The Christian Messenger.

HALIFAX, N. S., JUNE 3, 1874. ALMANAC FOR JUNE

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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 -Subtrac, the time of the sun's setting from 12 bou. and to the remainder add the time of rising n. x worning.

WINDSOR & ANNAPOLIS RAILWAY SPRING ARRANGEMENT.

COMMENCING WEDNESDAY, 1st April, 1874. HALIFAX TO ST. JOHN.

Miles.	STATIONS	No.	Pass. 1 and Frgt. 1	and	
	Hallfor-	Leave.	A M.	A. M.	P. M.
	Halifax-	Mente.		9.10	
	Bedford	"		9.40	
18	Wind, Janction			10.40	4.45
	Mount Uniacke	"			
	Ellershouse		9.91	11.20	
39	Newport			11.33	5.34
45	Windsor	. " .		12.20	
52	Hantsport	" ,	10.40	12.50	
	Wolfville		11.10		
	Kentville	at 11 .	11.40	2.40	7.50
	Berwick		12.12	3.40	
	Aylesiord		12.25	4.12	
	Middleton		12.58		
		"	1.15		
	Lawrencetown	11	1.35		
	Bridgetown			The second second	
129	Annapolis-arriv	e	2.10	0.40	3

190 St. John by Steamer ... 8.00

ST. JOHN TO HALIFAX.

Miles.	STATIONS	and Frgt.	and	No.	
1	St. John by Ste	amer.	A. M.	А. М.	A. M. 8.00
	Annapolis	Leave		8.15	2.20
	Bridgetown	"		9.08	3.13
	Lawrencetown			9.40	3.32
	Middleton ··	**	****		4.10
42		"		11.15	
	Berwick -	"	****	11.35	5.00
	Kentville		7.30	1.00	
59	Wolfville	- 11	7.53		
66	Hantsport	"	8.33		0 10
77	Windsor	"	9.20	400 1000	10 1111
84	Newport		9.56		
90	Ellershouse	41	10.07		
103	Mount Uniacke	"	10.45		
	Windsor unc.	44	11.45	5.35	7.45
			P. M.		1
121	Bedtord	66	12.03	5.55	8.00
129	Halifax-Arrive		12.30		

N. B.—Trains Nos 1 and 6 run in connection with the S eamer "Scud," and on Monday, Wednesday, and Saturday only.

Steamer "Scud" leaves St. John on Mon-DAY, WEDNESDAY 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 East-

port, 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.

Through Tickets at reduced fares by above routes to all parts of the United States and Canada may be obtained at the Company's Office, 126 Hollis Street, Halifax, at Richmond, and the principal Stations on the Railway. P. INNES, Manager Kentville, 30th March, 1874. April 1

Hats and Caps.

TE have now on hand a full Stock of all VV 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 Conformateur Measure, without extra charge. EVERETT BROTHERS, 100 Granville St.,

May 3. ...

Agricultural.

WHISTLE AND HOE.

There's a boy just over the garden fenceg Who is wristling all through the livelong day And his work is not just a more pretense For you see the weeds he has cut away. Whistle and hoe, Sing as you go, Shorten the row By the songs you know.

Not a word of bemoaning his task I hear, He has scarcely time for a growl, I know, For his whistle sounds so merry and clear, He must find some pleasure in every row. Whistle and hoe, Sing as you go, Shorten the row By the song, you know.

But then while you whistle, be sure that you

For if you are idle the briars will spread; And whistle alone to the end of the row May do for the weeds, but is bad for the bread. Whistle and hoe,

Sing as you go, Shorten the row By the songs you know. -Rural New Yorker.

DRY EARTH FOR BEDDING .- R. Giddings, of Illinois, saves the manure, and adds to the comfort of his stock by using dry earth in the stables. To do this he fills a stall or large bin in his stable during dry weather with pulverized clay, road scrapings and common soil. With this he covers the floor of each stall three inches deep, and then places the litter for the animals' bedding on it; by this means all the urine will be absorbed, and its wealth of nitrogen saved, and such is ten or twelve cattle during the stabling season; and that two men with a team filled the bin in one day. One ton of the saturated earth is worth more than the same weight of even fresh-saved dung. The aggregate amount of plant food thus saved from the stalls is fully double, and in much better condition for use.

BUTTER vs. CHEESE.—We notice, says the Guelph Mercury, that many of our exchanges are commenting on the high price of butter, and we can fully sympathize with them. The reason of the high price, however, is obvious, it being the direct result of the largely increasing cheese manufacture cup of currants, flour and nutmeg. in every section of the province. It is a fact well known among dairyman that the milk required to make one pound of butter will make three pounds of cheese. Eleven cents is a fair average price for cheese the year round; so that to be equal to it, butter must realize from 30 to 33 cents. As the demand for cheese is practically unlimited, its manufacture will undo btedly increase, and as farmers are not slow in finding out what pays best, we venture to predict that the price of decent butter will never again fall to so low a price as we have seen.

LARGE CROPS ON DEAR LAND. - LOW priced land makes comparatively poor tarming a necessity. We cannot farm in Wisconsin as the English farmer must to succeed at all. We cannot afford to expend \$100 in underdraining an acre of land which will be worth but \$30 when the work is done. We cannot afford to employ so large an amount of capital on cheap lands as is essential on high priced land. As our land grows in value necessarily we must more and more nearly approach high farming. We cannot afford to grow even twenty bushels of wheat on land worth \$200 per acre. - Western Farmer.

TO MAKE CUTTINGS GROW .- A COTrespondent of the Western Farmer says: I used to have a great of trouble to make current and gooseberry cuttings or slips grow, until I tried the following plan. I boiled some potatoes until they were nearly done, and then stuck one on each slip, and put it in the ground. Every slip sprouted and grew well all summer, with one or two exceptions. The idea of putting the boiled potatoes to the end of cuttings was to furnish and keep moisture enough for them to grow until the roots become large enough to gather this moisture and substance from the soil.

A practical philosopher it was who grass, to grow upon a spot of ground where only one grew before, would dewhole race of politicians put together

The Household.

DOMESTIC RECEIPTS.

To make Tomato Figs. - Pour boil. ing water over the tomatoes in order to remove the skins; then weigh and place them in a stone jar, with as much sugar as you have tomatoes, and let them stand two days; then pour off the sirup and boil and skim it until no scum rises. Then pour as before, then boil and skim again. After a third time they are fit to dry, if the weather is good; if not let them stand in the sirup until drying weather. Then place on large earthen plates or dishes, and put them in the sun to dry, which will take about a week, after which pack them down in small wooden boxes with fine, white sugar between each layer. Tomatoes prepared in this manner will keep for years.

Stuffed Cabbage. - Take a large fresh cabbage and cut out the heart. Fil the place with stuffing made of cooked chicken veal, chopped very fine, and highly seasoned, rolled into balls with yolk of egg. Then tie the cabbage firmly together, and boil in a covered kettle for two hours. It makes a very delicious dish, and is often useful for using up small pieces of cold meat.

Steamed Oysters .- Wash the oysters thoroughly, and place them in a colas to require replacing. He says his kettle, would answer in place of a col- by electric or magnetic current, or by -Household.

> German Potatoes .- Mashed potatoes well seasoned and plenty of cream. Make in little cakes half an inch thick (made some hours beforehand they are better), beat an egg and dip them in it; brown nicely on both

Cream Cake. Two eggs, one cup of sugar, one cup of cream, two cups of flour, one teaspoonful of cream of tartar, one teaspoonful of soda.

Loaf Cake. - Three eggs, one cup of sugar, half a cup of butter, one cup of cream, one teaspoonful of soda, one

Housekeeping Hints .- Never put a particle of soap about your silver ware Do., if you would have it retain its original lustre. When it wants polish, take a piece of soft leather and whiting and rub hard. The proprietor of one of the oldest silver establishments in the city of Philadelphia says that "housekeepers ruin their silver by washing it in soap suds, as it makes it look like pewter."

Stove lustre, when mixed with tur pentine and applied in the usual manner, is blacker, more glossy, and more durable than when mixed with any other liquid. The turpentine prevents rust, and when put on an old rusty stove, will make it look as well as

To extract ink from cotton, silk and woollen goods, saturate the spots with spiri s of turpentine, and let it remain several hours; then rub it between the hands. It will crumble away, without injuring either the color or the texture of the article.

ARTIFICIAL COFFEE. - One cup of corn meal, one cup of Graham flour, one cup of molasses. Rub all together, and brown nicely. It has been pronounced by many of the uninitiated as excellent as Java.

BIG TREES .- The Yosemite Valley has met its superior in the matter of big trees in the region of the Johnstone River in Australia. The English government botanist recently found there a hugh fig tree, which three feet from the ground measured 150 feet in circumference; at fifty five feet, where it sent forth giant branches, the stem was nearly 80° feet in circumference.

Nothing can convey a more impressive idea of the power of water as a general agent than the wonderful canons of Mexico, Texas, and the Rockey Mountains, where the torrents may be seen rushing along, through the incision it gave it as his opinion, that whoever could has cut for itself in the hard rock, at a make two ears of corn, ortwo blades of depth of several thousand feet between perpendicular walls. The greatest of these canons, that of Colorado, is 298 serve better of mankind, and do more miles in length, and its sides rise peressential service to his country, than the pendicularly to a height of 5,000 or 6,000 feet.

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CONIFERIN .- The following information will be of interest and importance to the possessors of fir trees. In the juice of fir trees, between the wood and the bark, there is a crystalline substance called coniferin. This is what chemists call a glucosidethat is, a substance which readily breaks up into grape sugar, and some other variable substance. When this coniferin is acted upon by oxidising agencies, it is easily converted to vanillin, or the chemical principle of vanilla. A few grains of this chemical principle is sufficient to flavour at least a dozen ice puddings. The juice of an ordinary sized fir tree contains enough coniferin to make five guineas worth of vanillin. This last triumph of chemistry is the result of researches made in Dr. Hoffmann's labor atory at Berlin.

ORIGIN OF THE DIAMOND .- We learn from a report in the Times that the Hon. Theophilus Shepstone, in describing the South African diamondfields, at the Society of Arts last week, propounded the following curious hypothesis as to the origin of the diam and. Having described the diamond-fields as forming a large basin, the dried up bed of an enormous inland sea, he says that probably "the diamonds which are found in it are formed by carbonic acid gas ejected by the action of subterranean heat through fissures in forwarded. the earth's surface into the bed of the lander, covering with a lid; put enough | dried-up sea, the water of which was water into a kettle to get up a good sufficiently deep to imprison and liquify the absorbing power of dried earth, steam. The oysters will soon open, the gas after its evolution. The disthat one three-inch flooring will not be when they are done. I suppose any covery of the process by which this so thoroughly saturated in a long time perforated pan fitting snugly on the liquid gas became crystallized, whether experiment requires but one bin of lander. This is the best way to cook the potent influence of iron in some of pulverized earth to absorb the urine of oysters. Try them and be convinced. its numerous forms, must be left to future scientific investigation." Com ment upon this ingenious notion is un-

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