Agriculture.

HOW TO GROW CARROTS.

Plough early in spring, four inches deep. Harrow well and roll or bush down; let the ground lie till after the middle of May; plough again as deep as your team is able to draw the plough. Harrow and roll as before. Have the ground in perfect order, no lumps and as few stones as possible. About the twentieth of May, lay out your field in drills, 21 feet apart, straight and uniform. Use a small, one-horse plough; four inches is deep enough. Spread in the drill a small quantity of well-rotted manure, or other fertilizer; close your drill with a coverer, or plough, leaving a mound with a level surface ready for the seed sower. Regulate the seed-sower so as to drop the seed from one-half to one inch apart; one-half lb. of seed is enough for an acre.

Before starting the sowing, spread a little guano or phosphate on the top of the drill, very light in the centre where the sower will come, and the seed will find it early. With a careful haud, proceed with the sowing, observing at each end if the drill drops the seed. When up, so that the rows can be seen-say one-half an inch highgo into the field with a steady horse. that will go slow attached to a horsehoe or cultivator; run light and very close. If the machine don't work well alter it in some way so that it will.

For a number of years I have had no difficulty in raising an abandance of carrots in this way. It requires a little patience and perseverance. The labor is light and cheap. On ordinary land carrots want but little manure. think the top dressing before sowing almost necessary to insure a a crop. My best crops have been on potato ground, and where carrots have been grown several years in succession. My yield is generally about 15 tons per acre. They will always pay better than potatoes, and can be raised and handled with less expense; and if our horses could speak, we should receive more thanks for raising them .- Rural New Yorker.

CORN-COB MEAL FOR STOCK,-We have fed a great deal of corn and cobmeal to both horses and cows, and never discovered any injurious effects from it. Our own opinion, is however, that it does not pay to grind cobs with the meal to feed horses. We had rather feed the corn meal alone with hay or steamed straw; but we had rather have the corn and cob meal for milch cows. We believe the distention of the stomach which is produced by feeding the ground cob with the corn meal is an advantage over feed. ing clear meal. Some dairymen claim that milk is largely increased by feeding boiled cobs to cows. We once heard a farmer of considerable experience say that he believed sixteen quarts of beiled cobs equal to four quarts of corn meal as a milk producing feed. We shall be glad to publish the experience of others in response to our correspondent's inquiry.-Rural New Yorker.

ESTIMATED VALUE OF SOOT .-- A genuine economist claims that one of the best fertilizers, going constantly to waste, is soot. "It is as valuable as guano and should be carefully saved at least twice a year. You will find soot contains a large amount of ammonia, and on this account is very beneficial to nearly all kinds of plants. Apply it to the soil about the roots and not to the leaves or stems; or twelve quarts of soot dissolved in a hogshead of water makes an elegant liquid manure."

AN ESTABLISHED FACT !!!-One year's trial has proved the wonderful benefits arising from the use of the Nutritious Condiment of "THE NORTH BRITISH CATTLE-FOOD COMPANY OF LONDON AND GLASGOW," hundreds throughout this Province who have used it, testify that it is decidedly the best thing for seasoning the food of animals, especially Horses, Cows and OXEN, during this season of the year, it is also the cheapest-one cent's worth seasons one meal, and effects a saving of twenty-five per cent, on the ordinary food Get a small bag, and try it, and you will be satisfied. Sold in bags, at \$14, \$21, \$41, and \$8-a Pamphlet with full directions for use in each bag.

Address, GEORGE FRASER, Manager, North British Cattle Food Co., 83 Lower Water Street, Halifax, March 26.

Scientifir.

FAT AND LEAN. Meat eaters and vegetarians show in their persons the effects of the diet. The first has the most brain force and first of June to the fifteenth of October nervous energy. A mixed food of and all taken from one-fourth of an animal and vegetable rations developes | acre of ground. She has averaged

ARTIFICIAL EYES .- A French paper gives a detailed account of the manufacture of false eyes in Paris, from feeding .- Ex. which the curious fact appears that the average sale per week of eyes intended for the human head amounts to 400. One of the leading dealers in this article carries on the business in a saloon of great magnificence; his servant has but one eye, and the effect of any of the eyes wanted by customers is conveniently tried in this servant's head, so that the customer can judge very readily as to the appearance it will produce in his own head. The charge is about \$10 per eye. For the poor there are second-hand visual organs, which have been worn for a time, and exchanged for new ones; they are sold at reduced prices, and quantities are sent off to India and the Sandwich Island.

in Science .- Scien. Am.

A PETITION AGAINST RAILROADS .railroad, addressed to a Connecticut Legislature forty years ago, has lately been unearthed. Among the objections urged against the proposed innovation was this final one: "The danger to life which arises from the extensive use of them [railroads], from their liability to get out of repair, is much more serious and alarming than has been supposed." Having read the papers of the last few days, we are dispose to treat this particular objection with sincere respect. The old petititioners may have been a little too prudent, but they were not altogether blind

A CHILL CURE. - A new cure for ague is given in a Terre Haute (Ind.) paper. The writer says to those afflicted with ague, crawl down stairs head foremost. Laugh at the idea, if you please, but do your crawling first, you can then afford to laugh. Just as the chill is coming on, start at the top of a long flight of stairs, and crawl down on your hands and feet, headforemost. You never did harder work in your life, and when you arrive at the botton, instead of shaking, you will find yourself puffing red in the face, and perspiring freely, from the strong exertion made in the effort to support yourself. Try it. It won't cost you near as much as quinine or patent medithey do every day.

CURE FOR RHEUMATISM .- Boil a small potful of potatees, and bathe the part affected with the water in which the potatoes were boiled, as hot as can be applied, immediately before going to bed. The pain will be removed or at least alleviated by the next morning. Some of the most obstinate rheumatic pains have been cured by one application of this novel and simple remedy. So says an exchange.

The Canadian way of measuring a tree is said to be as certain as it is grotesque. You walk from the tree, grotesque. You walk from the tree, looking at it from time to time between your knees. When you are able to see the top in this way, your distance from the root of the tree equals its height.

Fruit Stocks of all kinds; Hedge Plants, &C.; the most complete assortment in the country, will be sent gratis to any plain address, with P. O. box. True Cape Cod Cranberry for upland or lowland, \$6 per 1000; \$1 per 100; prepaid by mail. Trade List to dealers. Seeds on Commission. Agents wanted.

A MAN recently knocked down an elephant. He was an auctioneer.

HOW LITTLE LAND WILL KEEP A cow .- On the first day of June last I commenced cutting clover for one cow confined in a yard, enclosed by a high, tight board fence, with a stable attached in which she had been fed. She had no feed but fresh clover from the the highest intellectual powers. A eighteen quarts of strained milk per strictly vegetable living ordinarily day, from which my wife has made gives a fair complexion, and amiability | eight pounds of butter per week, durand extreme pugnacity when the vege- ing the four and a half months. The tarian's views in regard to that one cow is five years old, and is a cross of engrossing thought of his life are dis- the Ayrshire and Durham. She has cussed. They are annual-meeting re- given more milk, more butter, and of formers, without ever setting a river a better quality, than she has ever on fire. Arabs are a sober, frugal race, done on pasture. On one-eighth of an rather slender, not tall, conscientious acre I have raised one hundred and and contentious on religious subjects. fifty bushels of sugar beets and carrots, They largely subsist on rice, pulse, which, with the two tons of hay, will milk and keimae, something similar to keep her handsomely the balance of whipped cream, through a vast region | the year. The labour of cutting clover of arid country where they are indi- for the cow is less than driving her genous. They are not destitute of three fourths of a mile to pasture. In mutton, goats, camels and game; but the dairy districts the usual estimate they manifest no disposition to feed is four acres to the cow, on the hay upon meats, as is necessary in temper- and pasture system; whereas, by soilate zones or in high northern latitudes. | ing and raising roots, five-eights of an An intellectual man, one of their acre is found to be sufficient. I will kindred, who rises to distinction by the state further, what I believe from grandeur of his mental status, is ex- nearly thirty years experience is, that tremely rare. The beer and ale drink- there is no crop so valuable for selling ers expand and grow fat, but they are as clover-no crop, so many pounds not much given to profound researches of which, and of equal value for milk and butter, can be produced from an acre of ground. Sweet corn is a good crop for late feeding, where clover will not grow, but not profitable for winter | than at Halifax. At Charlottetown, 2 hours

Joyful news for the Afflicted,

GATES' Life of Man Bitters.

CALEB GATES, Esq.,

Dear Sir,-I feel it my duty to send you the following information, both from gratitude to you and for the benefit of those suffering as I was in the winter of 1865. I was taken with jaundice. I was recommended to take such a medicine and I would soon be well. I took almost everything that was recommended but grew worse. In February of 1866, I was confined to my bed; then the physician was sent for, he gave me some medicine and said I would come round soon, but I still grew worse, and soon was almost helpless; the case grew more serious and the Doctor said it was Chronic Liver Complaint. It would be impossible for me to describe my suffering for seven months Many a time I prayed to die. I became a skeleton, no living being could be more so, every thing that medical skill could do was done, to no A petition against the building of a purpose. At last the Doctor said he could do no more, my case was beyond reach, the neigh bors and friends came to see me die, weeping at the bed side, nothing to look for but death I had read in the Western News, of a lady getting cured of the Liver Complaint by using Gate's medicines. I told mother I wanted my husband to go and precure the medicines and I commenced to take them for three or four weeks. I voicited almost constantly and then the vomiting ceased. I soon began to feel better. My spa ms less severe and not so often ; in about eight months I could stand on my feet and walk a few steps. I gained strength quite fast and am now able to do considerable work, my appetite is good, sleep well and feel well, for which I feel devoutly thankful to God. And I think I would be doing you injustice if I did not send

MRS MATILDA ROCKWELL. Personally appeared before me and maketh oath to the above certificate. ALBERT BECKWITH, J. P. Cornwallis, March 23, 1870.

This is to certify that George A. Parker, of Annapolis in the County of Annapolis and Province of Nova Scotia, maketh oath that he has been afflicted for about six months with Dyspepsia in its severest form and also with disease of the Lungs, and has tried different phy sicians and found no relief and very little or no encouragement, and finally using Mr. Caleb Gate's medicines and using it about two months, is now healthy, well, and strong and would thus wish to make known to suffering humanity the healing virtues of such a boon.

Sworn to at Wilmot, this 4th September, 1866, before me JAMES WHEELOCK, 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 cines, and if it fails it will only do what to the above, have been received and will be published at times for the information of the

afflicted and the people generally. AGENTS .- George V. Rand, Wolfville. John Webb, Windsor. J. E. Newcomb, Hantsport. J. L. Cogswell, Kentville. Sheffield & Wickwire, Canning.

GENERAL AGENT, JOHN K. BENT. 126 Granville Street, Halifax. Feb. 26.

Seeds, Plants, Trees,-prepaid by Mail.

MY new priced descriptive Catalogue of Choice Flower and Garden Seeds, 25 sorts of either for \$1; new and choice varieties of Fruit and Ornamental Trees, Shrubs, Ever-greens, Roses, Grapes, Lilies, Small Fruits, House and Border Plants and Bulbs; one year grafted Fruit Trees for mailing; Fruit Stocks of all kinds; Hedge Plants, &c.;

H. M. WATHON, Old Colony Nurseries and Bood Warehouse, Ply-month, Mass. Established 1842. March 19.

HALIFAX, N. S., MARCH 26, 1873

MESSENGER ALMANACK.

APRIL, 1873. First Quarter, April 4th, 2a. 22u. atternoon. " 12th, 5h. 37m. afternoon. Full Moon,

Lu	st Qu	00	ter n,	•	"	2 2	Oth 6th	, 1	h. 3	33m 28m	. m	terno	og.	
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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, 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 -Subtrue the time of the sun's setting from 12 hou. and to the remainder add the time of

WINDSOR & ANNAPOLIS RAILWAY CONDENSED TIME TABLE.

DECEMBER, 1872.

HALIFAX TO ST. JOHN.

Milcs.	STATION	Exp.	Pass.		Ps		
- 1		0 0	1	A. M.	A.	M.	P. M.
0	Halifax-	Leav					
8	Bedford	* **		8.24			
	Wind. Junction	16		8.40			
26	Mount Uniacke	- 65		9.18			
	Newport	"	••	10.00	11	83	5.33
.45	Windsor	11		10.20			
	Hantsport	11		10.40	12	. 60	6 40
	Wolfville			11.10			
	Kentville	. "	••	11.40	1 2	.40	
82	Berwick	44	00 0	112.12	3	40	
	Avlesiord	61		12.25	4	12	
	Middleton	44		12.58			
	Lawrencetown			1.18	5 5	25	1
	Bridgetown	44			6	00	
129	Annapolis-arr						

190 St. John by Steamer ... 8.00

ST. JOHN TO HALIFAX.

Exp. Pass. Pass. STATIONS. St. John by Steamer ... | 8.00 Leave... 8.15 2.20 0 Annapolis 9.08; 2.55 14 Bridgetown 9.40 3.15 22 Lawrencetown 10.07 3.32 28 Middleton 42 Aylestord 11.35 4.21 47 Berwick .. 7.30 1.00 5.00 59 Kentville .. 7.53 1.32 5.21 .. 8.33 2.15 5.50 66 Wolfville 77 Hantsport

.. 12.03 5.55 8.00 121 Bedford 129 Halifax-Arrive..... 12.30 6.25 8.25 N. B .- The Express Trains run on Monday, W duesday, 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., tor Eastport, Portland,

84 Windsor

103 Mount Unlacke

116 Windsor June.

90 Newport

European and North American Railway Trains les ve St John at 8.00 a. m. and 3 p.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 in 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, Kentville, 16th Dec., 1872. Munager.

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.

CALCULIFUGE. MARGESON'S

This valuable Medicine is now before the public. Sure cure for the Gravel, Stone in the Bladder, and all diseases of the Kidney; in some cases it has cured the Kropsy-the worst or weakest case may use it; perfectly vegetable and in almost all cases it is a sure remedy. Try one bottle. Over 200 cases have been cured in Halifax. It is equally effectual with cattle or Horses, if taken in large quantities. Directions for use will be found on the wrap-

Sold wholesale by Avery Brown & Co. R. C MARGESON & CO., Halifax.

Halifax, December 5th, 1872-

R. C. MARGESON & Co. Dear Sir:-Having been affected with Gravel and finding that the doctors could do nothing for me, I was induced to buy your medicine called Calculifuge, I am happy to say after the second trial I was perfectly cured. Recommending it highly to any fellow sufferer with the same complaint. I remain, your

EDWIN F. CUTLIP.

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I'v

R. C. MARGESON & Co.

humble servant,

Dear Sir,-I feel constrained to make you my acknowledgement for benefit received, as follows: My horse was suffering from suppresion or the urinary organs, and was, in consequence, suffering considerable pain ; I was recommended to try your Calculifuge; I procured it and gave a strong dose, and am happy to say it had the desired effect in a complete

> Yours, with regard, J. B. SMITHERS.

Dec. 13.

PARKS COTTON WARP. WHITE, BLUE, RED, ORANGE & GREEN.

Nos. 5s to 10s.

WARRANTFD to be full LENGTH and WEIGHT, STRONGER and BETTER in every respeet than any other English or American Beware of Imitations,

none is genuine without our name on the

FOR SALE BY ALL DEALERS. WM. PARKS & SON,

New Brunswick Cotton Mills, ST. JOHN, N. B. Dec. 18.

Hats and Caps.

WE have now on hand a full Stock of all kinds, including the

NEWEST STYLES, 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.

British American Book and Tract Depository,

63 GRANVILLE ST., HALIFAX, N. S, Constantly on hand a good supply of Standard Religious, Theological and S. S. Books, Illustrated Papers, Reward Cards, Tracts, &c.,

The following are offered at about one-third less than the publishing prices in London, in order to extend their circulation as widely as possible. Many of them have ben extensively owned by the Spirit of God in the salvation of souls.

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each when ordered by mail. Price. Postage. Personal Religion; Will You Consider it. Boardman .. \$0.25 God's Way of Peace. Bonar. 025 Pilgrim's Progress. Bunyan. 025 Way of Life. Hadge..... 025 Guide for Young Disciples. Pike 0.25 Saiuts' Rest. Baxter 0.25 Golden Treasury. Bogatzky. 0.25 Rise and Progress of Religion in the Soul, Doddridge ... 0.20 0 04 Early Religion. Pike 0 20 Early Piety. Pike 0.20 Call to the Unconverted Baxter 0.15 Anxious Inquirer. James... 0.15 9.20 3.00 6.10 9.56 3.27 6.28 10.45 4.35 7.07 11.45 5.35 7.45 Blood of Jesus..... 0.20 Christian Hero : Life of Robert Annan 0.20

Come to Jesus, by Newman Hall, 64 pages, The Sinner's Friend, by John Vine Hall,

Postage on the two last at the rate of 8 cents for 12 copies.

July 31.

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A. MCBEAN, Secty.'

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H. K. Anderson, P. O. Box 360, Montreal, P. Q. Dec. 11.

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