Agriculture.

BEES.

TO JUDGE THE QUALITY OF HONEY.—Take two bottles of honey from the same comb, seal them up perfectly tight, and keep them both at the same temperature—only one in the sunlight and the other in a dark room, and the former will gradually grow thick and finally assume a semi-crystaline shape, while the other will retain its original fluidity. This is one reason why bees always work in the dark, and why honey should always be kept in the dark or in opaque vessels.

It would be very improper to award a first prize to a jar of honey that had become thickened by the action of light, because it thereby becomes deteriorated. Still, honey, to be superior, should not be very thin. Flavour is also a very important consideration, and must always be required. A good flavoured dark honey may sometimes be superior to a white article which looks much better. The thickness and thinness of honey depend upon the source from which it is gathered, rather than upon the secretive action of the bee, whether we admit that the insect makes or simply gathers it.—*Scientific Press.*

In one country in California there is an apiary of two thousand bee-hives. The Californians have been very successful in importing Italian bees, which have thus far proved to be the best honey-makers.

PRESERVING FARM TOOLS.—Every farmer should have a can of linseed oil and a brush on hand, and whenever he buys a new tool he should soak it well with the oil, and dry it by the fire or in the sun before using. The wood by this treatment is toughened and strengthened, and rendered impervious to water. Wet a new hay-rake, and when it dries it will begin to be loose in the joints; but if well oiled, the wet will have but slight effect. Shovels and forks are preserved from checking and cracking in the top of the handle by oiling; the wood becomes as smooth as glass by use, and is far less liable to blister the hand when long used.

GOOD WALKS FOR WINTER.—There is nothing that adds more, not merely to the comfort and convenience, but to the health of the family, than *good walks* about the house and premises. The labour it costs to make hard dry paths is not worth mentioning. About every place there are stones, old mortar, bricks, &c., which could be laid down in an excavation of six inches and covered with coal ashes. This would last for a dozen years, and would always be dry in five minutes after a rain. Or, in lieu of this, lay down board walks, which, if taken up in the spring after the weather is settled and carefully piled up, will last from eight to ten years.

Try it. It will save in shoe leather and doctors' bills four times as much as the cost, leaving out of the question the great convenience and comfort enjoyed.

SETTING EVERGREENS IN THE FALL.—Several years ago I set 135 white pine and hemlock shrubs, in October and November, being told that then was the time; they were set with the greatest care, and the result was nine out of every ten died. I concluded then that fall planting had gone up with me. I then tried spring setting, by putting in 400 Arbor Vitae and Norway Spruce, and out of the 400 only four died; the 396 are now living realities, fresh and green.—*Cor. in Country Gentlemen.*

If you wish to make your children satisfied with home and country life make it attractive and pleasant by surrounding it with fruits and flowers, and supplying the table with the delicious fruits of the seasons.—*Small Fruit Recorder.*

The following practical questions were discussed at the winter meeting of the Ontario Fruit Growers' Association on the 8th inst. What does the Nova Scotia Association say?—Is there any danger of overstocking the market with any varieties of good fruits? At what distance apart should apple and pear trees be planted in orchards! At what height from the ground should orchard trees be made to branch? Should crops of any description be grown in orchards? In planting apples in orchards for market, what proportion of summer, fall and winter sorts in every hundred trees would be most profitable?

Scientific.

AN ARTIFICIAL WHIRLWIND.—The fact that whirlwinds are caused by upward currents of heated air, was recently demonstrated in the town of Queensburg, N. Y. A farmer having occasion to burn a yellow pine fallow of some twenty acres, fearing that the fire might spread into the adjacent timber, ignited the fallow in several places on the edge, after taking the precaution of cleaning off the brush from a strip surrounding it. The flames rushing towards the centre from every direction, the air and smoke soon assumed a rotary motion, which increased in intensity. This whirlwind—for such it was—after becoming fairly formed, moved with wonderful velocity on its axis, tearing up small trees by the roots and lifting them into the air, stripping the branches from some that adhered too firmly to the ground, and fairly wringing the bark from others. It was accompanied by a noise resembling thunder, and lasted from five to ten minutes, but did not pass the bounds of the fallow, although it swayed back and forth across the field of fire several times.

ARCHIBALD SAUL, the wealthy banker was a small, wiry man, keen and shrewd, and a great stickler for form. His clerks were aware of his precision, and failed not to do their work according to the rules and forms laid down. One day Saul called his private secretary and directed him to write to Mr. B——, a rising merchant and importer.

"Write," said the banker, "that I have transacted the business which he entrusted to me agreeably to his wishes."

The secretary at his desk wrote, and when the body of the communication had been completed, turned and asked:

"With what form shall I close the letter, sir?"

"You may place," said Saul, "I have the honor to be yours."

"Yes, sir."

"Ah! wait; tell me, has Mr. B—— settled his accounts to date?"

"Yes, sir. His accounts were settled promptly and cheerfully."

"Ah! then you may place,—I have the honor to be your very humble servant."

"By the way," said the secretary, "I forgot to tell you that Mr. B—— has chartered two new ships, and his ventures are not only brilliant but safe. He is regarded by the knowing ones as a man of remarkable ability."

"Ah, ah! indeed! Place quickly,—I have the honor to be, sir, with the highest consideration and respect, your very humble and very obedient servant!"

DRILLING TRIANGULAR HOLES FOR BLASTING.—A correspondent of the *English Mechanic* states that in the Cleveland (England) mining district it is now usual when boring for blasting purposes to make the holes of a triangular section, instead of circular, as in the conventional style, and to effect this the boring bar or jumper is partly turned on each side of its cutting alternately. No difficulty is experienced in boring the holes to this shape, and they are found more effective than round holes, the corners forming points at which the fracture of the material operated on appears to commence, the line of fracture usually forming a promulgation of the triangle. The holes averaged three feet six inches in depth, and are generally made in thirty or forty minutes. The powder charges vary from one to two pounds, according to circumstances.

PURE AIR.—A man will die for want of air in five minutes, for want of sleep in ten days, for want of water in a week, for want of food at varying intervals, dependent on the constitution, habits of life, and the circumstances of the occasion. Instances have been given where persons have been said to live many weeks without eating a particle of food, but when opportunities have been offered for a fair investigation of the case, it has been invariably found that a weak and wicked fraud has been at the bottom of it.

Some of our readers may have not heard of the riddle which Lord Dundreary gave to Colenso as an answer to his writings against the five books of Moses. The riddle was:—

When I was coming from St. Ives,
I met a man with seven wives,
Every wife had seven sacks,
In every sack were seven cats,
And every cat had seven kits.
Kits, cats, sacks, and wives,
How many were coming from St. Ives?

HALIFAX, N. S., FEBRUARY 21, 1872.

MESSENGER ALMANACK.

FEBRUARY, 1872.

Last Quarter, Feb. 2nd, 5h. 56m. morning.
New Moon, " 8th, 9h. 38m. afternoon.
First Quarter, " 16th, 2h. 10m. morning.
Full Moon, " 24th, 6h. 42m. morning.

D.M.	Day Wk	SUN. Rise	SUN. Sets	MOON. Rises	MOON. South	MOON. Sets	High Tide at Halifax
1	Th..	7 23	5 4	morn	5 10	10 41	11 53
2	F..	7 22	5 6	0 49	5 57	11 5	A. 38
3	Sa..	7 21	5 8	2 1	6 49	11 37	1 22
4	SU.	7 20	5 9	3 17	7 46	A. 15	2 23
5	M..	7 18	5 10	4 35	8 46	1 2	3 44
6	Tu..	7 17	5 12	5 36	9 49	2 2	5 6
7	W..	7 16	5 13	6 36	10 55	3 14	6 19
8	Th..	7 14	5 15	7 23	11 56	4 29	7 20
9	F..	7 13	5 16	8 1	A. 54	5 47	8 12
10	Sa..	7 12	5 17	8 32	1 49	7 6	9 1
11	SU.	7 10	5 19	8 59	2 39	8 19	9 44
12	M..	7 9	5 20	9 23	3 26	9 29	10 25
13	Tu..	7 7	5 22	9 46	4 12	10 38	11 4
14	W..	7 6	5 23	10 10	4 57	11 44	11 42
15	Th..	7 4	5 24	10 35	5 42	morn	morn
16	F..	7 3	5 26	11 5	6 28	0 49	0 20
17	Sa..	7 1	5 27	11 40	7 16	1 51	1 2
18	SU.	7 0	5 29	A. 19	8 4	2 52	1 55
19	M..	6 58	5 30	1 6	8 54	3 49	3 7
20	Tu.	6 56	5 32	1 59	9 44	4 42	4 28
21	W..	6 55	5 33	2 58	10 33	5 29	5 48
22	Th..	6 53	5 34	4 2	11 22	6 8	6 48
23	F...	6 52	5 36	5 6	morn	6 42	7 30
24	S...	6 50	5 37	6 12	0 8	7 10	8 7
25	SU.	6 49	5 38	7 16	0 54	7 36	8 41
26	M..	6 47	5 40	8 23	1 38	8 0	9 13
27	Tu..	6 45	5 41	9 31	2 23	8 23	9 44
28	W..	6 43	5 43	10 40	3 8	8 45	10 16
29	Th..	6 41	5 44	11 53	3 55	9 10	10 49

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.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

NOVA SCOTIA
Boot & Shoe Factory
22 & 28 GEORGE STREET.
(*North-end of Provincial Building.*)

THE Subscriber begs respectfully to intimate 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 SUPERI ARTIZANS, he is now in a position to manufacture

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 SHOES 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 attention.

GEORGE S. YATES.

Halifax, N. S., April 24, 1871.
May 3

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, both at

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.

A. V. P. B.

ARCHIBALDS VEGETABLE PAIN BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung Diseases.

The Proprietor has removed to Truro, Colchester Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him.

Sold by all the principal Dealers and Druggists in the Provinces.

Oct. 21. 1 yr.

C C C
CUNDURANGO!!
THE GREAT
CANCER, SCROFULA & CONSUMPTION CURE,

Discovered in EQUADOR, SOUTH AMERICA, last Spring, and introduced to the medical world, through the Governments of that Country and the United States. This valuable medicine is now for the first time placed within the reach of all afflicted with these diseases, by the appointment of the subscribers as GENERAL AGENTS for the Provinces.

All persons wishing further information will please inclose stamp for Circular.

Druggists supplied on liberal terms.

ROGERS & BLACK,
General Agents,
Amherst, N. S.

Jan. 10. 3in.

WINDSOR AND ANNAPOLIS RAILWAY.

TIME TABLE No. 10.

COMMENCING 1st JAN'Y, 1872.

Miles.	DOWN TRAINS.	Express. 1st class only.	Passengers. Freight and Mails.	Passengers and Freight.
	STATIONS.	1	3	5
			a. m.	p. m.
	Halifax	.....	8 00	2 30
4	Four Mile House	.....	8 10	2 42
8	Bedford	.....	8 30	3 05
11	Rocky Lake	.....	8 38	3 16
13	Wind. Junction arrive	.....	8 45	3 25
	do. depart	.....	8 55	3 35
16	Beaver Bank	.....	9 05	3 47
26	Mount Uniacke	.....	9 40	4 30
33	Stillwater	.....	10 10	5 00
36	Ellershouse	.....	10 20	5 10
39	Newport	.....	10 40	5 25
42	Three Mile House	.....	10 50	5 35
45	Windsor, arrive	.....	11 00	5 45
	do. depart	.....	11 20	6 10
47	Falmouth	.....	11 25	6 15
50	Mount Denison	.....	11 35	6 25
52	Hantsport	.....	11 50	6 35
			p. m.	
57	Avonport	.....	12 05	6 55
59	Horton Landing	.....	12 15	7 05
60	Grand Pre	.....	12 20	7 10
63	Wolfville	.....	12 30	7 25
65	Port William	.....	12 40	7 35
70	Kentville, arrive	.....	12 55	7 50
	Do depart	.....	1 20	
75	Coldbrook	.....	1 35	
79	Waterville	.....	1 45	
82	Berwick	.....	2 00	
87	Aylesford	.....	2 20	
89	Morden Road	.....	2 25	
94	Kingston	.....	2 40	
98	Wilmot	.....	2 55	
101	Middleton	.....	3 10	
107	Lawrencetown	.....	3 30	
110	Paradise	.....	3 40	
115	Bridgetown	.....	4 00	
121	Roundhill	.....	4 20	
129	Annapolis	.....	4 45	
190	St. John by Steamer.	.....	.....	

Miles.	UP TRAINS.	Passengers and Freight.	Passengers Freight and Mails	Express, 1st class only.
	STATIONS.	2	4	6
	St. JOHN, N. B. (by Steamer.)	.....	.....	.....
			a. m.	
	Annapolis	.....	9 30	.....
8	Roundhill	.....	9 50	.....
14	Bridgetown	.....	10 20	.....
19	Paradise	.....	10 35	.....
22	Lawrencetown	.....	10 50	.....
28	Middleton	.....	11 15	.....
31	Wilmot	.....	11 22	.....
35	Kingston	.....	11 35	.....
40	Morden Road	.....	11 50	.....
			p. m.	.....
42	Aylesford	.....	12 05	.....
47	Berwick	.....	12 20	.....
50	Waterville	.....	12 30	.....
54	Coldbrook	.....	12 40	.....
59	Kentville, arrive	.....	1 00	.....
	do leave	a. m. 7 00	1 20	.....
64	Port William	7 20	1 35	.....
66	Wolfville	7 30	1 45	.....
69	Grand Pre	7 45	1 55	.....
70	Horton Landing	7 50	2 00	.....
72	Avonport	8 00	2 10	.....
77	Hantsport	8 20	2 30	.....
79	Mount Denison	8 30	2 40	.....
82	Falmouth	8 45	2 50	.....
84	Windsor, arrive	9 00	2 55	.....
	do depart	9 20	3 15	.....
87	3-Mile Plains	9 30	3 25	.....
90	Newport	9 40	3 40	.....
93	Ellerhouse	9 55	3 52	.....
96	Stillwater	10 05	4 05	.....
103	Mount Uniacke	10 35	4 35	.....
113	Beaver Bank	11 10	5 20	.....
116	Windsor Junction, arrive	11 20	5 25	.....
118	do. depart	11 30	5 35	.....
121	Rocky Lake	11 40	5 42	.....
	Bedford	11 55	6 00	.....
125	Four Mile House	p.m. 12 10	6 12	.....
129	Halifax	12 30	6 30	.....

N.B.—Trains meet and pass where the—— is marked.

Trains Nos. 1 and 6 will be run as soon as steamer arrangements, now in progress, are complete, and will stop when flagged for Passengers for the steamer from all Stations.

Trains No. 2 and 5 carry Local Freight between Kentville and Halifax, and intermediate Stations.

Trains No. 3. and 4 carry Local Freight between Kentville and Annapolis, and intermediate Stations, and Through Freight to Halifax.

VERNON SMITH,
Halifax, 1st January, 1872. Manager.
Jan. 10.

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.

WHITE, RED and ORANGE YARN is put up in BLUE paper;

BLUE YARN is put up in BUFF paper.

☞ All Yarn made by us is warranted of best quality, full weight, and correctly numbered.

WM. PARKS & SON.

N. B.—Cotton Mills, St. John, N. B., Aug. 8, 1871.
Jan. 3, 1yr.

CARD.

MR. WEATHERBE,

BARRISTER, ATTORNEY, &c.

MAY be consulted in the various branches of his profession at the Office heretofore occupied by WEATHERBE & EATON, over the Merchants' Exchange, Hollis Street, the Co-partnership having been dissolved by mutual consent.

Jan. 3, 3m.

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