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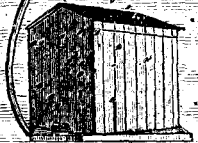
VOL. IV, NO. 43

1889

JANUARY 16 ;

PUBLISHED EXCLUSIVELY IN THE INTERESTS OF THE HONEY PRODUCER

THE CANADIAN



JOURNAL

THE FIRST \$

WEEKLY

IN THE WORLD

ONE DOLLAR PER YEAR

THE GREATEST POSSIBLE GOOD TO THE GREATEST POSSIBLE NUMBER

PUBLISHED BY

THE D.A. JONES CO. LTD.
BEETON ONT.

ADVERTISEMENTS

WE CLUB

The Canadian Bee Journal and.....		
Cook's Manual, cloth.....	\$2 25	\$2 00
A B C in Bee Culture, cloth.....	2 25	2 00
Quinby's New Bee-Keeping (cloth)	2 50	2 25
Alley's Handy Book (cloth).....	2 50	2 25
Langstroth on the HoneyBee (clh)	3 00	2 75
Heddon's Success in Bee Culture	1 50	1 40
"A year among the Bees," by Dr C. C. Miller.....	1 75	1 60
A Bird's-eye view of Bee-keeping by Rev. W. F. Clarke.....	1 25	1 15

Books for Bee-Keepers.

We have prepared a series of pamphlets on special subjects relating to bee-culture, containing the best thoughts of our most practical bee-keepers, which we offer at very low rates, as follows:

1. QUEENS, And How to Introduce Them .10
 2. BEE-HOUSES, and how to build them. .15
 3. WINTERING, and preparations therefor .15
 4. BEE-KEEPERS' DICTIONARY, containing the proper definition of the special terms used in Bee-Keeping... .25
 5. FOUL BROOD, its cause and cure..... .10
- Or the whole five books, post paid, for..... .50

THE D. A. JONES Co., LD., Beeton, Ont.

BEE-KEEPERS' LIBRARY.

We keep in stock constantly and can send by mail post paid the following:—

- "A YEAR AMONG THE BEES," by Dr. C. C. Miller. Price, 75c.
- A. B. C. in BEE CULTURE by A. I. Root. Price, cloth, \$1.25; paper, \$1.00.
- QUINBY'S NEW BEEKEEPING, by L. C. Root, Price in cloth, \$1.50.
- BEE-KEEPERS' HANDY BOOK, by Henry Alley, Price in cloth, \$1.50
- PRODUCTION OF COMB HONEY, by W Z Hutchinson. Paper, price, 25c.
- THE HIVE AND HONEY BEE, by Rev. L. L. Langstroth. Price, in cloth, \$2.00.
- A BIRD'S-EYE VIEW OF BEE-KEEPING, by Rev. W. F. Clarke. Price 25c
- SUCCESS IN BEE CULTURE as practised and advised by James Heddon—price in paper cover, 50 cents.
- BEEKEEPERS' GUIDE OR MANUAL OF THE APIARY, by Prof. A. J. Cook. Price, in cloth, \$1.25.
- FOUL BROOD, ITS MANAGEMENT AND CURE by D. A. Jones. Price, 11c. by mail; 10c. otherwise.
- A. B. C. IN CARP CULTURE, by A. I. Root, in paper 50c.
- HONEY, some reasons why it should be eaten, by Allen Pringle. This is in the shape of a leaflet (4 pages) for free distribution amongst prospective customers. Price, with name and address, per 1000, 3.25; per 500, \$2.00, per 250, \$1.25; per 100, 80c. With place for name and address left blank, per 1000, \$2.75; per 500, \$1.70; per 250, \$1.00; per 100, 50c.

THE D. A. JONES Co., LD., Beeton.

Barnes' Foot Power Machinery

See advertisement on another page. We have just arranged for the sale of these machines, and we can quote a price F.O.B cars at Toronto (duty and freight paid thereto). On application we will forward catalogue and pricelist free.

THE D. A. JONES Co., LTD.
Beeton, Ont.

PUBLISHERS' NOTES.

We will always be glad to forward sample copies to those desiring such.

Send us the names of three subscribers with \$3 in cash and receive as a premium one C. B. J. Binder.

Send postal card for sample of leaflet, "Honey, some reasons why it should be eaten."

The CANADIAN BEE JOURNAL will be continued to each address until otherwise ordered, and all arrears paid.

Subscriptions are always acknowledged on the wrapper label as soon as possible after receipt.

American Currency, stamps, Post Office orders, and New York and Chicago (par) drafts accepted at par in payment of subscription and advertising accounts.

Errors. — We make them: so does every one, and we will cheerfully correct them if you write us. Try to write us good naturedly, but if you cannot, then write to us anyway. Do not complain to any one else or let it pass. We want an early opportunity to make right any injustice we may do.

We can supply Binders for the JOURNAL 55 cents each, post paid, with name printed on the back in Gold letters.

Subscription Price, \$1.00 per Annum Postage free for Canada and the United States; to England, Germany, etc. 10 cents per year extra; and to all countries not in the postal Union, \$1.00

The number on each wrapper or address-label will show the expiring number of your subscription, and by comparing this with the Whole No. on the JOURNAL you can ascertain your exact standing.

ADVERTISING RATES.

All advertisements will be inserted at the following rates

TRANSIENT ADVERTISEMENTS.
10 cents per line for the first insertion, and 5 cents per line for each subsequent insertion.

Space measured by a scale of solid nonpareil of which there are twelve lines to the inch, and about nine words to each line.

	STANDING ADVERTISEMENTS.		
	3 MOS.	6 MOS.	12 MOS.
6 lines and under.....	2.50	4.00	6.00
One inch.....	\$4.0	\$6.00	\$10.00
Two inches.....	5.50	9.00	15.00
Three inches.....	7.00	12.00	19.00
Four inches.....	9.00	15.00	25.00
Six inches.....	12.00	19.00	30.00
Eight inches.....	15.00	25.00	40.00

STRICTLY CASH IN ADVANCE

Contract advertisements may be changed to suit the seasons. Transient advertisements inserted till torrid and charged accordingly.

CLUBBING RATES

THE CANADIAN BEE JOURNAL

AND "Gleanings," semi-monthly.....	\$1.75
"American Bee Journal," weekly.....	1.75
"American Apiculturist," monthly.....	1.75
"Bee-Keepers' Magazine," monthly.....	1.40
"Bee-keeper's Guide," monthly.....	1.40
"Rays of Light".....	1.20
"The Bee-Hive".....	1.25
"Beekeepers' Review".....	1.40
"Beekeepers' Advance".....	1.20

TO CONTRIBUTORS

Communications on any subject of interest to the Bee-keeping fraternity are always welcome, and are solicited.

Beginners will find our Query Department of much value. All questions will be answered by thorough practical men. Questions solicited.

When sending in anything intended for the JOURNAL do not mix it up with a business communication. Use different sheets of paper. Both may, however be enclosed in the same envelope.

Reports from subscribers are always welcome. They assist greatly in making the JOURNAL interesting. If any particular system of management has contributed to your success, and you are willing that your neighbors should know it, tell them through the medium of the JOURNAL

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LOOK HERE !

Nickel plated pen and pencil stamp with name 30c.; Nickel plated stamp with name, 30c.; Black wax nut handle with name on, 15c.; Your name in rubber or any of the above sent post paid on receipt of price. Clubs amounting to \$1.20 sent for \$1. Boys and girls can make money canvassing for these stamps. Every school boy and girl should have a pen and pencil stamp. It contains a pen, lead pencil and stamp for printing your name on your books, etc. Write your name plainly. Remember you have no duty to pay on these stamps when you deal with us.

Gem Rubber Stamp Co., MALAKOFF, ONT.

TO THE DEAF—A person cured of deafness and noises in the head of twenty-three years standing, by a simple remedy; will send a description of it FREE to any person who applies to Nicholson, 30 St John St. Montreal.

WANTED—all your loose magazines, periodicals, and journals to bind, at the BINDERY, BEETON, Ont.

THE BEE-KEEPERS' REVIEW for December has four extra pages—twenty in all. Upon the first page is a brief history of the REVIEW; also an excellent

PORTRAIT OF ITS EDITOR,

One of those beautiful Ives reproductions. The special topic of this issue is: "Sections and their adjustment on the Hives." and it is handled by such men as Jas. Heddon, Dr. C. C. Miller, R. L. Taylor, Oliver Foster and Dr. G. S. Tinker. A copy of this issue will be cheerfully sent free to all who apply.

Price of the REVIEW 50 cts. a year.

The Production Of Comb Honey !

Although this neat little book contains only 45 pages, it furnishes as much practical, valuable information as is often found in a book of twice its size. It is 'boiled down.'

It begins with taking the bees from the cellar and goes over the ground briefly, clearly and concisely, until the honey is off the hives; touching upon the most important points, and especially does it teach when, where and how foundation can be used to the best advantage; when combs are preferable and when it is more profitable to allow the bees to build their own combs.

Price of the book 25 cents.

SPECIAL OFFERS.

For 65 cts. we will send the REVIEW one year and "The Production of Comb Honey." For \$1 we will send all the numbers of the REVIEW for the past year (1888), the REVIEW for this year (1889) and the "Production of Comb Honey;" or, for the same amount (\$1), we will send the REVIEW for two years from Jan. 1st, 1889, and "The Production of Comb Honey." Stamps taken, either U.S. or Canadian.

Address

W. Z. HUTCHINSON

618 Wood Street, Flint, Mich.

SALESMEN WANTED.

SALARY AND EXPENSES PA'D, OR LIBERAL commissions as representative chooses. Outfit free. Permanent positions guaranteed. Experience unnecessary. Special advantages to local men who devote part time.

L. P. THURSTON & CO
Empire Nurseries, Rochester, N. Y.

Muth's Honey Extractor.

Perfection Cold Blast Smokers, Square Glass Honey Jars, etc. Send ten cents for "Practical Hints to Bee-Keepers." For circulars apply

CHAS. F. MUTH & SON.

Cor., Freeman & Central Avenues, Cincinnati



Unapproached for Tone and Quality.

CATALOGUES FREE,

BELL & CO., Guelph, Ont.

\$1 00 Will secure you by mail, post paid, 250 Noteheads and 250 Envelopes with your name, business and address printed on the corner of each. Send in your order now. THE D. A. JONES CO., Beeton, Ont.

BEE SUPPLIES.

Until March 1st, Brood frames \$1 per 100, \$9 per 1000. Section Crates, Feeders, etc., correspondingly low. Send for price List to

W. A. CHRYSLER, Chatham, Ont., (Box 450).

BEE-KEEPERS'

PRINTING.

We make a speciality of Apiarian Printing, and have unequalled facilities for Illustrated

Catalogue and Label Work.

Note these figures, which include printing.

	500	1000
Note Heads, good quality.....	\$1 15	\$1 90
" linen.....	1 25	2 00
Letter Heads, Superfine.....	1 75	2 50
" Linen.....	2 00	3 25
Envelopes, business size, No. 7,		
white.....	1 15	2 00
" Extra quality.....	1 35	2 25
Business Cards.....	1 50	2 50
Shipping Tags, 40c., 45c. and 50c. per 100.		

Our new book of labels contains nearly 100 specimens of elegant honey labels. Write for prices for any printing required.

THE CANADIAN BEE JOURNAL,

7

BEETON.

EXCHANGE AND MART.

Advertisements for this Department will be inserted at the uniform rate of 25 CENTS each insertion—notice except five lines—and 5 cents each additional line each insertion. If you desire your advt. in this column, be particular to mention the fact, else they will be inserted in our regular advertising columns. This column is specially intended for those who have bees or other goods for exchange for something else, and for the purpose of advertising bees, honey, etc. for sale. Cash must accompany advt.

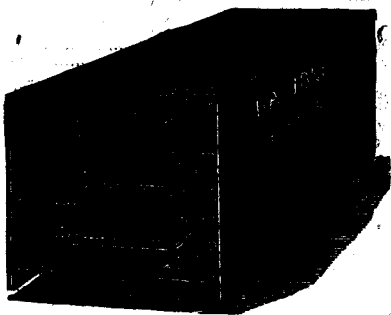
FOR Sale—1' Barties foot power circular saw, as good as new; price \$40. Also 4 honey tanks, hold 550 lbs each \$2.50 each. Edward Lunau, Buttonville, Ont.

HONEY.—We can take all that offers in exchange for supplies, at prices found in another advertisement in this issue. THE D. A. JONES CO., Beeton, Ont.

SPLENDID OPPORTUNITY.

FOR SALE in Culloden, County of Oxford, a comfortable Dwelling, Outbuildings and four-fifths of an acre of splendid land, planted with the choicest fruit. In connection there are 60 Hives of Italian Bees with plenty of stores to winter, and everything else for carrying on Bee-keeping. All for Six Hundred Dollars (\$600). Owner leaving, and must sell. One of the finest districts for Bee-keeping in Ontario, situated two miles from Brownsville station, Michigan Central Railroad. Come and see, or apply to

JOHN A. SAUNDERS,
Culloden, Ont.



FEEDERS.

FOR PRICES SEE OUR CATALOGUE,
WHICH WILL BE SENT FREE
TO ANY ADDRESS.

THE D. A. JONES CO., LD.

BEETON, ONT.

THE AMERICAN APICULTURIST

Will be mailed from Oct. 1 1888 to Jan 1 1890 for 75 cts. The editor has had 30 years experience in rearing Queens and practical Bee-keeping, and now proposes to give the result of that long experience in a series of articles in the APICULTURIST. The first Article will appear in the Nov. 1888 issue. The details of a new method of rearing Queens in full colonies, without making the colony queenless, will be given to each subscriber. Send for sample copy. Address
AMERICAN APICULTURIST, Wenham, Mass.

NEARLY 30 TONS OF

DADANT'S FOUNDATION

SOLD IN 1887.

AS IT IS KEPT FOR SALE BY MESSRS.

T. G. NEWMAN, & SON, Chicago, Ill.
C. F. MUTH, Cincinnati, O.
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F. L. DOUGHERTY, Indianapolis, Ind.
CHAS. H. GREEN, Berlin, Wis.
CHAS. HERTEL, Jr., Freeburg, Ill.
E. L. ARMSTRONG, Jerseyville, Ill.
E. KRETCHMER, Coburg, Iowa.
M. J. DICKSON, Hiawatha, Kans.
ED. R. NEWCOMB, Pleasant Valley, N.Y.
J. W. PORTER, Charlottesville, Va.
J. B. MASON & SONS, Mechanic Falls, Me.
DR. G. L. TINKER, New Philadelphia, O.
D. A. FULLER, Cherry Valley, Ills.
JOB. NYSEWANDEK, Des Moines, Iowa.
G. B. LEWIS & CO., Watertown, Wis.
PAUL L. VIALON, Bayou Godia, La.
B. J. MILLER & CO., Nappanee, Ind.
J. MATTOON and W. J. STRATTON, Atwater,
Goodell and Woodward Mfg. Co., Rock Falls, Ills.
J. A. ROBERTS, Edgar, Neb.
OLIVER FORSTER, Mt. Vernon, Iowa.
GEORGE E. HILTON, Fremont, Mich.
J. M. CLARK & CO., 1409 15th St., Denver, Col.
E. L. GOULD & Co., Brantford, Ont.

and numbers of other dealers. Write for SAMPLES Free and Price List of Bee Supplies. We guarantee every inch of our Foundation equal to sample in every respect. Everyone who buys it is pleased with it.

CHAS. DADANT & SON,
HAMILTON, Hancock Co., Ill.

THE CANADIAN BEE JOURNAL

WEEKLY

"THE GREATEST POSSIBLE GOOD TO THE GREATEST POSSIBLE NUMBER."

VOL. IV. No. 43

BEETON, ONT., JAN. 16, 1889.

WHOLE No. 199

EDITORIAL.

IN page 830 of the issue of January 9th we notice a paragraph which, had it come to our notice before being inserted, no matter how true, it would not have found place in our columns. The letter from Mr. Stalhammar came to hand the day before we left for the Owen Sound Convention, and we did not have time to read it, so it found its way into the JOURNAL just as it was received. Those left in charge thought we had read the article and were willing that it should appear just as it did. We now wish to apologise publicly. We observe that Mr. Stalhammar had no wish to force the paragraph on us as he makes use of the sentence: "Here you have an example amongst many, but private, if not necessary to publish it," and it certainly would not have been published under ordinary circumstances.

Is there any bee-keeper's association past or present on the American continent which can show 231 paid up members on its roll? Outside the O.B.K.A. we believe there is not.

The annual meeting of the O.B.K.A. at Owen Sound was specially noticeable for the goodwill which prevailed among its members. One gentleman in sending us his subscription for the coming year for the C.B.J. regretted that he

would be unable to be at Owen Sound, but he expressed the hope that we would not have unseemly wranglings, such as he thought were indulged in at Woodstock a year ago, and we have pleasure in notifying him that his expectations were thoroughly fulfilled.

It may not be of much interest, but it is curious that the names of all the composers employed on the BEE JOURNAL commence with B.

After three months rest *The Bee Hive* has again put in an appearance. Illness of the editor is the cause of the delay.

The C. B. J. thinks it has been picked out to receive all the compliments (?) regarding untrimmed leaves. Never mind. One who hasn't sufficient enterprise to cut open two or three leaves (and of as good a journal as the C.B.J., too) will never make a bee-keeper. Thus comments Mr. Cook in *The Bee Hive*. How does this strike our critics?

The list of papers read and discussed at the several meetings of the Farmers' Institute now being held throughout the country, has not embraced as far as we have seen an article on apiculture. This is in our opinion a mistake.

Read the grand array of premiums offered on page 856 of this issue.

ANNUAL MEETING OF THE O.B.K.A.

THE regular annual meeting of the above Association was held at Owen Sound on the 8th and 9th insts., as was arranged by resolution at the last annual meeting. Owing to the unprecedented failure of the honey crop throughout the past year, it was hardly expected that there would be a very large gathering; yet there were more there than many of us had expected to see. It was suggested by some that Owen Sound was, perhaps, too much out of the way and too far north for the majority of bee-keepers. This may have had something to do with the attendance, but those who were present were thoroughly satisfied with the good fortune which led them to Owen Sound as a place of meeting. Of the town itself we cannot say too much. It will, we believe, be the next city in the province of Ontario; and it is one of the most enterprising and busy towns we have in the whole province today. We could not see it at its best during the winter season, as the large shipping trade which is done at this port was at a stand still. Mr. McKnight was good enough to pilot a party of us round the town, showing us the "elephants" of the place. One of these is the Collegiate Institute, which was erected a year or two ago at a cost of \$23,000. Seven teachers are employed, each of whom is a gold-medalist in his own particular department; and in its honor he it said it is the only training-school for High school teachers outside the cities of Toronto, Hamilton, Ottawa and Kingston. We next visited the Polson ship-building yards, where over 300 men are at work day and night on the first steel steamer ever built in Canada. It is to take the place of the lost steamer Algoma and is contracted for by the C.P.R. The Messrs. Polson have contracts sufficient to keep their whole force employed for three years to come. It was a magnificent sight to see the hull now in course of construction; at the time of our visit it was pretty nearly shut in, and it is expected that it will be ready to launch by the opening of navigation the coming spring. We did not have time to visit the large quarries for which Owen Sound is renowned, but from the

report given of them by Mr. McKnight, who tells us that there are 300 men employed in stone cutting, winter and summer, we are safe in saying that the future prospects of Owen Sound are assured. We had the pleasure of looking through one of the finest hardware stores in the province.

On the evening of the 7th the Board of Directors met at the Queen's hotel and completed the business of the year, prepared their report for submission to the annual meeting and had the accounts audited. The first session commenced at 2 o'clock on the 8th, among those present being:—President Martin Emigh, Treas. R. McKnight, Sec. W. Cause and Messrs. S. Corneil, Rev. W. F. Clark, A. Picket, R. E. Smith, F. A. Gemmell, A. Shantz, J. R. Bellamy, R. F. Holterman, John Miller, John Tarbit, D. Anguish, G. W. Barber, Wm. Rowan, John Hartley, F. H. Macpherson and others whose names we did not obtain.

The minutes of the last annual meeting were read and approved. Next on the program was the report from the Board of Directors which was read by the Secretary:

REPORT OF DIRECTORS.

In presenting our report of the past year we do so feeling encouraged at the progress that has been made considering the unfavorable season which we have had.

The present membership of the Association is 226, being a large increase over any former year. We have also on our roll five honorary members. We feel that had the past season been an average one the membership would have been even more largely increased, and we hope for greater results in the future. We attribute this increase largely to the fact of the Association furnishing to each member an Italian queen and we believe that this course has given general satisfaction. We sent out as well about 100 circulars of invitation to the bee-keepers throughout the province, requesting their memberships, and these are also productive of good results. The Bee Journals have from time to time urged the matter of membership, and the officers have also assisted as much as possible.

Eight local associations have affiliated with this association, having a total membership of about 60, to each of which a grant of \$35 has been given to be expended in prizes, lectures, etc. Owing to the very unfavorable season a number of the societies have not succeeded in

expending the full amount of their grants. The sum, \$1,134.34 has passed through the hands of our Treasurer during the past year, \$200 of which was contributed a year ago for the purpose of distributing the new revision of "Langstroth on the honey-bee" to the members of 1887. We regret that these books have not yet been distributed, the delay being caused through the destruction by fire of the first lot published. We hope, however, to be able to mail the books during the present month.

During the year three directors meetings have been held. The first at Woodstock immediately after the annual meeting, the second at Toronto on the 28th March which was called for the purpose of deciding on the grants to affiliated societies, and to consider what the members should receive, the third at Owen Sound yesterday for the purpose of closing the books of the year. All of which is respectively submitted.

January 8th, 1889.

The Treasurer's report of which an abstract is presented herewith, showed the Association to be in a first-class condition financially, a balance of \$255 remaining on hand after an appropriation of \$200, by the Board of 1887, was set apart for the copies of Langstroth's book.

RECEIPTS.

Received from Treasurer Couse.....	\$ 429.40
Membership Fees.....	164.89
Government Grant.....	500.00
Eight Affiliated Societies.....	40.00
Total.....	\$ 1134.29

EXPENDITURE.

Grants to eight Affiliated Societies.....	280.00
Grants to Industrial Assoc. Exhibition..	24.00
Salary to Secretary.....	50.00
Cost of Directors Meetings, Sundry Disbursements, including cost of queens to members.....	323.54
Balance on Hand.....	455.75
Total.....	\$ 1134.29

Of which \$200 was appropriated by the Board of 1887 for the copies of Langstroth's book.

Both of the above reports were, on motion, adopted.

The Auditors' report testified that they had audited the accounts and certified to their correctness. Next came the reports from the Affiliated Societies, which showed that eight local associations had affiliated and were in good standing; each of these had received a grant of \$35, in some instances the money had not been expended. This was accounted for in two ways—either

that affiliation had taken place too late to enable the local societies to make proper arrangements with the agricultural societies for prizes at the local fairs, or because of the very poor season.

One report showed that no honey had been taken by any of its members, and where there was no honey it was, of course, unnecessary to offer prizes.

The question of meeting the International Association at Brantford next year, came up for discussion and it was laid over until after the Association had decided upon the next place for holding the annual meeting of this Association.

Adjourned to meet at 7 p.m.

EVENING SESSION.

The first item of business on the program at the evening session was the

PRESIDENT'S ADDRESS.

I can assure you it is a pleasure to meet so many bee-keepers here on this occasion.

Notwithstanding the poor honey season we have just passed through, we have many things for which to thank the Giver of all good.

We thank him for the privilege of meeting here at this our annual meeting.

We thank him for past favors and bounties bestowed upon the bee-keepers of this Province.

We should as well feel thankful for the prosperity of our Association during the year about closed, and for the unity existing among its members at the present time, our list numbering some 231, an increase of 81 over last year. For this your president takes no extra credit, but to the untiring efforts of your energetic secretary combined with the united work of your board to advance the interests of bee-keepers throughout the Province, is the credit due.

I heartily approve of the system we have adopted of affiliating the county or local Associations with this body. It will be the means of forming many new Associations and stimulate the weak into greater activity, and will give a chance to distribute the grant throughout the entire Province, and great good must be accomplished thereby. No doubt some of the local Boards have not laid their plans this (first) year, as they would like to have done, but taken as a whole, I think it has been fairly satisfactory. I would recommend that clause seven in our Constitution be amended so as to have the applications for affiliation sent in on or before the first of August.

I would also recommend that a sum be set apart for the affiliated Associations, this sum to

be equally divided among the Associations, that are legally entitled to it, and have become affiliated on or before the first of August.

Appointment of the Honorable Charles Drury (a practical farmer) as minister of agriculture to administer to the wants of the apiarist as well as to the wants of the farmer will no doubt meet with the approval of all bee-keepers.

The Industrial Exhibition Board at Toronto, have given liberally in prizes and furnished ample accommodations to bee-keepers that they might show their products to the world, and they should receive the thanks of this association. There are also other Agricultural Societies, that are giving us better accommodations than they did a few years ago. This with the assistance the affiliated Associations will be able to give will afford the apiarists an opportunity to show their products to better advantage in the future than in the past. Now in conclusion let me say you will soon be called upon to elect your officers for the present year. Select the men that have the interest of bee-keeping at heart, men that are too proud to do a wrong knowingly, and this Association will prosper in the future as it has in the past. Wishing you all a happy New Year, and a more prosperous season than the one just past.

M. EMIGH.

This was referred to a special committee.

A vote of thanks having been passed the president for his able address, the next item which claimed the attention of the Convention was a paper by Mr. S. T. Pettit, of Belmont, on

PRIORITY OF LOCATION.

ITS OPPOSITION, PROGRESS, PRESENT POSITION AND FUTURE USE.

About two years ago when this thought was first presented at the annual meeting of the Ontario Bee-Keepers' Association, the principle seemed to be something of small value, and but little notice was taken of it. Not long after, however, Mr. James Heddon called attention to it and wrote approvingly, but Mr. Jones thought it was a case of "the survival of the fittest."

Soon after this on page 1,009 C. B. J. for 1887 appeared a letter from the pen of Mr. R. McKnight in which we find the following:

"There are some in the fraternity whose generosity would lead them to squeeze out the weak and the small. They would go still further and circumscribe operations in rural districts by a new force known as 'Priority of Locations,'—root out big and little from towns and villages

and put the business into the hands of specialists."

The new doctrine of priority of location is the most presumptuous of all the claims the monopolists amongst bee-keepers have yet hinted at. "Such a doctrine is begotten in selfishness and opposed to justice."

Listen, while I repeat the striking terms employed—"root out big and little," "the most presumptions," "the monopolist," "begotten in selfishness and opposed to justice." But just how leaving a man to enjoy his chosen locality without the crowding of bees other than his own will so operate as to "squeeze out the weak and the small," and "root out big and little from towns and villages." I confess inability to comprehend and I suppose ordinary mortals will plod on just the same as though that composition had never adorned the pages of the C. B. J.

Amateur Expert writes, "And having done so, proceed to walk into some of the abuses he (James Heddon) so loudly denounces, and then walk into him if he talks of priority of location, etc., and it would all be in good humor." Why, to be sure, A. E., that is the proper way to do things. Then A. E. goes on to say "don't you know that we are free traders and stout upholders of a fair field and no favors? or else how would the priority of location doctrine suit our Canadian brethren when they look for a share of our market?" Replying, will state that I am willing to believe that A. E. has not given the subject due thought, or else he would see that our purposing to assist in placing within the possible reach of England's millions of hungry and poor, who in all probability never in their dear lives have enjoyed the pleasure of eating so much as one pound of honey, is a very different thing altogether from squatting down by another already in the business, to the injury or disaster of both, the dissimilarity will be all the more conspicuous when we reflect that we have plenty of inviting unoccupied fields, and that England must look to the outside world for food or perish. Plainly enough the two cases are not parallel and not comparable.

Mr. W. F. Clarke says: Priority of location is another matter which is attracting much attention among bee-keepers. It is proposed by some to pass a by-law securing to the first comer as a bee-keeper into the neighborhood the exclusive ownership of the bee forage within certain limits. Well, I must say that if such legislation has ever been proposed or even hinted at, it has entirely escaped my notice. I cannot help thinking, however, that Mr. Clarke was drawing upon a much-abused imagination when he penned that statement. But the President, still

believing in priority of location, in his annual address of a year ago again called attention to it. Now permit me to give a few quotations to show that the principle has taken deep root in the better judgments of bee-keepers generally, the fruits of which will be sweet and refreshing to many in the business.

Mr. Allen Pringle says: As to who ought to engage in bee-keeping and who may engage in it, these are questions which each individual has the natural right to decide for himself, so long as he keeps within both the moral and the civil law. When the latter excludes him from corporations he has no right to violate it, and when the former excludes him from preoccupied ground he has no moral right to violate that either.

From a dialogue between Prof. Cook and Dr. C. C. Miller at Chicago, N.A.B.K.A., I gather that Prof. Cook also believes in the principle.

Mr. D. A. Jones now not only concedes to others priority of location, but advocates it as well; listen, "to me it seems that the question of priority of location bothers some more than it need. There are those who make comparisons of bee men and store-keepers, etc., but such comparison is not applicable." Then again he says, "with these points in view no practical man will seek entrance to a section of country already comfortably occupied."

And now we may rejoice in the fact that priority of location, backed up by sound public opinion, "has come to stay," until the time shall come when in the march of progress on all sides apiculture shall receive that attention from the people and from legislators that its growing importance merits, and it shall be placed upon a legal and therefore upon a more solid and satisfactory basis; when justice through wise legislation can be done to all the people; and even then the principle of "Do unto others as you would that they should do unto you" will be of service in the new order of things as an outside guard to watch and ward off the operations of unprincipled parties who may be disposed to appropriate that which belongs to others. And now in conclusion I will say that because I have enjoyed the privilege of collecting the nectar from my neighbor's fields, orchards and forests, for a dozen years and more, and that although during all these years I have done them good and not evil, that all this does not make me the owner of the nectar of future years—without a doubt in my mind it belongs to the owners of the soil, whose it is, and who have a right as a community to control the disposal of it in a just and equitable manner, just as surely as they have the right to dispose of any other valuable pro-

duct of the soil. But in the meantime let us all appreciate and rejoice in the security that the priority of location principle affords us. I am strongly impressed with the conviction that any bee-keeper who in future shall introduce himself upon preoccupied ground will realize that publicly opinion justly censures him.

Belmont, Ont., Canada, Dec. 27th, 1888.

This paper produced a lively discussion in which a number of those present joined and all admitted that the doctrine as set forth was absurd. Mr. Holterman who read the paper explained what Mr. Pettit really meant by Priority of Location as that gentleman had forgotten to give his views in his paper.

WINTERING.

Mr. Rowand asked for information on this subject and especially with reference to what was considered by the convention the proper time to place bees in winter quarters.

President Emigh explained that he usually set them in anytime after Nov. 1st.

Mr. Corneil answered likewise and caused a laugh by referring to the explanation given by Mr. Jones in this particular some years ago, when he said: "Place them in winter quarters the last fine day before winter sets in." Mr. Corneil explained that it was impossible for him to find out just which was the last fine day.

Rev. W. F. Clark thought they should be placed in winter quarters as soon as they had expressed a desire to hibernate. The consensus of opinion was that bees should be put into winter quarters a good deal earlier than was the common practice.

TAKING OFF COVER.

In answer to a question President Emigh stated that there were some who practiced leaving the covers on but the majority preferred to have them off while the bees were in winter quarters. He was in favor of the latter plan though he had left the cover on a good colony a year ago throughout the entire winter and found the colony came out in splendid shape in the spring. The hives used were the Jones combination. Mr. Picket takes off the rain cover as soon as the colonies are quiet in cellar. He then raises a corner of the quilt as

little as possible and allows it to fall back of its own accord.

Mr. Corneil thought the ventilation of the hive more important than the ventilation of the cellar. It was important that the cellar should contain good air and the impurities created in the hive should be passed off as much as possible. In speaking of proper ventilation he explained that the paper which he intended reading would cover the ground pretty thoroughly.

IS IT DESIRABLE TO HAVE YOUNG BEES IN THE COLONY BEFORE THEY ARE READY TO SET OUT.

Mr. Anguish did not think it was.

Mr. Rowand thought that the colonies in which young bees were found before the colony was taken out of winter quarters gave the best results, and he had particularly noticed this for three years in cellar wintering.

OUTDOOR WINTERING.

Mr. John Miller gave his experience of twenty years. At first he had been almost too kind to his bees and killed them with kindness. He at first kept them in the house and looked at them regularly throughout the entire winter to see that they were getting along all right. By the 1st March he found that while he had the hive, yet there were no bees and colonies at that time cost \$20. He used the Thomas hive. He had tried an experiment as to the amount of food consumed with twelve colonies and found that the loss was from 6 to 12 lbs in out-door winter covering in the period of six months. He now winters out doors entirely in single clamps on summer stands with six inches of sawdust packing, with the full entrance immediately at the hive inside, while outside the entrance was two square inches. He set a shanty roof covered with tin over the clamps; preferred hard wood sawdust very dry; gave bees a space of $\frac{3}{8}$ of an inch over the tops of frames, and usually left them packed until the end of May or first of June; preferred to keep them right on their summer stands as he did not have time to move them and clamp in bulk.

Mr. F. A. Gemmell was requested to describe his method which appeared in the C.B.J. page 587. It will therefore be unnecessary for us to repeat it here.

Mr. McKnight practiced the same method of wintering as Mr. Miller, excepting that his cases were larger and held more colonies. At his farm apiary he winters out-doors, grouping them in clamps. Last year he lost quite heavily, but this he attributes to the use of damp sawdust. He believes that there was a difference of 100 per cent. between the amount of honey consumed outside and inside, the latter having the advantage, but he had always noticed that there was more spring dwindling with colonies wintered in-doors than with those which were left on the summer stands. He had found corkdust a splendid article for packing.

Mr. Bellamy, of Everett, in speaking of wintering bees in clamps out-doors, suggested the very convenient way of placing them so that time would be saved in moving them into position in fall. He placed them in two rows at whatever distance apart he intended them and had the rows alternating with each other, then when it was necessary to move them in the fall he would take the back row and move two of the hives up towards the front row. He would then move the hives in the front row back. He claimed and with a good show of reason that the bees could be moved much farther forwards or backwards than they could be sidewise, and the inmates of the hive would not lose the location in the spring. The same method was followed when it was required to move them back to the summer stands again.

The convention then adjourned till the next morning.

Second Day.

The first business proceeded with at this session was the election of officers, which resulted as follows:

President—Rev. W. F. Clarke.

Vice " Martin Emigh.

DIRECTORS.

- | | |
|----------------|---------------------------|
| District No. 1 | No representative. |
| " " | 2 J. K. Darling, Almonte. |
| " " | 3 M. B. Holmes, Delta. |
| " " | 4 Allen Pringle, Selby. |
| " " | 5 S. Corneil, Lindsay. |
| " " | 6 W. Couse, Streetsville. |

- District No. 7 A. Picket, Nassagawayá.
 " " 8 Will Ellis, St. David's.
 " " 9 D. Anguish, Brantford.
 " " 10 R. McKnight, Owen S'd.
 " " 11 F.A. Gemmell, Stratford.
 " " 12 R. E. Smith, Tilbury C'r.
 " " 13 F.H. Macpherson, Beeton

AUDITORS.

W. P. Taylor, Fitzroy Harbor.
 R. F. Holtermann, Brantford.

At this juncture the mayor of Owen Sound came into the room and was introduced in a few nicely worded sentences by Mr. McKnight. He welcomed the bee-keepers of Ontario to Owen Sound in a very hearty manner and spoke of the enthusiastic bee-keeper which Owen Sound possessed in the person of Mr. McKnight. Retiring President Emigh very gracefully acknowledged the compliments paid by the mayor to the bee-keepers, and hoped that when next they met in Owen Sound they would be meeting not in a town but in a city.

The question of the next place of meeting was then decided, Belleville being the place chosen, the date set being the second Wednesday and Thursday of January, 1890.

On motion of Mr. McKnight, seconded by F. H. Macpherson, it was resolved that a special general meeting of the O. B. K. A. be held at Brantford at the same place and time as may be set for the International Bee-Keepers' Association meeting, whenever that may be, and that the president, vice-president and board of directors of the O. B. K. A. be delegates to the meeting of the International Association.

It was then moved that the association go into committee of the whole on the president's address.

The committee rose and reported recommending that the date of affiliation of local societies be changed from Nov. 1st to May 1st of each year, also that the board of directors be instructed to set apart a special amount to be divided amongst the affiliated societies.

The resolution expressing the satisfaction of the convention with reference to the appointment of Hon. Chas. Drury as Minister of Agriculture, was then passed. We omitted to get a copy of

this resolution, which, however, we will give at a later date.

The association then adjourned for dinner.

AFTERNOON SESSION.

Mr. Corneil proceeded to the reading of his paper on

THE VENTILATION OF HIVES IN WINTER.

Our space will not permit of our giving Mr. C.'s paper in this issue, but it will appear next week. Suffice it to say that Mr. C.'s paper was exceedingly interesting and was perhaps one of the best ever presented to a convention. Each stage throughout the whole paper was explained by experiments which seemed to prove conclusively the arguments set forth in the paper.

The paper by Allen Pringle was next read, entitled "Bees for pleasure and bees for profit."

BEES FOR PLEASURE AND BEES FOR PROFIT.

The number of persons who keep bees merely for the pleasure of the thing is probably very small, compared with those who keep them for the profit that is in them. A few, however actuated by the spirit of research, or by curiosity, or a love of natural history, or perhaps in quest of recreation and health, keep bees without the usual dollars and cents motive. I think I will be quite safe in assuming that every member of the Ontario Bee-keepers' Association, however much pleasure he may get from his bees, has, at the same, his weather-eye open for the profit—be the same more or less.

Wherefore, I may, I think, dismiss this minority class of pleasure apiarists with this brief reference, throwing after them our very best wishes, if not our admiration, and turn attention briefly to

BEES FOR PROFIT.

It appears to me that the bees-for-profit-man also gets a great deal of the pleasure, especially when the profits are large. There is one advantage he has over the other fellow. It is almost astonishing how pleasant nearly every kind of business (or no business) will become to a man when it "pans out" properly. This is human nature as it is—what it ought to be we will leave for those who come after us. I shall, therefore, very briefly consider the question of

BEES FOR PROFIT.

In the first place I think bee-keeping pays best in connection with some other business. I would not care to advise any friend to go into the business of bee-keeping, as an exclusive

means of support. The past few seasons have brought to light new and better conclusions on this subject. If, like Manitoba farms, and their wheat, we could raise so much honey that we could afford to go without any the next year, the case would be different. But as the profits of bee-culture, at best, are only say good, or in the fairly living line, the specialist with nothing else to fall back upon, will occasionally find himself coming "out of the little end of the horn," as he comes out of his fiscal year.

As to what kind of business may be profitably supplemented by bee-culture, that depends upon circumstances, and must be decided by each one for himself. The farmer naturally thinks that bee-keeping ought to be in association with farming or some branch of agriculture. So of the school-teacher, mechanic, and others. Although the unavoidable drawbacks to bee-keeping for profit are numerous enough and formidable enough, much, very much, as in everything else, depends upon the man. There are certain conditions of success in every business. Only in rare cases do people stumble upon profitable success. We must work for it and the work must be well directed. The bee-keeper who succeeds and makes the business pay must work well, with his hands and still better with his head. To come down from the general to the particular he must have the right kind of bees in a good style of hive, and then must look after them as carefully and intelligently as he would his stock or even the children. What might be the best hive for somebody else might not be the best hive for him, and the same of bees. For lady bee-keepers and timid men I should recommend the Carniolans or Italians. In hives, the Jones or Langstroth for amateurs is easily handled. So long as the hive is a good movable frame, not so much depends upon it as upon it as upon the man, and strict attention to business."

The profits of bee-keeping are materially affected by the mechanical part of the business. To economise in this the bee keeper ought to make himself handy with tools, and get everything made and ready during the winter months when he has time.

The profits are also largely affected by the bee-keeper's method of marketing. He may have a good crop and fool it away as I have seen people do more than once. He gets in a great hurry to sell it as soon as he gets it, and either consigns it to some unknown and irresponsible commission man or unloads it upon his local market just for what it will bring. In either case the result as to profit is generally not profit, but loss. I would say, be patient in

marketing, and sell at home. As a rule leave the commission man alone. When you have a surplus from the home market, send your sample ahead, make your bargain, and then ship according to agreement C. O. D. When you cannot sell for cash (as also happens with excellent home customers) resort to *barter*—goods for goods—and these can always be used or turned to account some way. I know of but one way to make bee-keeping pay, and that is to handle the bees and their products as they ought to be handled. As to how, in detail, both ought to be handled, each must learn for himself by observation, reflection, experience, books, bee journals, etc., etc.

ALLEN PRINGLE.

Selby, Ont.

Votes of thanks were passed to the gentlemen who presented papers, and on motion the Hon. Charles Drury was elected an honorary member of the association.

THE BY-LAWS REVISED.

The meeting on motion went into committee of the whole to revise the by-laws of the association. Quite a number of additions and amendments were made. The by-laws as revised will appear in a later issue of THE JOURNAL. Votes of thanks were passed to the mayor and town council for the use of the council chamber, and to the retiring officers.

The convention then adjourned.

From The American Bee-Journal.

COLORS AND BEES.

ARE BEES ATTRACTED BY COLORS OR ODORS ?

WHETHER or not bees are "attracted by color of flowers," is, no doubt, a matter of supreme indifference to the majority of bee-keepers; and if the question were asked as to the number of a bee's legs, some would say four, others six, or *Ich weiss nicht*. All are agreed, however, that bees "get there all the same," whether attracted by scent or color, and that is sufficient for their purpose, when the hives are being rapidly filled with honey.

In a scientific point of view, it may be interesting to glean all the facts concerning the habits of the busy little workers, and if it is finally determined by scientific research, that flowers of a particular hue are most attractive, those who "plant for honey alone" will be enabled to select the best varieties. In this con-

lection alone, as I view the subject matter, can the final determination of the question be of the highest importance to the fraternity.

I agree with Prof. Pammel in this, "That odor is important in attracting insects." I also coincide with the statements based upon experiments made by Sir John Lubbock and Hermann Muller, that "bees possess an acute color-sense, readily distinguishing such colors as blue, green, orange, red, white and yellow."

As the question is chameleon hued, I can argue both sides, for I believe that bees are attracted by "scent," and "color" also.

During the term of bloom of a certain honey-plant that I raise, our bees are constantly hovering over them, attracted, no doubt, by both, "scent and color." When I thresh out the seeds in the fall, bees are constantly alighting on the dry stalks in such numbers as to be annoying at times.

My usual threshing floor is on the roof of a hen-house 8 or 10 feet from the ground. As they cannot expect to extract honey from the old, dry stalks, it seems they are attracted by the odor, which is very pungent and lasting. I am never interviewed when gathering and threshing "turnip seed."

It cannot be said that bees are attracted to me, by reason of my elegant (?) form, being nearly six feet one way, lean as a fish-pole, and homely as—

A. C. TYRREL.

Madison, Neb.

SUNDRY SELECTIONS.

JOHN NEIL.—I will now give you a short report of my season's work among my bees. I use two-storey Jones hive, and my bees were strong to start work in the honey season, and from 15 colonies I took 855 lbs. of surplus, and fed back 50 lbs. I sold this honey for a fair price—from 10 to 15 cents per lb.—and could have sold much more if I only had it to dispose of. So I consider I have come off fairly well, and have lost nothing even though the season has been a very poor one.
Lientry.

JOHN M. SWAN.—We have had a very poor season for honey this year, the forepart of the season was very good only too dry, and the drouth lasted till the last of July with cold nights and high winds which is not good for honey gathering. After the first of August we had plenty of rain with very little sun. There was a good show for fall honey, but the weather was so cold and wet the bees could not leave the hive. There has been very little surplus honey gathered here this season, about 10lbs per colony spring count. Bees went into winter quarters in very poor shape, some of the stores not being

capped over. I hope to have a better season next summer.

Tweed Side, York Co. N. Jan. 7, '89.

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Any of the above clubbed with the CANADIAN BEE JOURNAL at 75 cents extra.

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Best white comb in one pound sections 16 and 18 cts. Supply not large but equal to the demand. Beeswax 22 and 23 cents.

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THERE have been few more marked successes in journalism than have been achieved by the CANADIAN LIVE-STOCK AND FARM JOURNAL, of Hamilton, Ont. Though devoted especially to stock raising, it includes The Farm, The Dairy, The Apiary, Poultry, Horticulture and The Home, so that for the general farmer, or such farmers as make live-stock breeding in any of its departments a leading feature of their business, we do not know where to find its equal in Canada. We heartily recommend it to our patrons as the leading agricultural paper in the Dominion. Price \$1.00 per annum. A beautiful lithograph of the Ontario Agricultural College and Experimental Farm, Guelph, is given to every subscriber for 1889. We can furnish it and our own paper together from now to December, 1889, for \$1.75. Call at our office and see sample copy, also lithograph.



9 Cords in 10 Hours
 Runs Easy
 NO BACKACHE.
BY ONE MAN. Greatly improved. Also **TOOL** for filing saws whereby those least experienced cannot make a mistake. *Sent free with machine.* To others, for common cross-cut saws, by mail \$3.00. Hundreds have saved \$5 to \$1000 daily. We want all who burn wood and all interested in the timber business to write for our Illustrated Free Catalogue. We have exactly what you want, the greatest labor-saver and best-selling tool now on earth. First order from your vicinity secures agency. No duty to pay. We manufacture in Canada. **FOLDING SAWING MACHINE CO., 508 to 511 So. Canal Street, Chicago, U. S. A.**

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E. L. PRATT, Pub., Marlboro, Mass.

A 16-page Monthly devoted to Queen Breeders and Queen Rearing. Price 50 cents a year. Send your name on postal and receive a sample copy of this bright new journal. Address, The Q. B. Journal, 175 Main St., Marlboro, Mass.

PRICES CURRENT

BEE SWAX

Beeton, Jan. 16, 1889.
We pay 33c in tradé for good pure Beeswax, delivered at Beeton, at this date, sediment, (if any), deducted. American customers must remember that there is a duty of 25 per cent. on Wax coming into Canada.

FOUNDATION

Brood Foundation, cut to any size per pound.....50c
" " over 50 lbs. " ".....48c
Section " in sheets per pound.....35c
Section Foundation cut to fit 3x4 and 4x4, per lb. 50c
Brood Foundation, starters, being wide enough for Frames but only three to ten inches deep...48c

PREMIUM LIST.

The following premiums are now offered to readers of the CANADIAN BEE JOURNAL. We have made special arrangements for the purchase of these articles, and are in a position to make the offer we do. One dollar must be sent with every name that is sent in, though they do not need to be sent all at one time, nor from one post office. The subscribers may be either new or old. If working for any of these premiums, the person so doing must advise us of the fact when they send in the first names. All articles which have to be sent by freight or express, will be sent, charges to be paid by recipient:

- TWO NAMES WITH \$2—**
- One copy Heddon's Success in bee culture 50
" " Hutchinson's Review, one year 50
- THREE NAMES WITH \$3—**
- One copy Miller's, Year among the Bees. 75
" Automatic Fountain Pen..... 75
- FOUR NAMES WITH \$4—**
- One copy Cook's Manual..... \$ 1 25
" " A.B.C.—Root..... 1 25
" " W'kly Globe to 31st Dec. 1889. 1 00
" " " Mail " " " 1 00
" " " Empire " " " 1 00
" " " Western Advertiser 1 00
" " " Witness, Montreal..... 1 00
" " Gleanings, one year..... 1 00
" " American Bee Journal, one yr. 1 00
One year's subscription to any \$1 weekly or monthly published in either Canada or the United States..... 1 00
One Smoker, No. 2, plain..... 1 25
" Honey Knife, ebony handle..... 1 15
Two best Canadian Feeders, made up.. 1 05
One Mitchell Frame Nailer..... 1 25

- SIX NAMES WITH \$6—**
- One Force Pump with Sprayer..... 2 00
" pair Rubber Gloves, post paid..... 2 00
" Comb Carrying Bucket..... 1 50

- EIGHT NAMES WITH \$8—**
- One set Anatomical Charts, with key.... 2 50
" Queen Nursery (20 cages)..... 2 50
" Uncapping Arrangement..... 2 25

- TEN NAMES WITH \$10—**
- One No. 1 Wax Extractor..... 4 00
" Heddon H. (made up) complete, ptd. 3 25

- TWELVE NAMES WITH \$12—**
- 1000 Sections—one piece—any size..... 4 50
One Copying Press, Simplex..... 4 50
Individual right, Heddon Hive..... 5 00
One Ripening Can..... 4 50
" Beé Tent—netting cover..... 4 00

- FIFTEEN NAMES WITH \$15—**
- Seven Combination Hives, fitted up for extracted honey, with second story... 6 30
One Extractor—any size frame—old style gearing..... 7 00
One Lawn Mower, best make, 12 in..... 6 50

- EIGHTEEN NAMES WITH \$18—**
- One Farmers' Union or Family Scale, 1/2 oz. to 240 lbs..... 8 00
One Extractor—best made—to take any size frame..... 8 00

- TWENTY NAMES WITH \$20—**
- 10 Combination Hives, for comb honey. 9 00
10 S. W. Jones Hives and Frames..... 8 30

- TWENTY-FIVE NAMES \$25—**
- One Union or Family Scale, 240 lbs. with tin scoop..... 10 45

- THIRTY NAMES WITH \$30—**
- 3000 Sections—one piece—any size..... 13 00

- THIRTY-FIVE NAMES WITH \$35—**
- Two Colonies Bees with good queens... 16 00

- FORTY NAMES WITH \$40—**
- 5000 Sections—one piece—any size..... 20 00
One Portable Platform (19 x 14) Scale, 500 lbs. with wheels..... 18 00

- FIFTY NAMES WITH \$50—**
- Three Colonies Bees, good queens..... 24 00

- SIXTY NAMES WITH \$60—**
- One Farmers' Platform Scale, with wheels 1,200 lbs., steel bearings..... 26 00

- SEVENTY-FIVE NAMES WITH \$75—**
- 50 Combination Hives, for comb honey.. 31 50

- ONE HUNDRED NAMES WITH \$100—**
- 50 Langstroth Hives..... 37 50

- ONE HUNDRED AND FIFTY NAMES WITH \$150—**
- One Combined Barnes' Foot Power Machine..... 60 00

- TWO HUNDRED NAMES WITH \$200—**
- 10 Colonies Bees in Combination Hives, with good laying queens..... 80 00

THE D. A. JONES CO., LD.
BÉTON, ONT

USEFUL GOODS.

The following is a partial list of small wares, tools and stationery, which we carry in stock. Additions are constantly being made. We buy in very large quantities, and are therefore able to quote rock bottom prices. There is always something in these lines you want and they can be enclosed with other goods or sent by mail. The amount of postage is marked opposite each article, except those excluded from the mail.

5 CENT ARTICLES.

Postage.		Per 10 lots.	Per 25 lots.
3	Awls, brad, three assorted without handles.....	\$ 75	\$1 00
1	Blotting paper, 10 sheets note size.....	40	88
3	Bag for school books.....	45	1 05
2	Brush, round, for paint, paste or varnish.....	40	95
1	Chisel handle.....	45	1 10
3	Crayons, colored drawing.....	45	1 00
1	Eraser combined ink and pencil	45	
1	Letter openers, nickle plated, very handy.....	40	
1	Memo books, 32 pages, stiff cover.....	40	90
	Note paper, 1 quire, extra quality, ruled or plain.....	40	80
2	Pad 100 sheets scribbling paper	45	
1	Pass books 3 "Railroad" 16 p. paper cover.....	45	1 00
1	Pass books, 2 Steamboat 32 p.p.	45	1 00
1	Penholders 2, cherry, swell....	40	
1	Ruler, hardwood, flat, graduated to $\frac{1}{8}$, bevelled.....	45	1 05
1	Ruler, for school children, three for 5c.....	40	90
2	Scribbling books, 200 pages....	40	90
	Tacks, cut, 2 papers 1, 2 or 3 oz.	45	

8 CENT ARTICLES.

	Butter stamps 3 or 4 inches....	\$ 75	\$1 75
	File, 3 corner, 3 or 4 inches....	75	1 75
	Ink-well, glass, safety, cannot spill.....	65	
	Mucilage, good sized bottle....	70	
	Oil cans, zinc.....	65	
1	Pencil, automatic indelible....	75	1 75
6	1 doz. Lead Pencils, No. 852, very good.....	75	
1	Time books for week or month.	75	

10 CENT GOODS.

	Bill fyles, harpshape.....	\$ 90	2 10
2	Book of 50 blank receipts with stub.....	85	2 00
2	Book of 50 blank notes.....	85	2 00
2	Brush, flat, for paint, paste or varnish.....	80	1 90
3	Butter spades 9c. each.....	80	1 90
2	Boxwood pocket 1 foot rule....	90	2 10
	Chisel, firmer $\frac{1}{4}$ inch.....	90	

Postage.

	Per 10 lots.	Per 25 lots.
2	Clips for holding letters, etc....	90 2 00
	Due bills, 100 in book with stub	85 1 80
2	Envelopes, 3 packages, white, good, business.....	95
2	Files, 3 cornered, 5 inch.....	90 2 10
3	Lead pencils, 1 doz. plain cedar Fabers 581.....	90
2	Lead pencils 3 red and blue....	90
2	Note heads, pads of 100 sheets..	90
	Paint brush, No. 7.....	
2	Pocket note book, 3x5 in., 125 pages, stiff cover with band grand value.....	90
1	Rubber bands, five, large.....	80
1	Ruler, brass edged, flat, hardwood, bevelled, graduated to $\frac{1}{8}$ inch.....	95 2 25
4	School bag, medium size.....	90 2 10
	Tacks, cut, 3 packages, 4 oz.....	90

13 CENT ARTICLES.

2	Belt punches, Nos. 2, 3, 4, and 5	1 25	\$3 00
	File, 6 inches long, flat.....	1 25	2 90
	" 5 " " round.....	1 25	2 90
	Shce knives, 4 inch blade.....	1 20	2 75

15 CENT ARTICLES.

	Chisel, firmer, $\frac{1}{2}$ and $\frac{3}{4}$ in.....	1 45	
12	Dextrine, $\frac{1}{4}$ lb. pkg. for pasting		
	Glue, 1 lb. ordinary.....	1 30	
	Hammer, iron, adze eye.....	1 45	
3	Lead pencils, 1 doz., good quality, Faber's 971.....		
5	Note paper, 5 quires, 3 lbs., extra value.....	1 40	3 35
	Paint brush, No. 5.....		
6	Rubber bands in gross boxes.		
	For queen nursery.....	1 30	
4	Rule, 2 foot, a splendid line....	1 40	3 40
	Screw driver, 5 inch, round bit, hardwood handle.....	1 40	
2	Statement heads in pads of 100	1 20	
	Tack hammer, magnetic.....	1 40	3 30
12	Papeterie, 24 sheets fine note paper and 24 square envelopes in neat box.....	1 40	3 35

18 CENT ARTICLES.

	Bit, best make, $\frac{1}{2}$, $\frac{3}{4}$, $1\frac{1}{2}$	1 65	4 00
	Glue, LePage's liquid, with brush	1 65	
	Oilers, automatic.....	1	

20 CENT ARTICLES.

Postage.	Per 10 lots.	Per 25 lots.
Bit, best make, $\frac{3}{8}$, 7/16, $\frac{1}{2}$, 9/16..	1 90	4 50
Brass traps.....	1 85	4 50
Brushes, flat, 2nd quality, $1\frac{1}{2}$ in. paste or varnish.....	1 80	4 25
Chisel, firmer, inch.....	1 90	
Ebony ruler, bevelled for book-keeper.....	1 90	4 50
File, 8 inch, flat, round or 3 corner.....	1 90	
Glue, 1 lb. light, broken.....	1 75	
3 Lead pencils, 1 doz. 201 good value, rubber tipped.....	1 80	
Paint brush, No. 3.....		
12 Papeterie, "Jubilee" containing 24 sheets, ivory notes, 24 square envelopes.....	1 80	
6 Pens, gross box "292 school"....	1 80	
11 Pocket memo book, indexed....	1 90	
Screw-driver, steel, 6 inch rd bit	1 90	
Square, iron, grad. to $\frac{1}{2}$ one side	1 90	
Thermometer.....		

25 CENT ARTICLES.

6 Cards, 50, ladies or gents' visiting. Piries' super ivory...	2 00	4 50
2 Duplicate order books, with black leaf.....	2 00	4 50
File, 10 inch, flat.....	2 25	
8 Lead pencils, 1 doz. Faber's H, H. B., B. or B. B.....	2 30	
Paint brush No 1.....		
Rule, 2 foot, boxwood.....	2 30	
Tape Lines, "Universal," 3 ft..	2 30	

30 CENT ARTICLES.

8 Bills payable and receivable....	2 85	6 90
Bits, best make, 10/16, $\frac{3}{8}$, $\frac{1}{2}$	2 85	6 90
250 Envelopes, Ladies', square.		
5 Foolscap, 2 quires, extra quality	2 80	
4 " legal, in pads of 100 sheets.....	2 75	6 00
Inkwell, square, glass, bevelled edges.....	2 75	

35 CENT ARTICLES.

Bit, best make, inch.....	3 40	8 20
Hammer, steel face, for light work.....	3 30	
Square, grad. to 1/16 both sides	3 30	

40 CENT ARTICLES.

Foolscap, 5 quires, good quality	3 75	
Hammer, No. 50, steel head, adze eye.....	3 60	
Pens, gross box, 'Bank of Eng.'	3 80	
" " Blackstone or J.	3 80	
Ruler, 2 foot, boxwood, brass bound.....	3 60	

50 CENT ARTICLES.

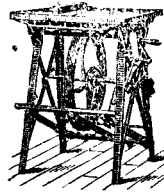
Binders, CANADIAN BEE JOURNAL	4 80	
Blank books.....		
Day book, 200 p. p. good paper, well bound.....	4 25	
Cash " " ".....	4 25	

Postage.

	Per 10 lots.	Per 25 lots.
Ledger " " ".....	4 25	
Minute " " ".....	4 25	
Complete set, Cash, Day and Ledger, \$1.25.....		
200 page Day Book, canvas cover good paper, exceptionally low		
Carpenter's brace, pat. grip, 8 in	4 85	12 00
Envelopes, good, business size, 250 in box.....	4 00	
250 Envelopes, Ladies' square, very goods.....		
Hand saws, 18 and 20 in., best make.....	4 50	
Hammer, No. 51, steel head, adze eye.....	4 50	
Hammer, smaller, frame nail'g	4 50	

SUNDRIES.

Automatic Fountain Pen, the finest thing out; holds enough ink to last a week; always ready; can use any style of pen that suits you, and can change it as often as you wish—a marvel of cheapness—by mail, post paid, each.....



Barnes' Foot Power Machinery—We are agents for these in Canada, and can furnish the Combined Machine delivered in Toronto, freight and duty paid for..... We will gladly forward descriptive Catalogue & price list on application.

Copying press, "The Simplex," the most rapid and the easiest handled. Folds like a book and weighs but 10 lbs. With lock, \$5, without....

Hammer, No. 47, steel head, adze eye a most substantial implement....	60
Hand saw, 26 inch, finest quality....	55
Hatchet, steel, with hammer and nail puller.....	65

Lawn Mowers—The new Philadelphia pattern, as made by the Gowdy Mfg. Co., Guelph, at prices as follows:—

10 inch cut.....	5 75
12 ".....	6 25
14 ".....	6 50
16 ".....	7 25

We ship these direct from the factory at above figures.

Letter books, with index, bound in canvas, 500 pages.....	1 10
Letter books, with index, bound in canvass, 1000 pages.....	2 00
Plane, iron block.....	75
" wood smoothing.....	80
Post cards printed to order, 50 \$1, 100	1 40
Square, steel, grad. both sides, usual price, \$1.75.....	1 35
Soldering outfit, consisting of soldering iron, scraper, bar of powdered resin.....	75

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F. H. MACPHERSON, Sec.-Treas.

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Manufacturers of and Dealers in Apiarian Supplies

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Publishers Canadian Bee Journal.

Fine Book and Job Printers.

DISCOUNT NOTICE.

As is our usual custom we now offer discounts for fall and winter orders. We desire it to be understood that we do this principally to avoid the crowding in the rush at springtime. We can always fill the orders to better advantage and take more pains when we are not crowded. This of itself is a good thing for the customer, and when to this is added the discount which we allow off catalogue prices, it will be well worth trying. Up to January 1st, 1889, our discounts will be as follows:

10 PER CENT.

Hives, Sections, Honey Extractors, Honey Boards, Section Frames, Section Cases, Frame Nailers, Wire for Frames & Rests, Smokers, Hive Clamps, Honey Knives, Wax Extractors, Bee Tents, Comb-carrying Buckets, Comb Baskets, Bee Guards, Ripening Cans, Uncapping arrangements, Bee Veils, Queen Nurseries, Labels, Anatomical Charts.

5 PER CENT.

Nails, Perforated Metal, Comb Foundation, Force Pumps, Feeders, Rubber Gloves, Introducing Cages, Tins, Shipping Crates, Honey Glasses, Sealers, Dextrine, Wire Cloth, Mosquito Bar.

All other goods in our Catalogue are subject to the prices found therein. For January the Discounts will be 8 per cent and 4 per cent, respectively; for February 6 per cent, and 3 per cent.; March 5 per cent, and 2 per cent. No discount after April 1st. These prices of course are for cash with order. We have a big stock of almost everything on hand, and can ship at short notice. Catalogue free on application.

1-LB. GLASS JARS. SCREW TOP.



We are just advised of shipment from the factory of the first instalment of 50 gross of the above. They are put up in barrels and hogsheads, (the latter for our own local use), and to save breaking bulk when shipping, we append below a table, of the qualities of which the shipment consists, together with the prices per barrel.

In estimating the price, we have calculated the same as for full gross lots, an allowance of 20 cents being made for each barrel and packing (they cost us 35 cents).

No. of Barrels.	No. of Doz.	Price..
1	8½	\$ 6 25
1	8¾	6 45
4	9½	6 75
5	9¾	6 95
4	9¾	7 15
3	10	7 35
3	10½	7 55
2	10¾	7 75
1	11½	8 45

ADVANCE IN NAILS.

Owing to a rise in the prices of nails, we are forced to advance our prices somewhat, as will be seen by the following list. All orders will be filled only at these prices.

PRICES OF WIRE NAILS.

Length of Nails.	No. in Pound	Size Wire	Price of 1 Pound	Price of 10 lbs.
¾ & ½ inch	7200	21	22	2 00
¾ inch...	5000	20	17	1 60
¾ inch...	3880	10	17	1 60
1 inch...	2069	18	12	1 05
1½ inch...	1247	17	11	1 00
1½ inch...	761	16	10	90
2 inch...	350	14	9	80
2½ inch...	214	13	9	75
3 inch...	137	12	8	70

PRICES OF BOX OR HIVE NAILS.

	Per lb.	Per 10 lbs.	Per 100 lbs.
1½ inch.....	7	65	6 00
2 inch.....	6½	60	5 50
2½ inch.....	6	55	5 25
3 inch.....	6	55	5 25

THE D. A. JONES CO., LD.,
BEETON, ONT

APIARIAN SUPPLIES

MANUFACTURED BY

W. T. Falconer, - Jamestown, N.Y.

Are unsurpassed for **Quality** and fine **Workmanship**. A specialty made of all sizes of the **Simplicity Hive**. The **Falcon Chaff Hive**, with movable upper story continues to receive the highest recommendations as regards its superior advantages for **wintering** and handling bees at all seasons. Also manufacturer of **FALCON BRAND FOUNDATION**. Dealer in a full line of **Bee-Keepers' Supplies**.

Send for Illustrated Catalogue for 1888. Free.

W. T. FALCONER.

Bee-Keepers Guide

—OR—

MANUAL OF THE APIARY.

This fifteenth thousand much enlarged and more richly illustrated than previous editions. It has been fully revised, and contains the very latest in respect to bee-keeping. Price by mail \$1.50. Liberal discount to dealers and for clubs.

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STATE AGRICULTURAL COLLEGE,
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250 ENVELOPES }
—AND— } FOR \$1.
250 NOTE HEADS }

On good paper, printed with name and address, post paid.

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BEETON ONT.

THE CANADIAN

POULTRY REVIEW

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Poultry, Pigeon and Pet Stock Fraternity. Circulation always on the increase. Subscription only \$1.00 a year. Address,

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20 Front St. East, Toronto

FRIENDS. IF YOU ARE IN ANY WAY INTERESTED IN

BEEES AND HONEY

We will with pleasure send you a sample copy of our **SEMI-MONTHLY GLEANINGS IN BEE-CULTURE**, with a descriptive Price-list of the latest improvements in Hives, Honey Extractors, Com. Foundation, Section Honey Boxes, all books and journals, and everything pertaining to bee-culture. Nothing patented. Simply send your address on a postal card, written p. 111

A. I. ROOT, Medina, Oh

Money Boxes for Sections.



These are of manilla and made to hold the 4 1/2 x 4 1/2 sections. When the comb honey labels A or B are used (as in illustration) an attractive and highly saleable package results. Price without tape handles, each 1 cent; 100, \$1.00; 1000, \$9.00.

The D. A. Jones Co., Ltd.
BEETON, ONT.

SEND US \$2.50

And we will send you a good serviceable man or boy

Nickle Keyless Watch,

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The liveliest and Best Weekly Paper published in the Dominion. Send your address for sample copy and full particulars. Special terms to bona fide canvassers.

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CHAS. STARK, Publisher, 50 Church St., Toronto.

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TO ALL that are interested in Bees and Honey, send for our Free and Illustrated Catalogue of Apianian Supplies. Address

M. RICHARDSON & SON,
Fort Colborne, Ont

BARNES' FOOT-POWER MACHINERY



Read what J. J. PARENT, of Charlton, N. Y., says—"We cut with one of your Combined Machines last winter 50 chaff hives with 7 inch cap. 100 honey racks, 500 broad frames, 2,000 honey boxes and a great deal of other work. This winter we have double the number of beehives, etc. to make, and we expect to do it all with this saw. It will do all you say it will." Catalogue and Price List free. Address W. F. &

JOHN BARNES, 544 Ruby St., Rockford, Ill. 21

SECTIONS FOR THE MILLION.

We are turning out sections at the rate of 10,000 per day right along, in addition to our regular hive and supply trade, and we are prepared to furnish them in any regular size and style in large quantities at very low rates.

Our prices are as follows :-

1000	\$ 4 50
3000	13 00
5000	20 00
10,000	37 50

All orders entered as received, and shipped with promptness. Order early, to avoid the rush. These prices are spot cash

THE D. A. JONES Co., Ltd.,
BEETON.