### The Messenger Almanac.

Full Moon, November 5th, 9h. 49m. A. Last Quarter, "13th, 6h. 47m. A. New Moon, "21st, 0h. 7m. A. irst Quarter, "28th, 7h. 47m. M. Day SUN. MOON. High Tide W. Rise Sets. Rises. South. Sets. at Halifax 1 Tu.  6 42 4 46 2 19 8 18 1 4  2 12 2 12 2 W  6 45 4 44  2 48  9 8 2 17 3 36
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THE TIDES.—The column of the Moon's Southing gives the time of high water at Parreboro, 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 min-utes LATER, and at St. John's, Newfoundland, 20 minutes EARLIER, than at Halifax. At Charlottetown, 2 hours 56 minutes
LATER. A Westport, 2 hours 54 minutes
LATER. A Yarmouth, 2 hours 20 minutes

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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#### AGRICULTURE.

ROOT-CELLARS .- The leading features of a good root-cellar are, proof against frost, neatness, dryness, ventilation, and cheapness. If a hill-side is conveniently near, it helps much to secure these desired ends. An excavation should be first made; in size depending upon the required capacity of the cellar, and in this erect a stout frame of timbers-posts with plank, or a log pen, on which place a stout roof. The earth that has been excavated is thrown over the structure, until the whole is covered to the depth of two feet. A door should be made in the exposed end of the cellar, through which the roots may be put in and taken out. The smaller the door, and still be convenient, the better, as it allows of less exposure to the frost. A quantity of straw pressed in the door-way will aid greatly to keep out the frost. Every farmer, with many roots to be stored, should have a root-cellar, either by itself, or in the lower part of the barn. It is not well to store a large quantity of roots in the cellar of the house, as the gases rising from them during winter may cause sickness to the inmates.

The Farmers' Home Journal says: If the cucumoer which grows nearest the root be saved for seed for a number of years, the result will be a smaller and earlier variety. If the fruit on the extremity, be saved it will make a larger and later variety.

A pound of bones contains as much phosphoric arid as one hundred pounds FOR THE LENGTH OF THE DAY. -Add 12 of wheat. On many farms there are hours to the time of the sun's setting, and bones enough wasted to supply phosphoric acid for all the wheat consumed.

> Mr. Le Visconte, Hastings, Minn., feeds his diary cows no fewer than ten times a day in winter, and the Saint Paul Press says he has proved by experience that this plan gives more milk than any other.

writer in the Journal of Horticulture, it thoroughly in the middle without gives what he considers a very superior | burning it anywhere else. soot and stable manure. A good cask is employed and also a smaller vessel, use to boil your pumkin the better. like a half barrel, or something even Slice the pumpkin; do not scrape it too smaller, with loose, open joints through much on the inside; stew with water, which the water will pass. The latter, in which you put a pinch of salt, until after it is filled, is intended to be placed it is tender; mash and put it through a in the cask and the space surrounding fine sieve while it is hot after straining, it to be filled with water. Take the add an eighth of a pound of butter, to half barrel and put in first a spadeful of about two quarts of stewed pumpkin; manure and pack it closely down to the now, to every quart add a quart of milk HALIFAX and CAPE BRETON bottom and around the sides, so as to and three eggs, beating the whites and form a cavity that will hold a pint or | yolks separately; use white sugar, and more of good soot from the top of a sweeten to taste; add cinnamon. chimney where coal fires are kept burnt; next add another layer of manure, pressing it close round the sides as Get a pure article of rock candy and before, then more soot, and so on until keep a small lump in the bird's drinking 12.25 P. M. connecting trains for Halifax full, when a plate or tile should be water. placed upon the top to prevent it floating. Now insert this in the cask. May 1. The smaller vessel may be supported at | Wipe the mirrors with borax water, the height of the cask by bricks placed the cloth being wet enough to dampen on the bottom of the cask, or by a pair of handles, consisting of two straight sticks securely fastened at its top and than sand, and in all cases a little borax by which it may be carried. Fill up should be placed in the water. the cask with water, let the smaller vessel remain for three or four days, afterwards being rubbed with a woolen li'ting it out a few times during the cloth, or they can be polished and dried interval to drain; then lift it out with old newspapers. altogether and support it on two sticks across the top and pour a few capfuls of fresh water to wash out by displacing the manure left in it, and when sufficiently drained the contents may go back to the manure heap for further decomposition, or be made use of in any other way. The solution thus obtained | whisper some word of comfort to their forms the stock pot, and may be diluted tired hearts. It cannot always last. to any extent according to circum- By-and-by there will come a change. Is all and a great deal more than we have stances. It may be used either alone, The querulous tones and pale faces of almost any strength, or it may be further enriched by the addition of about a teaspoonful of the sulphate of ammonia to each gallon of liquid. Or, on the other hand, a very good substitute for guano will be formed by introducing a solution of chloride of lime in place of ammonia. The chloride solution is made by adding two ounces of the dry powder to a wine bottle (twenty-four ounces) of water, shaking well up several times before using. From one-half to one ounce of this liquid to be added to each gallon and given stocks, primulas, primroses, and numerous other soft stemmed plants, will be found highly efficacious."

We are told that the smallest hair throws a shadow. And so it does. It throws a shadow over your appetite when you find it in your victuals.

Sheep fatten most rapidly at two to three years of age.

#### THE HOUSE.

OLD HENS .- Never keep an old hen. After the second year, he.s, as a rule, diminish in laving power. Of course, the quantity of eggs a fowl will lay, as well as the season of laying, can be regulated to a certain extent by care and feeding; but unless a hen is of a valuable breed or especially useful as a setter or mother, it does not pay to keep her after she is three years old.

GINGER PUDDING .- One egg. one cup of molasses, half a cup of butter, half a cup of fruit, half a cup of hot water, one tablespoonful of ginger, one teaspoonful of soda. Stir stiff with flour and steam one hour.

Clabbered milk is better than water for freshening salt fish.

Half a cup of vinegar in the water will make an old fowl cook nearly as quick as a young one, and does not injure the flavour in the least.

Ripe cucumbers make a good sweet

Apples which take a long while to bake should have a little water in the

Civility is as necessary to agreeable relations with servants as with others. It lessens the trial of service, promotes kind feelings on both sides, and checks undue familiarity.

Fowls seldom tire of milk. They may eat too much grain or meat for health, but milk in any form is more palatable and healthy.

Old wali-paper may be very much improved by simply rubbing it well with a flannel cloth dipped in oatmeal.

When baking cake in a long pan, line the sides and ends as well as the bottom with stiff white paper; you can then lift the cake out without breaking it, A VALUABLE LIQUID MANURE. - A and can also be perfectly sure to bake

PUMPKIN PIE.—The less water you

For restoring a canary-hird's voice:

HINTS TO HOUSE CLEANERS .. -

In scouring paint, sapolio is better

Mirrors can be cleaned with whiting,

#### HEALTH HINTS

Bear patiently with the invalids. Their lives are sad enough through food. Remember, their sorrow and incompleteness. Smoothe gently their ferved pillows and will give place to cheerful words and the rose-hue of health; or possibly the grave will have hidden them from your sight for ever.

A SURE CURE FOR CHILBLAINS .--Boil one pound of alum till dissolved, place the feet in the water as hot as it can be borne, and keep there till the alum has solidified. Two applications cured the worst case I ever knew. Mine were disposed of effectually at one trial.

If women wish to prolong their lives they should always put one day between washing and ironing.

Physicians who say that it is not healthy to sleep in the daytime are rebuked by a religious jouralist of the Keystone State, who says that people who attend church have remarkably good health

# INTERCOLONIAL RAILWAY.

#### WINTER ARRANGEMENT.

PRAINS leave Halifax daily (Sunday L excepted) as follows:-(Halifax time.)

At 8.30 a. m. - Express for St. John, Pic-At 1.15 p.m. - Accommodation for Pictou. At 5.30 p. m.-Accommodation for Truro. At 3.00 p. m.—Express for Quebec.

WILL ARRIVE :-At 9.15. a. m. - Accommodation from Truro. At 12 15 a. m., - Express from Quebec and from St. John. At 2.50 p. m.-Accommodation from Pic

At 8.30 p. m.—Express from St. John. Nov. 24, 1880.

Windsor and Annapolis Railway.

Winter Arrangement-Commencing Monday, Nov. 21st, 1881.

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

Miles.	GOING WEST	Express Mon., Wand Sat. ool	Passengers & Fre	Pass. & Frgt. D
	HalifaxLeave	7 45	7 45 P.M.	P. M. 3 00
64 71	Windsor. Wolfville. Kentville, Berwick.	9 40 10 30 10 50 11 36 P. M.	10 55 12 02 12 30	6 15 7 17 7 40
	Middleton. Annapolis. Arrive	12 23	2 58 5 00	
	St. John, do	7 30		1
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miles.	GOING BAST.			Dail	Pass. and dail	Express Mo and Sat.	
	St. John,	Leave	A.	M.	A. M.	8 00	4
98	Annapolis, Middleton.	Leave		1000 1000 4000	7 15		2 2
47 59	Berwick. Kentville, Wolfville.		6	30 57	10 57 12 30 12 52 P.M.	4 30 5 12	
	Windsor, Halifax	Arrive	8 11	15 00	2 30 5 22		

Steamer "Scud" leaves St. John at 8 a. m. every Monday, Wednesday and Saturday for Digby and Annapolis, and returns same day, on arrival of Express Train from Hali-

## RAILWAY.

Express leaves New Glasgow at 2.15 connecting with Halifax Morning Express, arriving at the Strait of Canso at 6.35 P. M.

EXPRESS leaves the Strait of Canso at and St. John.

### TO THE OWNER OF THE PARTY OF TH 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 Friday at 1.00 p. m. Arrives at Yarmouth at 5.00 p. m. On Tuesday, Thursday and Saturday at 3 30 p.m. Arrives at Yarmouth at 7.30 p. m.

#### For it is sadly too true that thousands of children are STARVED TO DEATH every year by improper or insufficient

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By its searching and cleansing qualities it purges out the foul corruptions which contaminate the blood and cause derangement and decay. It stimulates and enlivens the vital functions, promotes energy and strength, restores and preserves health, and infuses new life and vigor throughout the whole system. No sufferer from any disease which arises from impurity of the blood need despair who will give AYER's SARSAPARILLA a fair trial.

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