

The Christian Messenger.

HALIFAX, N. S., MAY 20, 1874.

ALMANAC FOR MAY.

Full Moon, May 1st, 11h. 55m. morning.
Last Quarter, " 9th, 2h. 58m. morning.
New Moon, " 15th, 6h. 2m. afternoon.
First Quarter, " 22nd, 11h. 4m. afternoon.
Full Moon, " 31st, 2h. 32m. morning.

Table with columns: Day, SUN. (Rise, Sets), MOON. (Rise, Sets), High Tide, Low Tide. Rows for 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, 30 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.



WINDSOR & ANNAPOLIS RAILWAY.

SPRING ARRANGEMENT. COMMENCING WEDNESDAY, 1st April, 1874.

Table for HALIFAX TO ST. JOHN. Columns: Miles, STATIONS, Exp. Pass. and Frgt., Pass. and Frgt. Rows for various stations.

ST. JOHN TO HALIFAX.

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N. B.—Trains Nos 1 and 6 run in connection with the 8 o'clock "Scud" on Monday, Wednesday, and Saturday only.

International Steamers leave St. John, on Monday and Thursday, at 8 a. m., for Eastport, Portland, and Boston.

European and North American Railway Trains leave St. John, at 8 a. m. for Woodstock, Fredericton, St. Stephens, Bangor, Portland, Boston, and all parts of the United States and Canada.

Hats and Caps. WE have now on hand a full Stock of all kinds, including the NEWEST STYLE, to which we invite the attention of our friends, both at Wholesale and Retail.

Our prices are as low as in any city. Silk Hats made to order by Conformateur Measure, without extra charge. EVERETT BROTHERS, 160 Granville St., May 3.

Scientific.

THE OIL DEPOSITS OF THE GREAT WEST.—About eight hundred miles west of Omaha the line of the Union Pacific Railroad crosses Green River, and the approach to the river is for a considerable distance through a cutting of from 20 to 40 feet in depth, made in rock.

The general superintendent of the road, Mr. T. E. Sickels, has caused analyses and experiments to be made with this substance, which proves to be a shale rock, rich in mineral oils, which may be produced by distillation in abundant quantities, say thirty-five gallons to the ton of rock, at the cost of a few cents only per gallon.

The deposits in question are supposed to cover an area of territory one hundred and fifty miles long and fifty miles broad. They overlie the immense coal beds found in that region, and consist of sandstones impregnated with oil.

These oil shales may be loaded directly into the cars from their native ledges on each side of the track of the existing railway, and their possession must ultimately yield an immense revenue to the company.

An ingenious dyer out West uses a poodle dog as an advertising agent. The variegated creature, through the art of his master, shows purple ears, an azure body, black fore legs, and yellow hind legs, head emerald, and tail sallow.

TRANSPARENT GUM.—A little glycerin added to gum or glue is a great improvement, as it prevents the gum or glue becoming brittle. It also prevents gummy labels from having a tendency to curl up when being written on.

PARAFFINE is recommended for the purpose of making boots water proof. In an English journal, the writer says: "Melt thoroughly the paraffine, and having well warmed the boot apply the paraffine, with a brush or piece of flannel before a fire, to allow of the leather absorbing the liquid."

RESTORING COLOR.—When color on a fabric has been accidentally or otherwise destroyed by acid, ammonia is applied to neutralize the same, after an application of chloroform will in almost all cases restore the original color.

AN ODD USE FOR HAMMERS.—"I remember," says a correspondent of the Medical and Surgical Journal, "that when I was very young, they used to raise blisters with boiled hammers. Old Dr. Twitchell of Keene (peace to his ashes) once wanted to blister some one in a farm house, far from home. He had nothing with him to do it with. He asked the wife to find him a hammer. The article was brought out, put in a tea-kettle over the fire, and after the water steamed and bubbled well, he lifted it out and gently touched it to his patient in a half a dozen spots, over the seat of pain with very positive effect.

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Agricultural.

TO DESTROY JOINT GRASS.—Joint grass is often troublesome in the cultivation of corn. The strong roots send forth new shoots each spring, and not only exhaust the soil, but overrun the crops. On a farm recently purchased which was covered with joint grass, I put sheep early in the season, soon as the grass started, after which I ploughed the land to the depth of three or four inches, as far as the fibres reached.

IMPROVING THE FARM.—A New Orleans paper says: "Some Chinamen last winter rented 160 acres of land a short distance from the city, and now they are gathering a splendid rice crop. They used a syphon to flood their fields from the river."

A writer in the Western Stock Journal says: "In a recent conversation with a farmer who had a few years ago bought a very poor farm, and whose prosperity upon the same has excited the wonder of his neighbors since that time, he remarked 'the great secret of his success lay in the fact that he never sold a bushel of grain or produce of any kind.' Everything raised on his farm was fed there, to the various kind of live stock usually kept by farmers; the manure carefully gathered and returned to the soil, and the beef, pork, etc., thus manufactured was sold at the market price.

WHAT THE FARMER MUST KNOW.—The farmer, like the business man, must know what he is doing; he must have some pretty decided ideas of what he is going to accomplish; in fact, he must calculate it before hand. He must know his soil—that of each lot; not only the top, but the subsoil. He must also know what grain and grass are adapted to each.

WHY CLOVER IMPROVES THE SOIL.—Prof. Voelcker thus explains the action of clover increasing the fertility of the soil. "All who are perfectly acquainted with the subject must have seen that the best crops of wheat are produced by being preceded by crops of clover grown for seed. I have come to the conclusion that the very best preparation, the best manure, is a good crop of clover. A vast amount of mineral manure is brought within reach of the corn crop, which otherwise would remain in a locked up condition in the soil.

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ican women. Whenever the head consults with the heart of the house about the little garden affairs, and the list of seeds to be procured is under earnest discussion, she is tolerably sure to close with the injunction, "be sure and have some Parsley sown." And the Parsley is bought and sown; but how many gardeners ever have it for all the anxiety and care to get the seed! The fact is, it is almost always sown too late. It takes six weeks to germinate, and then its early stages of growth are slow, so that it comes up about the time the weather is getting warm and dry, and unless in a favorable spot, burns out, or is in some way destroyed. This if allowed to sprout at all; for generally the amateur gardener, not knowing that it takes six weeks to sprout, considers the seed bad, and sows something else in the place thereof.

Parsley seed ought to be amongst the very earliest of seeds put into the ground, and it should have selected for it rather a dry spot; and yet one not much exposed to the full sun in summer.

When lifted in the fall for winter use, many put the roots rather thick in square boxes—any sort of box which comes to hand; but many give ornament to utility by having tasteful boxes made; and some even put the roots in shells or hanging-baskets. We have seen holes bored in small kegs, and after filling the keg with earth the roots are inserted through the holes, and when neatly done the effect is very good. Of course, in such cases a hole must be bored in the bottom of the keg also, in order to allow the surplus water to escape.

The double curled is the best for general purposes. It makes a pretty ornament for table dishes even when not wanted for actual use; and when the roots are taken up for winter preservation as described, the pretty figured leaves of the curled variety is as beautiful to look upon as many of the rare plants grown expressly for ornamental purpose.

A poor man's character is worth two dollars to him, where his hands are worth one.

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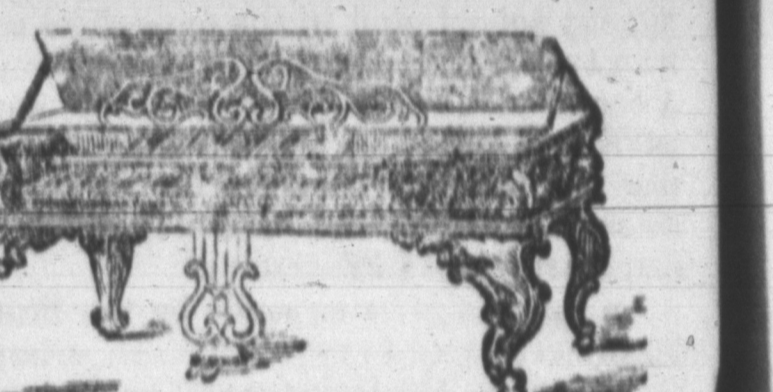
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Superior Pianos, IN VARIOUS STYLES. UPRIGHT, OBLIQUE, SQUARE, Etc. With all the latest improvements, manufactured by the subscribers, and especially adapted to this climate. An assortment of THE "SILVER TONGUE." A very fine toned CABINET ORGAN, by Carhart and Needham, N. Y. The above are offered to a discriminating public at moderate prices. WM. FRASER & SONS, June 1. 70 & 72 Barrington St.

H. G. LAURILLIARD, FAILOR, GENTLEMEN'S DRESS MATERIALS, AND Furnishing Goods constantly on hand. Agent for the NEW YORK FASHION PLATES 331 HOLLIS STREET, HALIFAX, N. S. May 17. 1vr.

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