# Agriculture.

STARTING FLOWER SEEDS.

There is nothing like loving them to coax flowers to grow. Some old ladies seem to quicken the sap in drooping plants the moment their kind hands touch them. They give them their hearts and so a thoughtful quick-witted care, and their fuchsias are always the largest and their pinks the sweetest. Beginners are often troubled at the outset to get seeds to germinate. Some will grow anywhere. Others need tenderer care, and for them we have these directions from an experienced hand. If you have no loam laid away for this purpose, take, any warm day, the upper surface of loam from your richest garden beds. Bake it in your oven in an old tin pan ; when so dry as to crumble in your hands, add one-third white sand. Now fill your pots, boxes, or pans with the mixture. The pots made for planting seed, with large holes for drainage are the best; but salt, raisin of eigar boxes will answer. Fill to the brim with heated soil, press down firmly, and, while milk warm, plant your seed. If large enough, place them in one at a time, about one inch apart; if very small, like petunias, sprinkle over the soil, press them in gently with the hand, then sprinkle on sand. Take a piece of any old flannel, double it, and lay it on the seeds, pressing it down at the corners; then water with lukewarm water over the flannel. Put your pots or boxes in some warm place, on the shelf of a range, or a mantle piece. The kitchen hob is the best place, for the steam from the kettles keeps the air moist. Leave the boxes there until the seeds begin to push, giving luke warn water over the flannel every day; then put in a sunny window, and, if the nights are chilly, return the boxes to the mantle shelf or back of the range. This way of planting rarely fails; the earth, being warmed through, starts the seeds as well as a hotbed, and the flannel prevents the caking of the top of the soil and also keeps a uniform heat. Of course, the same treatment will be as effectual with seeds for the kitchen garden, though most of them do not need such careful nursing - Exchange.

How TO CHOOSE A GOOD COW .-A writer in N. W. Farmer says:-The crumply horn is a good indication a full eye another. Her head should be small and short. Avoid the Roman nose; this indicates thin milk, and but little of it. See that she is dished in the face-sunk between the eyes. Notice that she is what stock men call a good handler-skin soft and loose, like the skin on a dog. Deep from the loin to the udder, and a very slim tail. A cow with these marks never fails to be a good milker.

TO PLOUGH DOWN GRASS .- To do this effectually is one of the apparent impossibilities of modern farming. Every farmer knows it from experience. Notwithstanding the utmost pains and care in ploughing, the grass, especially if long, will bristle up in beards and tufts here, there and everywhere, injuring alike the appearance of the field and its capacity for growth; for this grass, instead of being visibly present to draw nourishment for itself and impede the growth of something else much more profitable, should be buried beneath the surface to manure the soil and assist in the growth of its betters. Well, do you wish to remedy this great difficulty? If so, use the chain and ball to your plough. No matter what kind of plough you have, try them. A piece of ordinary trace chain will do very well. Fasten one end of it to your coulter, and to the other end attach a round iron tall of from two to three lbs. weight-leaving the chain long enough to permit the ball to reach back to about the middle of your mouldboard, and there let it drag along, on the off side of course.

This is not a new idea, in fact it is a very old one, but like good wine, age only improves it. Just try it once, and we have no fear of your verdict. I may not do the work to absolute perfection, but it will perform it at least fifty per cent. better than you can without it.

A grocer asked an artist 'Is sculp. ture difficult?' The artist replied : Why, bless you, no. You have only to take a block of marble, a chisel, and knock off all the marble you don't want.

The road to heaven is equally short, wherever we die.

BURNED CLAY AS A FERTILIZER .-A correspondent of the Tennessee forty stores in Paris devoted to the sale Advocate says that he sowed a field of of horse meat as an article of food. sixty acres to wheat in 1858, and During 1872, 9,725 horses, 866 asses, tilizer, which he claims is cheaper and 1,113,024 in 1869. more available to most of our farmers than any of the commercial fertilizers.

JAPAN CLOVER .- The following account of this clover we clip from the Mobile Register. This plant, sometimes called Spanish clover, is one of the greatest boons that has yet fallen upon the South, and to whom we are indebted for it is a mystery that, most likely, will never be solved. The same plant grows in Japan. No one has the slightest idea of how it got over from Japan; but the most reasonable conclusion is that the seed was brought across in something shipped from that country. Japan clover is a heavy grower and will hade out almost any grass or other species of growth. I is an air feeder, and therefore does well on almost any character of soil though a rich clay soil suits best. The rapidity with which it spreads is perfeetly astonishing.

#### HIGHLY IMPORTANT TO FARM-ERS AND OTHERS.

NUTRITIOUS CONDIMENT FOR HORSES AND CATTLE .- The b st and most economical Food for Horses and Cattle in existence. Read the following Certificate from Gen. Doyle and Staff:

Halifax, 26th March, 1873. We the Undersigned do hereby certify to the beneficial effects of the North British Cattle Food Company's NUTRITIOUS CONDI-MENT, in our stables :-(Sgd ) Hastings Doyle, Lt.-General.

N. Stevenson, Major, 87th R. I. F. T. R. Stevenson, Lt.-Col., 87th R. I. F. R. F. Robertson, Major, 60th Rifles. A. S. Quill, Brigade Major. R. Nagle, Captain, Town Major. N. W. Wallace, Capt. 60th Rifles, and

numerous Citizens. This valuable Condiment may be had at the Agency, 83 Lower Water St., in bags at prices from \$11 to \$8.00; the \$11 bags contains enough to season 100 feeds for a Horse, Cow, or any other animal.

# Scientific.

### MAMMOTH REMAINS.

In 1872 a party of Americans, led by P. Pavy, left San Francisco to endeavor to reach Wrangle Land in the Arctic Sea. They landed near the mouth of a large river running from the N. W., and, about eighty miles inland, observed many indications of mammoth remains. On clearing away the snow from one of the spots, the whole of a well-preserved animal of this genus was exposed to view. The. head was beset with long thick white hair, and the tusks, eleven feet eight inches in length, were curved backwards towards the eyes. The animal was in a kneeling position, the hinder part of the body being deeply buried in the snow, and in such an attitude as it would take if it had died while endeavoring to extricate itself from the bog. In its stomach was found bark and grass. These remains were distributed for miles over the plain, and were so abundant that it appeared as if a numerous herd had perished there. The place swarms with polar bears, which live upon the bodies .- Geolog. Reichsanstalt, Vienna.

CHEAP CEMENT OF BRICK DUST .--Spanish engineers successfully use ordinary brick dust, made from hardburned, finely pulverized bricks, and mixed with common lime and sand, as a substitute for hydraulic cement. The proportions used in general practice are one of brick-dust, one of lime, and | Sheffield & Wickwire, Canning. two of sand, mixed dry, and tempered with water in the usual way. The addition of even as little as one-tenth as much brick-dust as sand to our ordinary mortars, would prevent the disintegration so generally visible in the mortars used in masonry.

1, 2, 3, 4 CAKE.—One cup of butter, two cups of sugar, three cups of flour, four eggs, nutmeg, one teaspoonful of soda, two teaspoonfuls of cream of

HIPPOPHAGY IN PARIS .- There are ploughed it in with turning ploughs. and 51 mules were consumed by the The yield was eight or ten bushels inhabitants. Les Mondes says that the per acre. In sowing, some grains of animals are prepared for the market in the wheat fell in an old kiln, among the ordinary way, and that the meat the brickbats and burnt earth, and sells for about half the price of beef. produced from thirty to eighty-two The horses are inspected at the slaughhead to the stool; the one that had ter house with the greatest care. It eighty two heads averaged forty grains may be noted as an interesting fact to the head, which made 3,280 grains that hippophagy is decidedly on the from one grain. He mentions this to increase, as 2,408,076 pounds of equine show the effects of burnt earth as a for- meat were eaten in 1872 as against

> TO TELL THE SIZE OF GLOVES .-Take a tape measure and measure your hand around the knuckles. The number of inches and quarters of an inch that it measures is exactly the size of a glove. That is, if it is five inches and three-quarters around, you want glove No. 53.

WHY is a petroleum dealer like an epicare? Because he lives on the fat of the land.

TO CEMENT WOOD TO GLASS .-Make a solution of isinglass in acetic acid so thick as to be solid when cold. Heat this and apply it. This has been tested by fastening the end of a glass tube to pine wood; the wood gave way sooner than the cement.

How to get all the music out of a grand piano-Let a steam fire-engine play on it a few minutes.

"Now, Johnny," says grandma, "I want you to sit just as still as a mouse." "Mouses don't sit still, grandma." Sure enough!

There is an unbroken line of telegraph from America to Australia, a distance of seventeen thousand miles.

Joyful news for the Afflicted,

# GATES'

# Life of Man Bitters.

Mrs. Alice Robinson of Williamston, in the county of Annapolis and Province of Neva Scotia, deposeth and saith that in the year 1840 she was fearfully and distressingl, afflicted with a combination of complaints which altogether rendered her almost helpless, during which time she was treated by one of the ablest physicians residing in the county, and part of the time by two Physicans for about a year, and still was not sensible of any material benefit or relief. And after a time she was recommended to a medicine at that time prepared by Mrs Gates of Wilmet, which in an incredibly short time acted like a charm upon her whole system, and she was entirely cured of all her various difficulties and complaints and remained as she considered a sound and healthy woman for about twenty five years.

Mrs. Robinson further states that in the autumn of 1869 she was taken ill and was under the doctors hands all winter, and in the spring ensuing she was taken with a most obstinate and distressing cough which the Doctor was unable to cure. She was also afflicted with the piles and other troublesome complaints. At length she resolved to apply to Dr. Caleb Gates for assistance and help, and seen found them all yielding to the power and in-fluence of his justly celebrated medicines, and rays she is completely free and curec of all those various difficulties through the kindness and skill of Dr Gates and the efficacy of his most expellent medicine.

MRS. ALICE ROBINSON. Sworn to at Williamston, this 9th day of February, A. D., 1872, before me, JAMES WHEELOCK, J. P. Lunenburg, Nova Scotia >

Sept. 18, 1871. Dear Sir:-Last winter I was so troubled by a severe cough that I feared consumption would ensue. I failed to obtain relief from any source, until I tried your medicine. I now. state on my oath, that one bottle gave me relief. I continually keep it for the use of my family and would not think of being without

Yours most respectfully, GEORGE ARENBURG. Swern before me ene of Her Majesty's Justices of the Peace for the county of Lunenburg. JAMES D. SELIG, J. P. PRICE.

Bitters \$1 per quart : Syrup 50 cents per pint bottle ; Liniment 20 cents per bottle and the ointment 30 cents per box. Address CALEB GATES & CO., Farmington. Wilmot, Annapolis Co. A large number of certificates, similar

to the above, have been received and will be published at times for the information of the afflicted and the people generally. John Webb, Windsor. J. E. Newcomb,

Hantsport. J. L. Cogswell, Kentville. GENERAL AGENT, JOHN K. BENT. 126 Granville Street, Halifax. May 21.

To Parents and Sabbath School Teachers.

JUST PUBLISHED. SECOND EDITION-REVISED.

A SCRIPTURE CATECHISM. for the Family, the Bible Class, and the Sabbath School, BY S. SELDEW.

Price 8 couts or \$6.00 per 100.

HALIFAX, N. S., JUNE 4, 1873.

### MESSENGER ALMANACK.

JUNE, 1873.

First Quarter, June 3rd, 2h. 5m morning. Full Mcon, " 10th, 5h. 47m. afternoon. " 17th, 11h. 17m morning. Lust Quarter, New Moon, " 24th, 4h. 58m, afternoon. Day SUN. MOON. High Tiu

×	Wk	R	ise	80	ets	Ris	es	Sot	ith	86	tali	it Halita.
1	SU.	4	21	7	.4	10	6	5	19	0	5	11 51
2	M	4	21	7	35	11	9	6	2	0	32	morn
3	ſu.	4	20	7	36	A.	12	6	43	0	55	0 38
4	W	4	20	7	37	1	13	7	23	1	14	1 34
5	Th	4	20	7	37	2	17	8	4	1	33	2 41
6	F	4	19	7	38		23	8	47	1	51	8 45
7	Sa.	4	19	7	39	4	20	9	33	2	11	4 42
8	SU.	4	19	7	39		41	10	21	2	34	5 35
9	M	4	18	7	40	6	35	11	16	3	1	6 21
10	Tu.	4	18	77777	41	8	3		rn	3	35	7 2
11 12 13	W	4	18	7	41	9	13	0	13	4	23	7 45
12	Th.	4	18		42	10	10	1	14	5	15	8 27
13	F.	4	18	7	42	10	57		14 17	6	24	9 10
14	St.	4	18		43		33	3	18	7	39	9 56
15	SU.	4	18	7	43	m	rn	4	15	8	57	10 42
16	M		18	777	43		1	5	8	10	15	11 35
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18	W	4	18	777777	44	0	48		47	A.	46	1 35
19	T	4	18	7	44		11		34	1	57	2 43
20	F	4	18	7	45	1	34		22 11	3	10	3 46
21	Sa		18	7	45		59		11	4	23	4 47
22	SU.	4	18	7	45		30		3	5	36	5 47
23	M	4	19	7	40	3	. 6		55	G	44	6 40
21	Tu.	4	19		45		53		50	7	47	7 30
25	W	4	20		.6	4	49		45	8	42	8 14
26		4	20		45		47		37	9	27	8 55
27		4	21	7	45	6	49		27	10	0	9 35
28		4	21	7	44		54		14	10	34	10 12
29		4	22		40		58		58	10	58	10 49
30		4	22	7	45	9	59	4	39	11	19	11 26
	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 Annapelis, 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.

OR THE LENGTH OF THE NIGHT -Subthe time of the sun's setting from 12

# Landah Berke B

WINDSOR & ANNAPOLIS RAILWAY CONDENSED TIME TABLE.

DECEMBER, 1872.

HALIFAX TO ST. JOHN.

Milcs.	STATION	Exp	Pass.		Ps.			
1		_		A. M.			P.	
	Halifax-	Leav		8.00	8	40	3.	
	Bedford	**		8.24	9	17	3.	
13	Wind, Junction	**		8.40	9	45	3.	
26	Mount Uniacke	++		9.18	10	40	4.	38
39	Newport	**		10.00	11	33	5.	33
45	Windsor	"	• •	10.20	12	.20	6	10
	Hantsport	- 11		10.40	12	.40	6	40
	Wolfville	-		11.10				46
ALTONO DE LA CONTRACTOR	Kentville	**		11.40				
82	Berwick			12.12	3	40		1
	Avlesiord	. 41		12.25	4	12		
	Middleton	44		12.58				
	Lawrencetown	-		1.15				
	Bridgetown	44						
	Annapolis-arri	ve.		2.16				

# ST. JOHN TO HALIFAX.

190 St. John by Steamer .... 8.00

M.ile	STATION	-	Exp.	Pass.	Pass.	
-dini	St. John by Ste	eamer.			А. М.	
0	Annapolis	Leave			8.15	2.20
	Bridgetown	. **			9.00	- U
	Lawrencetown	**			9.40	3.15
28	Middleton	11			10.07	
42		- 11			11.15	4.10
	Berwi k	44			11.35	4.21
	Kentville	**		7.30	1.00	5.00
66		**		7.58	1.32	5.21
	Hantsport	-11		8.33	2.15	5.50
84		**		9.20	3.00	6.10
90		11		9.56		6.28
-	Mount Uniacke			10 48		7.07
	Windsor June.			1 1 4 8		
	Bedtord	44		12.08		
	Halitax-Arriv			12.30		

N. B .- The Express Trains run on Monday, W duesduy, and Saturday only. Steamer "Scud" leave St. John on Monday, 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 every

Thursday at 8 a. m., for Eastport, Portland, European and North American Railway Trains let ve St John at 8.00 a. m. and 3 p.m. for Woodstock, Fredericton, St Stephens, Ban-

gor, Pertland, Boston, and all parts of the

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

P. INNES, Kentville, 16th Dec., 1872.

## H. G. LAURILLIARD, TAILOR.

GENTLEMEN'S DRESS MATERIALS,

Furnishing Goods constantly on hand Agent for the

NEW YORK FASHION PLATES, 221 HOLLIS STREET. HALIPAX, N. S.

#### NOTICE.

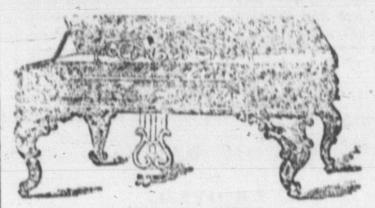
THE Subscriber offers for Sale his well 1 known Farm, Situate in Wilmot, County of Annapolis, on the North back road, about one half mile east from the Wilmot Spa Springs, and about one and a half miles from the Rairo d Station. Said farm contains 125 acres of very valuable land, advantageously divided into Hay, Pasture, and Woodland. The hay and tillage land are under a superior state of cultivation, the pasture is of an excellent quality, and wood lot sufficient to supply a family for genera-tions to come. On the Farm is a comfortable House of Size and accomodations to suit a large family. Also 2 good Barns, with other convenient out buildings all in good state of repair. An abundant supply of water is carried into the House by pipes from a never failing Spring, and also taken for the use of the barn.

There are about 100 grafted apply trees producing from 60 to 200 barrels annually. This property is so well known that further particulars are unnecessary.

The terms of payment will be made easy, only a small proportion will be required down, with good and approved security for the remainder.

The stock and farming utensils can be had by a purchaser of the farm if required. For further particulars apply to the owner on the premi es,

GEORGE BALLENTINE. Wilmot, County of Annapolis, ( January 22nd, 1873.



### Superior Pianos,

IN VARIOUS STYLES UPRIGHT, OBLIQUE, SQUARE, Fite. With all the latest improvements, manufactured by the subscribers, and especially adapted to this climate. An assortment of

THE "SILVER REVER"" A very fine toned CABINET ORGAN, to the remainder add the time of by Carhart and Needham, N. Y. The above are offered to a discriminating

public at moderate prices, WM. FRASER & SONS, 70 & 72 Barrington St.

## FARMERS! ATTENTION!!

THE SUBSCRIBER has been appointed Agent for the sale of E. FRANK COE'S

AMMONIATED BONE SUPERPHOSPHATE.

During the past ten years he has used Guano and other Commercial Manures, and has obtained the best results with the above Superphosphate and can confidently recommend is to Farmers and Gardeners and being a valuable and reliable article from 250 to 400 lbs, being sufficient to manure an acreand is suitable for all crops. It is put up in Bags of 150 lbs. and Barrels of about 250 lbs.

Price \$50.00 per ton. Pamphlets giving full description and directions will be mailed to any address on appli-

W. M. RAND, Agent, Upper Canard, Cornwallis, Or. GEO. V. RAND, Wolfville. April 26th, 1873 April 30.

#### THE RESERVED THE PROPERTY OF Intercolonial Railway.

TENDERS marked "Tender for Station House Valley," will be received by the undersigned at Moneton, N. B., until THURSDAY, 8th May next, for the erection

Combined Passenger and Freight House at Valley Statiou.

A Plan and Specification of the work may be seen at the Railway Office, Truro, where printed forms of Tender may also be obtained. I he names of two parties willing to become sureties for the fu filment of the contract must be given in each tender. The Department does not bind itself to aecept the lowest or any tender received. LEWIS CARVELL,

General Superintendent. Railway Office, Moneton. N. B., ? April 24th, 1873.

# FANCY SALE AT ANTIGONISH.

HE Ladies of the Antigonish Baptist Sewing-Circle intend holding a Sale of Fancy Articles early the ensuing Summer for the purpose of aiding in the erection of A NEW BAPTIST MEETING HOUSE

Contributions to the Fancy or Cash department, will be most thankfully received by either of the following Committee. Mrs. F. Cunningham, Mrs. T. M. King, Mrs. C. B. Whidden, Mrs. I. F. Robb, Mrs. J. B. Me-Quillin, Antigonish. Miss Maggie Hill, Sydney, Miss Fannie King, Truro, Mrs. Reubem Hart, Halifax. Antigonish, March 22nd, 1873.

April 2.

## THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms-Two DOLLARS a year, when paid in anvance; 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. Ospica No. 71 Granvilla Stratus. HALIPAR, N.S.

PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms. Magistrates Blanks always on hand

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