannel between the skin and the poultice itself.

one ounce thoroughwort, one ounce of flaxseed, simmer together in one quart of water until the strength is entirely extracted; strain carefully, and add one pint of best molasses and half pound loaf sugar; simmer them carefully together, and when cold bottle tight. A few doses of one spoonful at a time will alleviate the most distressing cough of the lungs.

CURE FOR DIPHTHERIA.—We publish the following because the experiment may be safely tried, and it is worth trying. Diphtheria is becoming a dreadful scourge, and the writer of what is here said saw the working of this cure in the hands of an English physician, at a time when the disease was prevalent in an English town. Speaking of the physician's application, the writer says:

All he took with him was powder of sulphur and a quill, and with these he cured every case without exception. He put a spoonful of the flour of brimstone into a wineglass of water, and stirred it with his finger instead of a spoon, as the sulphur does not readily amalgamate with water.—When the sulphur was well mixed he gave it as a gargle, and in ten minutes the patient was out of danger!

AGRICULTURE.

The wood-yard at Providence, R. I., where fifty cents a day is paid for work, has had the good effect of thinning out the lazy and shiftless, and reducing the tramp nuisance amazingly. Where 3,169 tramps put in their appearance during the last six months of 1877, but 1,086 were heard from during the past six months of the current year.

TO FASTEN LABELS TO TIN.—Put a teaspoonful of brown sugar into a quart of paste, and it will fasten labels as securely to tin cans as to wood. House-keepers may save themselves much annoyance in the loss of labels from their fruit cans when putting up their own fruit, by remembering this.

CULTIVATION OF CELERY.—As to celery, we have had experience, and can recommend the advice of Mr. Peter Henderson, of Philadelphia. The seeds should be sown in a will-pulverized rich border, as early as the ground can be worked. In July the plants should be set out. Unless large quantities are needed it is cheaper to buy the plants, as the seedling plants are troublesome. Celery requires an abundance of manure well mixed with the soil. Make lines four feet apart, and set the plants six inches apart in these lines. Be sure

that each plant is set just to the depth of the roots, and see that the soil is well packed to the roots. Plant and water in the evening, and no more attention is necessary except to keep away the weeds until the middle of September, when the "handling" process begins. Draw the earth tightly to each side of the celery, so as to give the leaves an upward growth preparatory to blanching. By the first week in October the rows should be banked with earth, and the celery will be ready in a month for use. If it is to be put away in trenches or the cellar for winter use, all that it requires is the operation of "handling."

NUTMEGS.—Nutmegs grow on trees which look like pear trees, and are generally over twenty feet high. The flowers are very much like the lily of the valley. They are pale yellow and very fragrant. The nutmeg is the seed of the fruit, and mace is the thin covering over this seed. The fruit is about as large as a peach. When ripe, it breaks open and shows the little nut inside. The trees grow on the islands of Asia, and in tropical America. They bear fruit for seventy or eighty years, having ripe fruit upon them at all seasons. A fine tree in Jamaica has over four thousand nutmegs on it yearly. The Dutch used to have all the nutmeg trade, as they owned the Banda Islands, and conquered all the other traders, and destroyed the trees. To keep the price up, they once burned three piles of nutmegs, each of which was as large as a church. Nature did not sympathise with such meanness. The nutmeg pigeon, found in all the Indian islands, did for the world what the Dutch had determined should not be done, carried these nuts, which are their food, into all the surrounding countries, and trees grew again, and the world had the benefit.

In some parts of Algeria steam plowing has resulted in an increase of 50 per cent. in the yield of wheat.

SCIENCE.

WHAT MAKES A CAR LOAD.—This question is thus answered by the Butter, Cheese and Egg Reporter: Nominally, an American car load is 20,000 pounds. It is also 70 barrels of salt, 70 of lime, 90 of flour, 70 of whiskey, 200 sacks of flour, 6 cords soft wood, 15 or 20 head of cattle, 50 or 60 head of hogs, 80 to 100 head of sheep, 6000 feet of solid boards, 340 bushels of wheat, 400 of corn. 680 of oats, 400 of barley, 360 of flax seed, 360 of apples, 430 Irish potatoes, 300 of sweet potatoes 1000 bushels of bran, 130 to 190 barrels of eggs and 15,000 to 36,000 pounds of butter.—Iron Age.

A NATURAL ICE-HOUSE.—A natural ice-house has been discovered in the county of Antigonish, N. S., about ten miles from Cape George, containing inexhaustible quantities of ice, which remains unmelted the summer through. Its existence has been long known to the fishermen in the neighborhood, who are wont to obtain from it their summer's supply of ice. It is a little dangerous to explore, as report says that communication exists with the ocean, some 2000 yards away.—Yarmouth Tribune.

PLASTER OF PARIS.—Plaster of Paris may be made to set very quick by mixing it in warm water to which a little sulphate of potash has been added. Plaster of Paris casts, soaked in melted paraffine, may be readily cut or turned in a lathe. They may be rendered very hard and tough by soaking them in warm glue size until thoroughly saturated, and allow them to dry.

Plaster of Paris mixed with equal parts of powdered pumistone makes a fine mould for casting fusible metals; the same mixture is useful for incasing articles to be soldered or brazed. Casts of plaster of Paris may be made to imitate fine torozes by giving them two or three coats of shellac varnish, and when dry applying a coat of mastic varnish, and dusting on fine bronze powder when the mastic varnish becomes sticky.

Rat holes may be effectually stopped with broken glass and plaster of Paris. The best method of mixing plaster of Paris is to sprinkle it into the water, using rather more water than is required for the batter; when the plaster settles pour off the surplus water and stir carefully. Air bubbles are avoided in this way.—Scientific American.

The Journal of Chemistry says, the barrels in which fruit is stored should not stand on end; pile them up on one another, the ends horizontal.



INTERCOLONIAL RAILWAY.

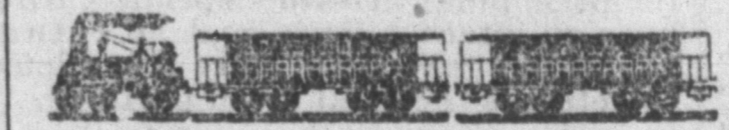
Winter Arrangement, 1879.

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.



SPRING HILL AND PARRSBOROUGH RAILWAY.

Connects with Intercolonial. Leaves Parrsborough at 9.30 a.m. Arrives at Spring Hill at 12.20 p.m. Leaves Spring Hill at 3.20 p.m. Arrives at Parrsborough at 6.00 p.m. Jan. 8, 1879.



WESTERN COUNTIES RAILWAY.

1879--Winter Arrangement--1879.

TRAINS LEAVE HALIFAX: 7.45 a.m. (Express) Mondays, Wednesdays and Saturdays. 8.00 a.m. (Passengers and Freight) Tuesdays and Fridays. 3.10 p.m. Accommodation daily. Arrive at Windsor--9.30 a.m., 10.50 a.m., 5.30 p.m.



WINDSOR & ANNAPOLIS Railway.

Winter Arrangement, Commencing 7th Nov., 1878.

Table with columns for GOING WEST and GOING EAST, listing train times and distances between stations like Windsor, Wolfville, Kentville, Wilmot, and Annapolis.

Express Trains every Monday, Wednesday and Saturday, connect at Annapolis with Steamer for St. John. Steamer "Scud" leaves St. John every Monday, Wednesday and Saturday, at 8 a.m., for Annapolis. Nov. 13

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