Agriculture.

THE CURRANT.

The red and white currants bear. like the gooseberry, on wood not less than two years old, and therefore the same system of pruning may be applied to them. The most convenient and easily managed form in which they can be grown, is that of a bush or small tree, with a stem of three to six inches high, and a head composed of a certain number, say six or eight principal branches, situated at equal distances, and not nearer to one another at the extremities than six or eight inches.

These branches are produced by cutting back the young shoots found on the nursery plant, as recommended for the gooseberry. They are afterwards annually shortened to produce lateral branches, when wanted, and fruit spurs. Care must be taken not to rrune too close, as this causes the buds on the lower part to make wood instead of fruit spurs: one-third, and in many cases one fourth, will be quite sufficient.

The Currant as a Pyramid. - The currant is very easily formed into pretty pyramids. The mode of conducting them will be similar to that recommended for other trees.

A good, strong shoot must first be obtained to commence upon; this is cut back, and laterals produced, as though it were a yearling cherry tree. Summer pruning and pinching must be duly put in practice, under any form to keep up an equality of growth among the shoots, and to check misplaced and superfluous ones. This will obviate a great deal of cutting at the winter or spring pruning. Mr. Rivers, in his "Miniature Fruit Garden," says :- " A near neighbor of mine, an ingenious gardener, attaches much value, and with reason, to his pyramidal currant trees; for his table is supplied abundantly with their fruit till late in autumn. The leading shoots of his trees are fastened to iron rods; they form nice pyramids about five feet high; and by the clever contrivance of slipping a bag made of coarse muslin over them as soon as the fruit is ripe, fastening it securely at the bottom, wasps, birds, flies, and all the ills that beset currants are exclud-

The Current as an Espalier.—It is sometimes desirable, both to economize space and to retard the period of ripening, to train currants on a north wall or trellis; and this is very easily done with success. We have seen the north side of a neighbor's garden fence completely covered with currants without any system whatever being pursued in laying in the branches. The plants were about five feet apart, and the branches were fastened to the wall in a sort of fan form. The proper way to treat the currant as an espalier is, to produce two strong branches on a stem six to twelve inches high. These branches are trained out in a horizontal manner like two arms, one on each side; and from the shoots they will produce, as many as are to be had at a distance of six inches from one another are trained in an upright position, as in the grape vine.

These upright shoots are managed in the same way as the branches of a bush; they are annually shortened back a little to insure a good supply of fruit buds.

The Black Currant produces its best fruit on the wood of the preceding year, therein differing from the others. In pruning it, the young wood must be preserved, and branches that have borne must be cut back to produce a succession of new bearing wood, as in the filbert.

Manuring .- No other fruit tree is so patient under bad treatment as the currant, and yet none yields a more prompt and abundant reward for kindness. In addition to the annual pruning described, the bushes should receive a dressing of old, well-prepared manure, two or three inches deep, spread all over as far as the roots go, and forked lightly in. It is a great feeder, and, without these annual dressings, the soil becomes so poor that the fruit is really not worth gathering.—Barry's Fruit Gar-

THE HEALTH OF POULTRY .- The essentials to the health and well-being of poultry-so far as accomodation is concerned—are very few and very simple; but it is essential to see that they really are provided, in proper proportion to the size and number of

of the birds. Pure air, and shelter from wind and weather, are all that is required, whether the establishment covers acres or is confined to a few square feet. Pure air, of course, implies both proper cleanliness and proper ventilation; and good shelter implies a retreat dry under foot as well as above, which must also be open to the light, or the fowls will not resort to it. Lut unless the whole establi-hment be on a considerable scale, large and expensive houses are neither necessary nor desirable; and any amateur at all accustomed to. the use of tools may do-as we and many others have done-the whole of the work of his fowl house with his own hands. Indeed we strongly advise this where possible; for it will not only benefit both the health and the pocket of the proprietor, but will give him a deep and lasting interest in the undertaking, which will of itselt go a long way to command success .- Illus. trated Book of Poultry.

Scientific.

A SMALL MOTOR has been brought out by a French engineer, having a capacity from one to four-fifteenths of one-horse power. The engine is heated by a gas jet, the boiler being vertical. It can be set anywhere in a room, connected with a gas-burner The boiler is large, so as not to require being fed of ener than once in four hours, even when in constant than at Halifax. At Charlottetown, 2 hours use, and holds only four gallons. By a peculiar arrangement the speed of utes later. the machine is made to enlarge or contract the volume of the flame, and thereby regulate the production of steam to the amount of work done. When the machine is at rest, the flame is so reduced as to merely keep the steam at a low pressure. The same device also acts as a safety-valve. Explosion would be next to impossible. The engine and boder weigh only 200 pounds, is 33 inches high, and costs in Paris but \$100.

COLD ALCOHOL will dissolve three hundred times its own volume of sulphurous gas; and a fluid possessing such powers of concentration cannot but be as efficient for disinfecting qualities as it is portable and convenient. A few drops of the sulphuretted alcohol in the bottom of a trunk will disinfect any clothing that may be put into it: and fungous germs, such as must be in casks, &c., may be destroyed by the use of a very small quantity.

THE LONDON CRYSTAL PALACE AQUARIUM is 400 feet long and 70 feet broad, and the total capacity of all the tanks is 200,000 gallons of water, weighing a million pounds. Of sea-anemones alone there are already in the Aquarium over three thousand specimens. The flower-like animals, being deprived in their captivity of the ocean currents which bring them their food, have to be fed at frequent intervals, each having given to it a morsel of food suited to its size.

To KEEP FISH FRESH .- A method adopted in Portugal for preserving fish consists in removing the viscera and sprinkling sugar over the interior, keeping the fish in a horizontal position, so that the sugar may penetrate as much as possible. It is said that fish prepared in this way can be kept completely fresh for a long time, the savor being as perfect as if recently caught. Salmon thus treated before salting, possess a much more agree- facture ble taste, a tablespoonful of sugar being sufficient for a five pound fish .-Rural New Yorker.

The finest specimen of BRUSSELS LACE is so complicated as to require the labor of seven persons on one piece, and each operative is employed at distinct features of the work. The thread used is of exquisite fineness, which is spun in dark underground rooms, where it is sufficiently moist to prevent the thread from separating. It is so delicate as scarcely to be seen, and the room is so arranged that all the light admitted shall fall upon the work.

The deepening of the Illinois Canal promises to stock the Illinois and its tributaries with many, if not all the varieties of fish found in the great lakes. Already white-fish have been caught there, and from one of them a gentleman procured the ova or spawn, from which he has hatched several hundred thousand young fish, which are doing well and promise to survive.

HALIFAX, N. S., JUNE 12, 1872.

MESSENGER ALMANACK.

JUNE, 1872.

New Moon, Jane 5th, 11h. 9m. afternoon. First Quarter, " 14 h, 3h. 5m. morning. Full Mcon, "21st, 2h. 43m. morning. Last Quarter, "27th, 5h. 13m afternoon.

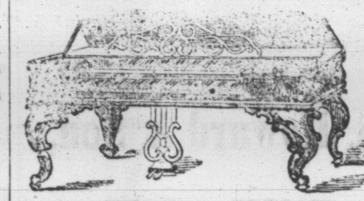
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3	M		20	7	36	3			- 1				6	
4	Tu	4	20	7	37	3	31	10	47	6	3			45
5	W	4	20	7	37	4	3	11	35	7	7			29
6	Th.	4	19	7	38	4	40	A.	24	8	8		8	8
7	F	4	1:	7	39	5	23	1	14		5		8	43
8	Sa .	4	19	7	39	6	14	2	4	9	54		9	19
9	SU.	4	1,8	7	40	7	10	2	54	10				54
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	М				45		9	3	6	7	39		9	44
25	Tu	4	20	7	45	11	37		3	()	57		10	34
26	W	4	20	7	45	mo	orn	4	55	10			11	
27	Th	4	21	7	45	0	2	5	44	11	26			21
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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 Annapi lis, 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 Yalmouth, 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 or the sun's serting from 12 hours, and to the remainder add the time of rising next morning



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With all the latest improvements, manufactured by the subscribers, and especially adapted to this climate. An assortment of

"STRUER ROMBUR." A very fine toned CABINET ORGAN, by Carhart and Needham, N. Y. The alove are offered to a discriminating

public at moderate prices, WM. FRASER & SONS,

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S. S. "DACIAN," SLIGHTLY DAMAGED.

BLACK CRAPES, **BLACK FRENCH MERINOS**

SMITH BROS.

May 1.

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THE Subscriber begs respectfully to intimate to his Friends, and Public generally, that having fitted up his Establi-hment with the

Latest and most Improved Machinery, and having secured a STAFFOF SUPERI

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BOOTS AND SHOES, at all Prices BOOTS AND SHOES, in all sizes. BOOTS AND SHOE made after the latest 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 Liberal, and we assure them that their interests will receive our best

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

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SECOND EDITION-REVISED.

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

Price 8 cents or \$6.00 per 100.

WINDSOR & ANNAPOLIS RAILWAY.

TIME TABLE No. 11.

COMMENCING 1st MAY, 1872.

Miles.	DOWN TRAINS.	Express. 1st class	Passengers.	Passengers.
	STATIONS.	1	3	5
4 8 11 13	Halifax	a. m. 8 00 3 25	a. m. 7 15 7 25 7 45 7 55 8 05	7. m. 3 00 3 12 3 30 3 40 3 50
16 26	do. depart Beaver Bank Mount Uniacke	8 40 9 20	8 15 8 25 9 30	4 00 4 10 4 50
36 39 42	Stillwater Ellershouse Newport Three Mile Plains Windsor, arrive	9 40 9 50 10 00	0 40 11 00 11 20 11 30 11 40	5 00 5 10 5 25 5 35 5 45
50 52 57 59 60	do. depart Falmouth Mount Denison Hantsport Avonp at Horton Landing Grand Pre Wolfville	10 40 10 50 10 55	p. m 1 00 1 65 1 15 1 30 1 45 2 00 2 05 2 20	6 10 6 15 6 25 6 30 6 50 6 55 7 00 7 10
65 70 75 77 79 82	Port William Kentville, arrive Do depart Coldbrook Cambridge Waterville	11 30 11 40 11 50	2 30 2 50 3 05 3 15 3 25 3 35 3 50 4 10	7 15 7 30
89	Morden Road	10.40	4 20	

94 Kingston..... 12 40 | 4 40

101 Middleton.... 1 00 | 5 10

107 Lawrencetown 1 15 | 5 30

110 Paradise...... 1 20 | 5 40

115 Bridgetown...... 1 30 | 6 00

121 Roundhill 1 50 6 30

129 Annapolis...... 2 15 7 00

190 St. John by Steamer. 8 00

Miles.	UP TRAINS.	Passengers.	Passengers and Freight.	Express, 1st class only.
	STATIONS.	2	4	ti
	St. John, N. B. (by Steamer.)			a.m. 8 00
14	Annapolis		a. m. 6 30 6 50 7 20 7 35 7 50 8 15 8 25 8 40 8 50	p. m. 2 20 2 40 3 00 3 10 3 15 3 30 3 35 3 45
	Aylesford Berwick	•••••	9 05	4 10
50 52 54	Waterville Cambridge Coldbrook Kentville,—		9 35	4 20 4 30 4 40
64	do leave Port William Wolfville	a. m. 6 30 6 45 6 50	10 20 10 40 10 55 11 15	4 50 5 00 5 15 5 20
69 70	Grand Pre Horton Landing Avonport	7-00 7-05	11 30 11 40 11 50	5 25 5 30 5 35
79 82	Hantsport Mount Denison Falmouth Windsor, arrive	7 35 7 45		5 45 5 55 6 00
90 93 96	do depart 3-Mile Plains Newport Ellerhouse Stillwater Mount Uniacke		1 15 1 25 1 40 1 55 2 05 2 45	6 10 6 25 6 35 6 45 7 05
113	Beaver Bank	9 50		7 30
116	Windsor Junction,— arrive		3 40	7 35
118	RANGE TO A STREET OF THE PROPERTY OF THE PROPE	10 35	4 40	8 00

John on Monday, Wednesday and Saturday, at 8 a. m., returning from Annapolis the same

Steamer " Emperor" leaves St. John on Monday on arrival of "Empress" or "Scud" for Yarmouth, Portland, and Boston Steamers " New England," or " New Bruns wick," leave St. J hn on Monday and Thursday mornings, at 8 a. m., for Eastport, Port-

land, and Boston. Trains of the Western Extension Railway les ve St. John at 7.30 a. m. every morning for Woodstock, Fredericton, St Stephens, Banger, Pertland, Boston, and all parts of the United States and Canada. Tickets by above routes to all parts in the

United States and Canada may be obtained at 106 Hollis S'reet, Halifax, at Richmond, and the principal Stations on the Railway. VERNON SMITH, Kentville, 1st May, 1872.

COTTON WARP.

THE COTTON YARN. Manufactured at the

NEW BRUNSWICK COTTON MILLS Has the names of the mills and our name on a printed label on the end of the bundle. WRITE, RED and ORANGE YARN is put up in Blue paper;

BLUE YARN is put up in BUFF paper.

TAll Yarn made by us is warranted of best quality, full weight, and correctly num-

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J. LATHAM & CO., 292 Washington St , Boston, Mass. April 24

AGRICULTURAL IMPLEMENTS.

The perfection of Mowers.

The Meadow King Mower introduced into Nova Scotia last season, by James P. Dodge, is the most perfect Mower ever invented, it will Mow where every other kind has been clugged, the Knives will run in any position, either horozonta or perpendicular. A Sample Machine can be seen at the Subscribers, who is SOLE AGENT for Nova Scotia.

JAMES P. DODGE. Middleton, Annapolis Co. April 13

GATES' LIFE OF MAN BITTERS, FROM THE

Roots and Plants of Nova Scotia,

formerly manufactured by Mrs. Gates, of Wilmot. Who was pronounced incurable of Liver Complaint and Dropsy by many skilful physicians, when procuring several receipts from an eminent French physician, she was entirely cured; and afterwar is cured hundreds of cases for which at first there seemed to be no hope. We offer these remedies to the public through the persuasion of those who at present consider that they are indebted to them for the preser-vation of their lives. Many certificates can be given for the following diseases: - Dropsy, in ics worst f rm; Liver Complaint, Jaundice, Swelling of the Limbs and Face, Asthma, of whatever kind; Dyspepsia, Biliousness, Spitting of Blood, Bronchitis, Sick Headache, Diseases of the Blood, Female Diseases. Running Sores, Rheumatism, Erysipelas.

In cases of lung disease, the No. I Bitters must be taken with No. 1 Syrup, except in weak cases and young children, when No 2 Syrup and No. 1 Bitters must be used. Those suffering from Lung diseases, should not fail to use in addition to the above, Gates' Vegetable Plaster applied between the shoulders and to the throat and chest with Nerve Ointment. In Liver complaint and Dyspepsia, No. 2 Bitters must be taken with No. 1 Syrup.

In bad cases of Dropsy, No. 2 and No. 3, Bitters must be taken with No. 1. Syrup. For Gravel No. 3. Bitters and No. 1 Syrup, together with Gates's Vegetable Plaster and Nerve Ointment applied to the back near the

For pains and Rheumatism in any part of the body, No 1 Syrup, and Gates's Nerve Ointment and Acadian Liniment mixed together applied to the paintul parts.

For sore throat, rub the Liniment and Ointment (mixed together) into the parts affected, at the same time taking No. I Syrup to cleanse

These medicines will be premptly forwarded by the manufacturers when orders are accompanied by the cash. Address CALEB GATES & CO., Middleton, Wilmot, Annapolis Co.

Falmouth Oct. 26th 1869. Dr. Gates. Dear Sir,-In the winter of 1858 my wife was attacked with dropsy affection which threatened a fatal termination, as the best physicians we could obtain failed to afford her any relief, but at last, she became so low, that they said she might die at any hour, after suffering for many months, she was advised to try your medicine, which she did. And by the blessing of God, was soon cured. She has had her health ever since, and been able to attend to her domestic affairs The physicians had abandoned the case as hopeles before she tried your me ticine, which accomplished what they had failed to do

I make this statement from a serce of obligation to you and hoping that it may carry valuable information to others similarly affected. and induce them to use the same means of

I would also add that your liniment and cintment are a most excellent cure for rheumatism, end it is a real charm for the severest headache, and also your Plaster is excellent for lame back and side. I am sir very respectfully,

RICHARD B. LYON.

Bitters \$1 per quart; Syrup 50 cents per pint bottle ; Liniment 30 cents per bottle and the ointment 30 cents per box.

Address CALEB GATES & CO.,

Fa: mington, Wilmot, Annapolis Co. A large number of certificates, similar te 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

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