# The Christian Messenger.

HALIFAX, N. S., JANUARY 28, 1874.

ALMANAC FOR JANUARY. Full Mcon, January 2nd, 2h. 49m. atte noon. Last Quarter, "10th, 3h. 41m afternoon.

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THE TIDES .- The column of the Moon's Southing 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. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 min-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 hour and to the remainder add the time of rising n. x morning.

Articles and Covenant

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July 2. Hats and Caps.

TE have now on hand a full Stock of all WW kinds, including the NEWEST STYLE ',

to which we invite the attention of our friends, Wholesale and Retail.

Our prices are as low as any in the city. Silk Hats made to order by Confermateur Measure, without extra charge. EVERETT BROTHERS, 100 Granville St., May 3.



COMMENCING OCTOBER, 1873. HALIFAX TO ST. JOHN.

80			Exp.	rass.	rass.
=	STATIONS.	lst	and	and	
Miles.			Class	Frgt	Frgt.
			A. M.		
)	Halifax- Leav	e	8.00	8.45	3.00
8	Bedford "		8.24	9.24	3.30
	Wind. Junction "		8.40	10.05	3.55
	Mount Uniacke "		9.18	11.02	4.48
	Newport "		9.56	11.56	5.37
	Windsor "	• •		12.40	
	Hantsport "		10.36	1.20	6.44
	Wolfville "		11.06	2.08	7.2
- P. L. C. S. K. S.	Kentville "		111.40	2.57	
DATE OF THE PARTY	Aylestord "			4.15	
	Middleton			5.15	
	Bridgetown "		1.40		
	Annapolis-arrive			7.16	
-		W25000			A

190 St. John by Steamer ....

#### ST. JOHN TO HALIFAX.

Miles.	STATION	8.	Pass. Pass. Exp. and and 1st Frgt. Frgt. Class				
77	St. John by Ste	amer		А. М.			
0	Annapolis	Leave		7.00	2.20		
	Bridgetown	"		8.00	2.55		
	Middleton	"		9.00	3.32		
	Aylestord	"		10.05	4.10		
	Kentville		6.15	11.50	5.00		
66	Wolfville	"	6.41	12.25	5.21		
	Hantsport		7.19	1.30	5.50		
	Windsor	"	7.56	100 march 100 ma	6.10		
90	Newport	16	8.18	2.57	6.28		
	Mount Uniacke	"	9.18	4.45	7.07		
	Windsor unc.		10.10	5.55	7.45		
121	Bedtord	66	. 10.28	6.15	8.00		
	Halifax-Arrive	ð	. 11.00	6.45	8.25		

N. B .- The Express trains now run daily. Steamer "Scad" or "Empress' leaves St. John on Monday, Wednesday, Friday and Saturday, at 8 a. m., for Annapolis, and return same day on arrival of 8 a. m. Express Train from Halifax.

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

European and North American Railway Trains let ve St John at 8.30 a. m. and 9 p. m.

for Woodstock, Fredericton, St Stephens, Bangor, Pertland, Boston, and all parts of the United States and Canada.

Through Tickets at reduced fares by above routes to all parts of the United States and Canada may be obtained at the Ticket Office 126 Hollis Street, Halifax, at Richmond, and the principal Stations on the Railway. P. INNES, manager.

Kentville, 6th Oct., 1873.

Agricultural.

CALLING THE COWS.

BY SHIRLEY CLAIR. Co Bos ! Co! Co! Come Dapple come Daisy and Dell,-See, I am coming to open the gate, Supper is ready, I cannot wait! Hurry up, Crumple, don't be so slow ! Here it is milking time-Co Bos! Co!

Co Bos! Co! Co! Come Daisy and Dapp'e, you know very well The snn's going down, time milking was over, And some one is coming down the path thro' the clover,-

He will go to the milk house and wait there,

Come along, Dapple! Go Bos! Co!

Co Bos! Co! Co! Take care now, Crumple ! Steady there, Dell ! For some one is waiting, and often he vows, "Tis sweeter than music," my calling the

He is waiting to tell me what I very well know; Time milking was over. So Bos! So! - Western Rura!.

THE CURRY-COMB AND BRUSH .-Many stables are innocent of these lemon, and sweetening it to taste. Let things, and the occupants of them it cool, and then pour into the centre never get a rub down except when of the dish. Beat the whites of two there is something dirty to rub off. Are farmers generally aware that a out of the custard), spread them over curry-comb costs but ten or fifteen the top; sprinkle white sugar over cents, and that its use on a horse or them, and brown in the oven. The cow daily, not only improves the ani- stewed apples should be about half an mal's look, but its condition as well? inch thick on the bottom and sides of By loosening the hide, opening the the pudding dish. pores, dislodging insects, dandruff and dirt, great benefit is done. Moreover the use of these things carefully and judiciously, helps to render animals more docile, and manageable, to foster acquaintance with them, and secure influence over them. All rough, harsh use of the curry comb should be avoided. Some animals are sensitive in the skin, and must be curried very gently. Others, like some human beings, are ticklish in certain places, and must be treated accordingly, kind tones as well as gentle motives must be employed. The tempers of dumb brutes, as well as those of human beings, can be improved or spoiled by good or bad usage. The curry-comb and brush may be made most useful in securing attachment, and grateful, kindly tempers, in addition to health an dpolish of appearance. Therefore let no day pass without bringing them into busy requisition.

COST OF CROPS. - A Deleware County correspondent of the Rural New Yorker estimated the cost of growing the different crops on land worth \$60 per acre to be-Corn 80 bushels per acre, 20c. per bushel; 60 bushels per acre, 25c., 46 bushels per acre, 31c. to 33c.; 30 bushels per acre, 37ch to 40c.; wheat average cost \$1 per bushel; oats, at least 30c. at 30 bushels per acre; potatoes at 100° bushels per acre, 20c. These estimates include manure, ploughing, harrowing drilling or planting, thorough good cultivation, and the stalks and straw of corn and grains to pay for husking or threshing, and \$5 per acre for interest and taxes on land.

WINTER BRIDLE BIT .- Use a small stiff iron mouth piece covering it with leather, when this is done the covering should be channeled and stitched in the same mauner as in making round reins; to prevent the leather slipping on the mouth-piece the ends should be passed through the rings around the eyes. India rubber is also used for coverings to iron mouth pieces; hollow tubes of soft rubber are slipped over

if convenient.—The Poultry World.

A SINGULAR PLANT.—The kangaroo vine of Australia has received by a other forms of exhausted vitality, attentraveler the significant some of the dad with sprebral weakabes produced 132 SRINKET " devil's corkscrew." He described by severe labor or other cause, there is one as being nearly 700 feet in length no article of food which can replace and measuring at its base three feet beef essence; and every housewife nine inches in circumference. It had should know how to make it properly. first enfolded in its deadly embrace a tree of considerable size, but this support had died and disappeared, and nothing remained but a spiral column of vine nearly 200 feet in height, from the summit of which the huge climber had sent out its continuations in a horizontal line for more than 130 feet until it reached a eucalyptus-tree. Around this the vine had wound in several coils, and then thrown out a number of stems, which were grasping all the trees in the neighborhood of its line of march.—Bazar.

APPLE SOUFFLE. - Always stew the apples nicely, then adding a little grated lemon peel and juice, and omitting butter line the sides and bottom of a baking-dish with them. Make a boiled custard with one pint of milk and two eggs, flavoring with eggs to a stiff froth (they can be left

### Scientific.

CHEAP GAS.

It would seem that Russian ingenuity is likely to solve the problem of as paint, and the expense is a mere economically employing electricity for trifle. - Country Gentleman. illumination, in place of gas and oils, a newly invented method for this purpose having just been satisfactorily tested in St. Petersburg. By this method, only one piece of charcoal or other bad conductor is required, which, being attached to a a wire connected with an electro magnetic machine, is placed in a glass tube, from which the air is exhausted and replaced by a gas which will not at a high temperature combine chemically with the charcoal. This tube is then hermetically sealed, and the machine being set in motion by means of a small steam engiae, the charcoal becomes gradually and equally heated, and emits a soft, steady, and continuous light, which, by a most simple contrivance, can be strengthened or weakened at the option of those employing it-its duration being dependent solely on the electric current, which, of course, will last just as long a time as the machine is kept in motion.

Taking into consideration the fact thus alleged, that one machine, worked by a small three horse power engine, is capable of lighting many hundreds of lanterns, the assertion does appear unreasonable that a very great advantage and profit would result from the illumination of streets, private houses, public buildings, and mines with this new electric light. For use in mines it is claimed to be ivaluable, as no explosion can possibly arise from it; and these lanterns, it is also said, will burn equally as well under water as in a room. A most important fact remains to be mentioned, namely that the calculations made show that this electric light can be produced at a fifth of the cost of coal gas.

IMITATION OF MARBLE. - Imitations the mouth piece before the rings are of marble are in great demand for secured. The well-known hard rubber ornamentation, and many different comsuch as is used on harness mountings, pounds are used for the purpose. Mr. is also used as a covering to mouth. Pichler, a gilder in Vienna, from his pieces, and is as perfect a protection own experience, recommends the folfrom injury to the horse from frost as lowing composition as being simple and leather, and being less cumbersome, satisfactory: -Into one pound of best and also adapted to Summer use as joiners's glue boiled rather thick, half well is preferred by many as a covering. a pound of rosin (colophonium) is to be slowly stirred. (Instead of the rosin GRAIN FOR POULTRY .- There is no the same quantity of Venetian turpenother grain that is relished so well by tine may be used.) Into this plastic Do. fowls as Indian corn. It must always mass is worked a mixture of powdered continue to be, as now, the American | chalk and of any mineral color of the poulterer's main reliance. for, although | desired shade, and after the addition of too fattening to use in certain cases, a little olive oil it is ready for moulding. it possesses more nutriment for the It is sometimes convenient to have the price than any other grain, and is materials in the shape of thin sheets to always to be obtained. Corn can be be cut as required, and in this case the given ground and unground, raw and mass is rolled out upon a slightly heatcooked. Oats we prefer ground fine, ed plate. Mr Pichler asserts that this as otherwise the hulls are too harsh composition hardens rapidly and can and bulky. With wheat-bran and be easily polished. When kept for a middlings, wheat in the kernel, barley length of time it should be wrapped in and buckwheat there need be no diffi- a moist sheet, and exposed to gentle culty in avoiding monotony. Rye, heat before using. The variegated though the poorest grain of all, may be marble-like veins can also be produced given occasionally, and brewers' grains, by kneading together differently colored portions of this mass.

BEEF ESSENCE .- In low fevers and To do so, take a pound of juicy beef (the neck is, perhaps, the best), cut it very fine, rejecting all fat and "gristle," and put it into a wide mouthed bottle, such as a pickle bottle. Then put the bottom, tightly corked, into a kettle of cold water, set over the fire, and boil an hour. When well boiled uncork the bottle pour its contents into a strainer, and drain out the liquid.

A pinch of salt may be added, if required to render it palatable. No water should be added to the meat or essence. Even a teaspoonful of this preparation contains a great deal of nourishment, and is borne by almost all stomachs. Life can be sustained by its use a long time.

WASHING FOR ROOFS AND BUILD-INGS.—Slake lime in a close box to prevent the escape of steam, and when slaked pass it through a sieve. In every six quarts of this lime, add one quart of rock salt and one gallon of Comprising the variety (ardent spirits exwater. After this boil and skim clean. To every five gallons of this, add, by slow degrees, three quarters of a pound of potash and four quarts of fine sand. Coloring matter may be added if desired. Apply with a paint or whitewash brush.

This wash looks as well as paint, and is as durable as slate. It will stop small leaks in roofs, prevent the moss from growing over and rotting the wood and render it incombustible from | Has stood the test of Time. sparks falling on it. When applied to brickwork it renders the bricks utterly impervious to rain; it endures as long

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