# The Christian Messenger.

HALIFAX, N. S., APRIL 29, 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.

Fu	II M	00	n,		. 3	lst					or	ning.
D	Day	SUN.				MOON.						High Tiue
Z	Wk	R	ise	Se	ts	Ris	es	Sot	th	Se	tsl	at Halitay
1	F	14	54	7	0	7		mo		4	41	
2	Sa	4	53	7	1	8	39	0	18	5	3	
8	SU.	4	51	7	2	9	47	1	4	5	29	
4	M	4	50	7	4	10	50	1	55	6	3	9 3
5	Tu.	4	48	7	5	11	48	2	48	6	46	9 36
6	W	4	47	7	6		rn	3	43	7	38	
7	Th.	4	46	7	7	0	37	4	40	8	43	
8	Fr.	4	44	7	8	1	18	5	36	9	54	
9	Sa.	4	43	7	9	1	52	6	30	11	8	
10	SU.	4	42	7	10	2	19	7	22	A.	25 40	
11	M	4	41	7	11	2	42	8	11	1	59	
12	ru		39	1	18	3	3	9	1 50	4	18	
13	W		38	7	14		26	9	52	5	58	
14	Th		37	7	15	3	50 20	10	44		0	
15	F	4	36	7	17	4	54	A.	38		22	7 45
16	Sa		85	7	18 19		38	î	38	9	38	
17	SU.		34	7	20		35		40	10	45	
18			33	1	21	7	39	3	39	11	39	
19			32	7	22	8	48		33	me		and the second s
20			31	7 7 7 7	23	9	57	5	25		20	
21			29		24	11	1	6	10	0	53	
22		1.0	28	7	25	A.	4		52		17	
2:	Sa. SU.		27	7	26	1	11	7	33		36	
24	M		2	7	27		12		12	4000000000	50	
26	Γu.		26	7	28		14		51	2		
27		1200	25		29		17		32			
28			24		30		2	10	14			
29		4	24		31				0			6 19
30		4	23		31	7	36		50			6 56
31					32	8		m		100		
	51(501)¥ 22(1 02) 5 41(11)511 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											

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 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.

WOR THE LENGTH OF THE NIGHT -Subtrace the time of the sun's setting from 12 hou," and to the remainder add the time of rising next worning.

## AGENTS WANTED.

COMETHING NEW and very Profitable O for Agents, no cheek required, everybody will welcome you to their Houses, they want the goods. Send for Circular to ROGERS & BLACK,

Amherst, Nova Scotia. Jan. 14. 3m. January 6th, 1874.

### GARDEN AND FLOWER SEEDS Sent by Mail to all parts of the DOMINION.

OUR Chromo "The Little Florists." U a beautiful Parlor Picture, 17 x 22 inches, is sent free to all who favor us with orders to the amount of Five Dollars. Send for CATALOGUE, which we mail gratis to all who wish.

CHASE BROTHERS & BOWMAN, SEEDSMEN. Oshawa, Ont. Feb. 4. 2m.

## Magnificent NEW BIBLE SUCCESS.

One man just cleared \$90 in 4 days, selling the COMPLETE DOMESTIC BIBLE, just out. NEW type and TAKING features. 800 Engravings, Superior Paper. Excels every way and sells quick. Big Terms to Agents. Our-FIT FREE. For full particulars address JOHN KILLAM, SENR.,

our authorized Agent, Yarmouth, N. S. HUBBARD BROS., Pubs. 53 Washington street, Boston.

## Hats and Caps.

Mr. have now on hand a full Stock of all 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,

May 3.

## NOVA SCOTIA **Boot & Shoe Factory**

100 Granville St.

22 5 28 GEORGE STREET. (North-end of Frovincia Buyarng.)

THE Subscriber begs respectfully to intime'e to his Friends, and Public generally, that having fitted up his Establishment with the Latest and most Improved

Machinery. and having secured a STAFF OF SUPERIOR ARTIZANS, he is now in a position to manu-

## BOOTS AND SHOES,

Which for VARIETY, QUALITY, STYLE, FINISH AND CHEAPNESS cannot be excelled by any goods offered in this market, whether Dominion, English or American.

BOOTS AND SHOES, at all Prices BOOTS AND SHOES, in all sizes. BOOTS AND SEOES made atter the la est French, English and American designs. Examine for yourselves, compare with other Goods, and if found worthy, encourage Home Manufactures.

#### WHOLESALE BUYERS Will find our Terms Libers!, and we assure them that their interests will receive our best

GEORGE S. YATES. Halifax, N. S., April 24, 1871.

## Scientific.

PACIFIC OCEAN DEEP SEA SOUND-INGS .- At a recent meeting of the who reflects at all on what he sees, California Academy of Sciences, Prolaying of a telegraphic cable from that corn-plant, for instance, grows tremencoast to Japan. This work had ac- dously as compared with the wheat, or complished a remarkable develope- some grasses; and the total weight per Ocean, which had no paralle' in the case of any other farm crop that grows. plateaus of the Atlantic. The Tusca. rora first started in her line of sound- peculiarities which in a measure regu-North Pacific designated as the Gulf pher. The young calf will grow treof Alaska, toward the Asiatic coast. mendously more than the young mouse a depth of 1 400 fathoms, at a distance and he has come to the conclusion of 150 mlies from the coast. The that though these matters are in the

prosecuting off and on soundings all It seems, according to two views, along the coast to the entrance of San | that plants take up their food with their Francisco Bay. This work determined liquid through the roots; and that as the fact that he sudden descent at the the moisture evaporates through the bottom of the Pacific to a great depth leaves, it leaves the solid matter essenis continuous down the entire coast | tial in plant structure behind. The varying from twenty to seventy miles more evaporation, therefore, the more out. In the latitude of San Francisco solid matters are left to make organized of clover. In travelling to Edinburgh Bay, the great bench is reached a matter out of. He finds the corn-plant some years ago by the Caledonian line, short distance off the Farallones, where one of tremendous evaporating power, whole fields white with clover flowers the bottom suddenly descends to a and thus we may account in some mea- caught my eye, and made me take a weather, the bottom descends precip- builds itself up. continues westward for hundreds of writer, that heat has nothing whatever many of which hardly ever received a supposed to exist, from the seaward dry it, the moisture escapes. The Ploughman. jutting of the mountains, a depth of apple dries. But the same apple on 2,200 fathoms is reached eighty miles the tree and growing would not be Golden Gate, the bottom is reached at ing apple would send out its moisture the "momentous question" is negascended to 1,700 fathoms; and 100 near it was seventy than when it was 2,548 fathoms has been measured would be no perceptible difference. American.

most remarkable deposits of native little to do. sulphur, as yet discovered, is a great The great evaporator, he says, in hill composed of the almost pure healthy plants is sun light, and it is bearticle, found some two years ago at a cause of this great evaporating power distance of thirty miles south of the that plants grow so well in the sun. Union Pacific Railway, and nine hun- It makes the moisture leave the plant dred miles west of Omaha. This and with the new moisture more food marvellous deposit is found to consist enters. We do not know what our those found in Sicily. The principal Germantown Telegraph. supplies for the manufacture of sulphuric acid come from there; the deposits contain 35 per cent of impurities and 65 per cent of sulphur. Our western sulphur hill, therefore, is much the most valuable, and promises to become ere long of great importance to the country. - 16.

special commission of the co-opera- draw straight cross lines, and drop a tive Society of Russian Manufacture seed at each intersection, so that they and Trade has reported in favor of may be easily counted. Then take a the construction of a railroad line wide hoop or frame, and make a botbetween Russia and China, through tom to it with cloth stretched across Siberia. The road, with its connec- so as to resemble a sieve. Place this with a fortified town in Western Rus sia and ultimately reaching Pekin.

DISTANCE OF THE SUN.—Professor Proctor says that if an infant were other kinds can be easily tested, which born having an arm of the length of 91,000,000 miles, so as to reach the where the age or freshness of the seed sun, and if in the cradle he were to is not certainly known .- Country Genstretch out his arm and touch the sun, that infant might grow to the threescore years and ten allotted to man, but he never would be conscious of the fact that the tip of his finger was turned; he would have to live 135 years before that would be experienced. Some infant ought to try this, to see whether it is true.

During the past ten years, the screw has entirely replaced the paddle in food for twenty-five cows for two transatlantic navigation, the weight months, and for thirty-five cows and of marine engines has diminished one half, the steam pressure has quadrupled and the consumption of coal has de- turnips, the same quantity of beets, West River-Rev. Malcom Ross. creased two thirds.

# Agricultural.

How corn grows .- Every one must have wondered why it is that If dairymen would study the best fessor Davidson announced some of the some kinds of vegetation will grow method, supporting more cows on their results of the sour dings made by Cap- so much larger than others in the small farms, instead of buying more tain George T. Beiknap, of the United same season, though every circum-States steamer Tuscarora, during last stance that has any relation to cultiva- | would make an improvement in the year, with reference to the projected tion evidently is just the same. The right direction. ment of the depths of the Pacific acre is perhaps greater than in the the 25th of August to the 15th or 20th

temperature of the water at the great- main constitutional, there are still et depth on this line of survey was 34 certain reasons for this, and in the plants one of the leading of these agen- plants. It is widely cultivated in this Commander Belknap then returned, cies is a canacity for evaporation.

miles out, the enormous depth of but fifty degrees, but on the tree there without reaching bottom. - Scientific The same evaporation would go on. Agents for the Christian Messenger. There is, he says, a vital power in this case which throws off the moisture, and A HILL OF SULPHUR .- One of the one with which external heat has very

almost wholly of sulphur, containing practical men will say about this new only 15 per cent of impurities. The light, but it is worthy of being noted best deposits heretofore available are among the new thoughts of the day .-

TESTING SEEDS .- Now that spring and the planting season are approaching, it is often important to test the vitality of seeds before sowing them. We have heard the following simple and easy method described: Fill a box, pan or flower pot partly with rich, mellow earth, make the upper surface A RUSSIAN CHINESE RAILROAD. A perfectly smooth, and on this surface tions, would traverse for the most part upon the seed, and fill it with enough a thickly populated country, and open fine mould to form a sufficient covering up immense cattle and wool-growing for the seed, which should generally districts which are now is olated from be four or five times the diameter of the business world. It would have the seed for the depth. Keep the soil to be built in sections, commencing sufficiently moist and in a warm place. The sieve can be lifted easily and the seeds examined without disturbing them. In this way corn, wheat, clover seed, turnip seed and many may be of considerable importance

Soiling .- J. R. B. in the Practical Farmer, gives an account of what he produced from two and a-half acres of land put in first-rate order, and used for soiling and root growing. The land was used from Aug. 1, 1871, to to the end of the season of 1873. The corn-fodder, green rye, (for Autumn Do., use), and white mustard, furnished Do. two oxen for one month. In addition to this he raised 840 bushels of round and 250 bushels of rutabagas. When East Point, P. E. 1.-Wm. M. McVane.

dairymen learn to produce such an amount of fodder from an acre, a fiftyacre farm will carry as many cows as 200 acres under the wasteful system of three to four acres to pasture a cow. land to be spoiled by half tillage, they

FORCING BARREN TREES TO BEAR. -This can be done by pruning, from of September. While I don't know Of course there are constitutional as I can give a scientific reason for it, yet I know, by actual experience, that ings from the entrance to the Straits lates this, and which "no feller can find it will have its desired effect if properof Fuca, across that portion of the out," be he never so great a philoso- ly done. If the tree is very vigorous, root pruning may be necessary. The reason I assign for pruning at that After leaving the entrance to the though each may have as much light time is that the fruit buds are formed straits, the bottom slopes gradually to or heat or food as it may need. But at that season, and if the flow of sap a depth of 100 fathoms, and then a we note that some person in Germany be turned from the wood it will go to sudden descent occurs, which reaches has been looking into these matters, mature the fruit-bud.-Prairie Farmer.

WHITE CLOVER AS A HONEY PLANT. -An English writer says: White or Dutch clover is the queen of honey country, and continues to flower a long time. In Scotland, the farmers use more white clover seed in laying down the land in grass than the farmers of New England, hence the clover fields are better there than here. And the use of lime and bone dust, as manures, has a great influence in the production depth of two miles. Off Cape Foul- sure for the rapidity with which it second look to see if the whiteness came from daisy flowers. Whole disitately from 400 fathoms to a depth of A very singular point in the essay tricts, unsurpassed for excellence, met 1,500 fathoms, and then the plateau to which we refer is the belief of the my eye during a visit to my native land, miles, and comparatively as level as a to do with drying the moisture out of a complimentary visit from bees, and for billiard table. Off Cape Mendocino, healthy plant. The idea he has is like this reason, that there were no bee where shoals have been erroneously this: If we take an apple and cut and keepers in these districts .- Mass.

A young lady says that a gentleman from the shore. Thirty miles off the affected in that way by heat. Our dry- ought never to feel discouraged when 100 fathoms; at 55 miles, it has de- more rapidly when the thermometer tived by the object of his choice, "tor in life, as in grammar, we always decline before we conjugate.'

Amherst- W. F. Cutten, Esq. Antigonish-T. M. King, Esq. Aylestord-Rev.Dr.Tupper,J Wheelock, Esq. Rev. J. L. Read, Burnington-Rev. W. H Richan. Beaver River-Wm. S Raymond, Esq. Berwick-John M. Parker, Esq. Bridgewater-Wellesley J. Gates. Bridgetown-W. H. Chipman.
Brighton, Digby C unty-N. R. Westcott.
Brookfield-A. J. Leadbetter. Beal's Mountain -- John Whitmar . Caledonia -B. L. Telfer. Chester-Rev. I. J. Skinner. Chute's Cove-J. P. Foster, Esq. Clements-Jas. E. Potter, E.q. Canso .. C. H. Whitman. Cornwallis-J. E. Lockwood. Billtown-Gideon Cogswell, Esq Abel Strong.

Canning-Jas S. Witter, Esq. Lakeville-Melitiah Kinsman. Digby-Mrs. Bent. Digby Joggins-Wm. Aymar, Esq. Digby Neck-Rev. J. C. Morse. DeBert River-Wir. McCully, 4th. Daihousie East-Thomas A. Wilson. Economy—Thomas Fulton Esq., Josiah Soley, Granvil'e—Joseph D. Halfyard. Guysborough—Christopher Jost, Esq. Greenfield-Robert Harlow. Hantsport-C J. Margeson, Esq., M. D. Hillsturgh-Nelson Miller, Esq. Kempt-Joseph D. Masters, Esq. Liverpool-Charles Bill, Esq. Long Island-Isaiah Thurber, Esq. Londonderry, Great Village-Ezra Layton. Maccan River Hebert-Hance Mills. Milton, Queen's-G. Whitfield Freeman, Esq. Mill Villige-W. A. Reed. Musquodoboit-Edward McCabe. Mahone Bay-Joseph Ham Margaree, C. B.-Lachlen McDonald. New Germany-Adam E. Durland. Newport-Joseph Dimock, Wm. H. Knowles. Nictaux-W. A. Morse. New Albany—Daniel Whitman. Caslow—J. B McNutt, Esq. aradise—M E. Marshall. Parsboro-Martin Hunter. Port Medway-James T. Foster. Portaupique—Joseph Upha:n. Pugwasb—Angus McDonnell. tawdon-John McLearn, Esq. River Philip-Thomas H. Patton. Rosette, Annapolis-Richardson Harris, Esq. Locke's Island-Xerxes Z. Chipman, Esq. St. Mary's Bay, Digby Co.—Chas. McNeill, Esq. Sherbrook West—James Lantz.
Springfield—Israel McNayr, Esq.
Stewiacke--Rev. O. Chute: Rev. Jas. Meadows. Sydney, North, C. B.—A. G. Musgrave.
Sydney Town, C.B.—C. H. Harrington, Esq.
Truro—Robt. Chambers, Esq. Rev. D. W. C. Dimock. Windsor-Andrew F. Shand.

Walton-F. Parker, Esq. Westport—Holland E. Payson, Esq. Weymouth—Rev. C. Randall. Wilmot—Dr. J. Woodbury. Wilmet, Canaan Road-Fletcher Wheelock. Wilmot Mountain-Jas. P. Foster, Esq. Wolfville-G. V. Rand. Yarmouth-William Churchill. Carlton-Rev. J. A. Stubbert. Do., Hebron-Wm. R. Doty. St. John, N. B.-John F. Masters, Esq. PRINCE EDWARD ISLAND. Crapaud, P. E. I.—Dr. Freeman. Charlottetown—James Desbrisay, Esq.

Summerside-Dimock Archibaid.

Three Rivers-Rev. John Shaw.

AUTUMN STOCK.

150 GRANVILLE STREET

TATE are now opening per "Sidonian, "Ismalia," and "Austrian,"

PACKAGES OF DRY GOODS.

Balance expected daily, per "Severn, 1 Nestorian," "Delta" and "Roseneath."

## MILLINERY.

Stock of Millinery now Complete. Wholesale and Retail. SMITH BROS. Sept. 17.

# Kennedy, Bent & Co. COMMISSION MERCHANTS? And Wholesale & Retail Grocers. 223 BARRINGTON ST.

HALIFAX, N. S. ITAVE been enlarging and repairing their L store, and adding large Warerooms, and now have the pleasure of informing their friends and the public generally, that they have on hand a

## LARGE STOCK OF GROCERIES. Comprising the variety (ardent spirits ex-

cepted,) usually found in a First-class Grocery Store.

Family Orders carefully put up and forwarded.

All kinds of Country Produce sold, and prompt returns made.

W. Y. KENNEDY, JOSEPH H. BENT.

Halifax, May, 1873. Aug. 27.

WHY spend you money in procuring Foreign preparations when you can so easily procure better articles, of home manufacture and at less price? Archibald's Cough Mixture, a universal remedy for Lung nad Chest disease-Archibald's Tonic Bitters a capital remedy for Dyspepsia and Liver Complaint-Archibald's Vegetable Pain Balsam the great killer of pain

Price 25 cents per Bottle. Manufactured by

M. ARCHIBALD, Truro. Sold by all respectable traders and druggists.



## 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

RIB - CSILVER ROBBUE." 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, 70 & 72 Barrington St. June 1.

## H. G. LAURILLIARD, TAILOR, GENTLEMEN'S DRESS MATERIALS.

Furnishing Goods constantly on hand Agent for the

NEW YORK FASHION PLATES 231 HOLLIS STREET. HALIFAX, N. S. May 17 .

MUSICAL.

C. E. & G. O. GATES Manufacturer of ORGANS AND PIANOS.

C ENERAL Agents for the Smith Ameri-Can Organ Company, and Henry F. Miller's Pianos. Second hand Pianos and Organs taken in

exchange for new. A practical man will travel over the Province twice a year, for the purpose of tuning, repairing, and taking orders. Instruments warranted for 5 years. Melvern Square, Wilmot, N. S. June 18.

## THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms-Two Dollars a year, when paid in acvance; if payment is delayed over three months \$2.25 when over six months \$2.50. Subscribers beyond the Dominion of Canada, must send in addition to the above, 20 cents a year for prepayment of postage.

ADVERTIZING at usual rates. STEPHEN SELDEN, Proprietor. OFFICE No. 71 GRANVILLE STREET, HALIFAX, N.S.

PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms.

Magistrates Blanks always on hand.

" YE Ye are my Unto his lit A holy chu And built o

This earth Yea, time But you're And grave Ye are my Though tr For I thy By me tho

I am your And follow Count all To servely Ye are my I freely sl Come tast And his's In every t

To me yo

Come pro

To keep t Hartfor "... For if I come."-Love, lik sig

The swee

Till fadin

A flood o

TIThat (1 Cor.

the rel

tions,

Lord.

of Chr

There

are co only u on the workin derly, Upo the sal The lif its hes His su eake, promp though ligious at one son ar the Sp

and o filleth nouris pressi alike. The manif let no chure and p spirit

the w

" God

Th differ same not d himse work ent co lation equa his m

provi and | terns

A organ

ition