

The Messenger Almanac.

DECEMBER.

First Quarter, Dec. 1st, Oh. 23m. A. Full Moon, " 9th, 3h. 35m. A. Last Quarter, " 16th, 10h. 48m. A. New Moon, " 23rd, 5h. 10m. A. First Quarter, " 31st, 9h. 43m. M.

Table with columns for Day, SUN, MOON, Rise, Sets, Rises, South, Sets, at Halifax. Rows include 1.SU., 2.M., 3.Tu., 4.W., 5.Th., 6.Fr., 7.Sa., 8.SU., 9.M., 10.Tu., 11.W., 12.Th., 13.Fr., 14.Sa., 15.SU., 16.M., 17.Tu., 18.W., 19.Th., 20.Fr., 21.Sa., 22.SU., 23.M., 24.W., 25.Th., 26.Fr., 27.Sa., 28.SU., 29.M., 30.Tu., 31.W.

THE TIDES.—The column of the Moon's Southing 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. At Charlottetown, 2 hours 54 minutes LATER. A Westport, 2 hours 54 minutes LATER. A Yarmouth, 2 hours 20 minutes LATER.

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. Letters of Dismission 50 cts. per quire. Psalms, in all varieties, from 75 cts. Baptist Hymn Book from 50 cts. Baptists Hymn and Tune Book \$1.00 and \$2.25. Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE, No. 69 & 71 Granville St., Halifax, April 15.

For Consumption

And all diseases that lead to it; such as COUGHS, NEGLECTED COLDS, BRONCHITIS, PAIN IN THE CHEST, AND ALL DISEASES OF THE LUNGS.

ALLEN'S LUNG BALSAM IS THE GREAT MODERN REMEDY

IT IS WARRANTED to break up the most distressing Cough in a few hours time, if not of too long standing. It is WARRANTED to give entire satisfaction even in the most confirmed cases of Consumption! It is WARRANTED not to produce costiveness (which is the case with most remedies), or affect the head as it contains no Opium in any form. It is WARRANTED to be perfectly harmless to the most delicate child, although it is an active and powerful remedy for restoring the system. There is no real necessity for so many deaths by Consumption, when Allen's Lung Balsam will prevent it, if only taken in time.

PRICE \$1 PER BOTTLE. SOLD BY ALL DRUGGISTS. April 22.

PATENTS

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LOUIS BAGGER & CO., Solicitors of Patents and Attorneys-at-Law, LeDroit Building, Washington, D. C. May 1.

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THE HOUSEHOLD.

WHEN TO PAINT HOUSES.—Paint, says the Manufacturer and Builder, applied to the exterior of buildings in autumn or winter will endure twice as long as when applied in early summer or in hot weather. In the former it dries slowly, and becomes hard like a glazed surface, not easily affected after-ward by the weather or worn off by the beating of storms. But in very hot weather the oil in paint soaks into the wood at once, as if into a sponge, leaving the lead nearly dry, and ready to crumble off. This last difficulty, however, might in a measure be guarded against, though at an increased expense, by first going over the surface with raw oil. Furthermore by painting in cold weather the annoyance of small flies, which invariably collect during the warm season on fresh paint, is avoided. As an offset to this, there is a trouble with a slow drying paint—it is that the dust, which always will collect upon exposed surfaces will keep collecting as long as the paint is not dry, and stick to it, so that to obtain a smooth surface free from adhering dust it is necessary to secure quick drying. This is especially the case when varnishing; we have often been disappointed, and no doubt so have many others, that the varnish used dried so slowly that dust had time to settle on it before it became hard.

UNFERMENTED GRAPE JUICE.—The grape season has arrived, and it may be of some interest to your readers to know how to preserve grape juice fresh and sweet through the year. In this manner the kitchen, the sick-room and the church can be relieved of the apparent necessity of using the villainous compounds of bad whiskey, burnt sugar and logwood, sold under the name of wine. The process is simple: If the juice is too acid to suit your taste, add sugar till the taste is agreeable. Have clean bottles and sound corks ready. Pint packing bottles are most convenient. Put the juice in a copper or porcelain lined kettle and bring it to a boil. Place the bottles in a vessel of cold water and heat nearly to boiling. Fill the hot bottles with boiling juice—cork immediately and cut the cork even with the mouth of the bottle—dip the mouth into melted sealing-wax—if bubbles form, dip the second time. Keep the bottles where they will not freeze, and the juice will remain fresh and sweet for years.

An oiled floor for the kitchen is better than one finished in any other way. As to catching the dust, it does so no more than any other floor, and shows it no more than a dark painted floor. A good sweeping removes it, or even a good mopping, which brightens it, as though it were varnished, and is much easier and cheaper than scrubbing grease spots, or being torn up every year or two for painting. One advantage is that you can use the floor without injury in twenty four hours, when put on the first time, and in less time for successive coats. It can be put on after the evening work is done, and the next morning, if the oil is pure, it will be dry enough for use. Apply with a clean brush, or even with a cloth.

TO KEEP BUTTER TWO YEARS.—Take one ounce each of saltpetre and white sugar and mix them thoroughly, two ounces of the Spanish great salt, all in fine powder; then add one ounce of the mixture to every pound of butter, and incorporate them thoroughly together. The butter is then to be pressed into clean glazed earthenware vessels, so as to leave a vacuum.

VINEGAR IN THREE WEEKS.—Molasses one quart, yeast one pint; put into a jug or keg containing three gallons of soft water; tie a thin piece of gauze over the mouth or bung-hole, and set it in the sun. Set in a warm place in winter. In three weeks you will find good vinegar. More molasses and yeast will make stronger vinegar.

To wash red table linen, to use tepid water, with a little powdered borax, which serves to set the color; wash the linen separately and quickly, using very little soap; rinse in tepid water containing a little boiled starch, hang to dry in the shade, and iron when almost dry.

To remove white spots from zinc, first wash it clean with good soap suds, then wash with a strong solution of tartaric acid and rain water, then scour with Bristol brick and flannel cloth. I clean my stove zincs that way and I think they look better than new ones.

BROWN BREAD.—One pint of sweet milk, two cups of indian meal one cup of flour, one-half cup of molasses, and one teaspoonful of soda. Steam four hours.

DRIED BEEF.—Slice the beef as thin as possible; put in a sauce-pan, cover with cold water, and set over the fire till it slowly comes to a boil, then drain off all the water, add two gills of rich cream, if you have it, or rich milk adding two tablespoonfuls of butter. If milk is used, wet to a smooth paste or cream, a teaspoonful and a half of flour, and stir in as it comes to a boil, and serve hot.

Think truly, and thy thought's Shall the world's famine feed; Speak truly, and thy word Shall be a fruitful seed; Live truly, and thy life shall be A great and noble creed.

Perhaps some readers would like to learn the secret of walking erect. When walking, try to attain the habit of carrying the palm of your hand forward, with the little finger next to your body.

TO CLEAN BRASS.—Immerse or wash it several times in sour milk or whey, this will brighten it without scouring, it may then be scoured with a woollen cloth dipped in ashes.

AGRICULTURE.

CHEAP BONE-DUST.—Nearly every farmer has surplus apples, or some other fruit, that the boys of the neighborhood, and especially of the neighboring village long for. Tell them you will give them a peck of apples for a bushel of bones, and you will have plenty of customers. Then, late in the fall, take a little waste wood, pile it with the bones in a heap, and burn them till they are white and can be pulverized with the back of a shovel. This gives you what is called bone-ash, a powerful fertilizer, and just what is wanted as an ingredient of the compost heap. It is the cheapest way both to get and utilize the waste bones, thousands of bushels of which lie around in every community.

TREE STUMPS are said to be easily removed by boring a two-inch hole eighteen inches deep in a stump. Fill with a concentrated solution of saltpetre, and plug up to keep out water. By spring it will have permeated every part. Then fill the hole with kerosene, set on fire, and the whole stump, it is said, will be consumed, even to the roots. It would seem to be feasible, and it is certainly an easy way to get rid of stumps. The ashes will remain to fertilize the soil.—Prairie Farmer.

Six hundred thousand pounds of California grapes were sold this season in Philadelphia—sent from San Francisco in ten weekly refrigerator car-loads at a cost for freight of \$1,125 each, or about 6 cents per pound of grapes.

A few gallons of gas tar to a barrel of water, applied with a garden sprinkler, repeating as often as necessary, is said to be destructive to vine bugs, cabbage worms, and Colorado beetles.

Norwick, Vt., claims the largest elm in New England, the spread of its top being one hundred and ten feet, and the circumference of the trunk, three feet above the ground, eighteen feet and seven inches.

One hog, kept to the age of one year, if furnished with suitable material, will convert a cart-load per month into a fertilizer which will produce a good crop of corn.

A Pennsylvanian says that a handful of bran in each hill of potatoes, when planted, will increase the yield one-third.

Make your farm so valuable by constant improvement, skilful culture, good fruit, ornamental shrubbery and pleasant surroundings, that no money will tempt you to leave it. And then, if you are, of under the necessity, for any reason, of selling, you can secure a much higher price than if your farm had been neglected.

A California paper informs us that alcohol may be made from beets. Probably. We know a great many dreadful "beats" have been made from alcohol.

Wheat after oats is poor farming. The soil is filled with weeds—of which the sprouting oats is the worst, though the ragweed and others do much mischief.

WOODILL'S GERMAN Baking Powder, Manufactured by FRED. B. WOODILL, FOR W. M. D. PEARMAN, Factory, 122 Upper Water Street.

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The Hymns of the Baptist Hymn-Book adapted to music. It contains 325 of the BEST STANARD TUNES IN THE WORLD. This book has no equal as a Hymn and Tune Book Price \$1.00.

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WINDSOR & ANNAPOLIS Railway.

Winter Arrangement, Commencing 7th Nov., 1878.

Table with columns: Miles, GOING WEST, Express daily, Pass. and Freight, Mon., Wed., & Fri., Passengers and Freight, Tues., Thurs., and Saturday. Rows include Windsor, Wolfville, Kentville, Wilmot, Annapolis, St. John.

Table with columns: Miles, GOING EAST, Express daily, Pass. and Freight, Mon., Wed., & Sat., Pass. and Freight, Tues., Thurs., & Sat., Express daily. Rows include St. John, Annapolis, Wilmot, Kentville, Wolfville, Windsor.

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

INTERCOLONIAL RAILWAY.

Summer Arrangement, 1878

TRAINS leave Halifax: At 8.50 a. m. (Express) for St. John. At 6.10 p. m. (Express) for Riviere du Loup. At 8.50 a. m., and 4.40 p. m., for Pictou. WILL ARRIVE: At 10.40 a. m., (Express) from Riviere du Loup. At 8 p. m., (Express) from St. John. At 9.15 a. m., (Accommodation) from Truro. At 3 p. m., (Express) from Pictou. April 25.

WESTERN COUNTIES RAILWAY.

1878--Summer Arrangement--1878

TRAINS LEAVE HALIFAX 7.30 a. m.—(Express daily) for Windsor and Annapolis. 8.00 a. m.—(Passengers and Freight) Mondays, Wednesdays and Fridays for Windsor and Annapolis. 3.10 p. m.—Accommodation for Windsor daily, and for Kentville, Tuesdays, Thursdays & Saturdays. WILL ARRIVE: 10.10 a. m.—Accommodation from Windsor daily: and from Kentville Mondays, Wednesdays and Fridays. 5.10 p. m.—(Passengers and Freight), Tuesdays, Thursdays & Saturdays from Annapolis and Windsor. 8.30 p. m.—(Express daily) from Annapolis and Windsor. Through tickets at the following fares can be obtained at the North Street Depot, Halifax: St. John 1st class \$5.00, 2nd class \$3.50, return \$7.50. June 5.



W. FRASER & SONS, 82 & 84 Barrington Street, Halifax, N. S. have just finished some very fine trichord

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