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VOL. III, NO. 42

1888

MARCH 21

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.

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The Canadian Bee Journal and.....
Cook's Manual, cloth.....	\$2 25	\$2 00
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C. C. Miller.....	1 75	1 60
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by Rev. W. F. Clarke.....	1 25	1 15

"Foul Brood"

Its Management and Cure.

BY D. A. JONES. NOW READY

This little pamphlet is presented to the Bee-Keeping public with the hope that it may be the means of saving infected colonies from death by fire and otherwise. No expense is required to successfully treat the disease, other than the little time required for fasting.

Price, 10 Cents.

THE D. A. JONES CO., Ld, Publishers Beeton

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.

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QUINBY'S NEW BEEKEEPING, by L. C. Root. Price in cloth, \$1.50.

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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.

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SUCCESS IN BEE CULTURE as practised and advised by James Heddon—price in paper cover, 50 cents.

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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.

SHOW CARDS.

PURE
HONEY
FOR SALE.

Size 12 x 18 inches.

Each.....\$0 05

Per 10.....0 40

These are printed

in two colors and

are useful for hanging in the stores, where your honey is placed for sale. We have also "Bees for Sale," "Apiary Supplies," and others.

Muth's Honey Extractor.

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

CHAS. F. MUTH & SON.

Cor. Freeman & Central Avenues, Cincinnati

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. I. 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 in full 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.

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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
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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

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

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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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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 price list free.

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

49-tf



7½ Cords of Beech have been Sawed by one man in nine hours. Hundreds have sawed 5 and 6 cords daily. "Exactly" what every Farmer and Wood Chopper wants. First order from your vicinity secures the Agency. No Duty to pay, we manufacture in Canada. Write for Illustrated Catalogue sent FREE to all. Address FOLDING SAWING MACHINE CO., 308 to 311 S. Canal St., Chicago, Ill.

BEES

ITALIAN BEES and Queens, 3 frames nuclei, full colonies at the very lowest rates and safe delivery guaranteed. Send for catalogue to E. T. Flanagan, Belleville, Ill.

BEESWAX WANTED

Will pay 30 cents in cash or 33 cents in trade for any quantity of pure Beeswax.

Comb Foundation for sale, to suit any size frame or section. Wax worked on shares or for cash. All freight to Campbellville station C.P.R. If by mail to

ABNER PICKET,
Nassagawaya P.O., Ont.

Agent for D. A. Jones Co.'s supplies.

THE BEE-KEEPERS'

REVIEW.

For February is now out. (It has been delayed by the serious illness of its Editor.) The special topic of this number is, "Temperature" as applied to Bee Repositories. So much information upon this topic has probably never before been gathered together into so small a space. The treatment is exhaustive, and it would seem that nothing more need be said upon the subject.

Among the contributors to this number are such men as R. S. Taylor James Heddon, H. R. Bowdman, T. F. Bingham, J. H. Martin, J. A. Buchanan, and C. C. Miller.

Several pages are devoted to Editorials upon a variety of live topics. There are also choice extracts from the writings of Prof. Cook, C. W. Dayton, C. C. Miller and others.

A detailed list of contents will not be published, as a copy will be cheerfully sent to all who ask for it. Price of the REVIEW 50 cents a year.

THE PRODUCTION OF COMB HONEY.

A neat little book of 45 pages, price 25 cents. The REVIEW and this book for 65 cents. Stamps taken either U.S. or Canadian. Address

W. Z. HUTCHINSON,

Flint, Mich.

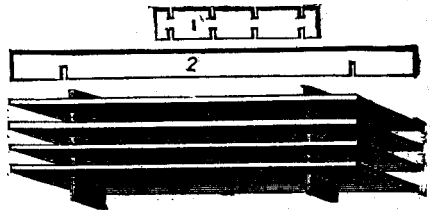
FEEDERS.



We have quite a number of the ordinary Feeders yet in stock which we will sell at 40c each, per 25, \$8.75. These cannot go by mail, so must be sent by express or freight.

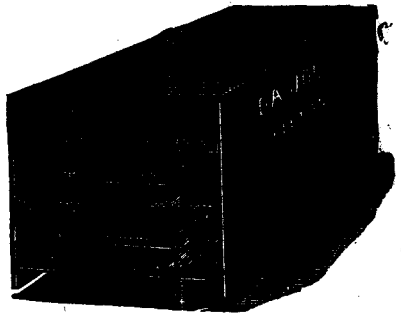
IMPROVED CANADIAN FEEDER.

This is the Feeder spoken of on page 610 of Vol. III of the CANADIAN BEE JOURNAL. It is arranged with the float as shown in the engraving below. Holds 12 to 15 pounds of feed, and may be divided making two feeders if needed.



The price is 50c. each, made up; per 25, \$10.00. In flat each 40c.; per 25, \$8.75.

WINTER FEEDERS.



For feeding in winter, or at any time when the weather is too cold to admit of feeding liquids.

Price each, made up.....\$0 30
Per 10, ".....2 75
Price each, in flat.....20
Per 10, ".....1 75

These are placed above the cluster, filled with candy which is made by taking pulverized or granulated sugar, and stirring it into honey nicely warmed up, until the latter will not hold any more in solution. Allow the mass to stand till both are thoroughly mixed. Then place in Feeders and set over frames, packing around nicely to keep in the heat.

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

BEETON.

PRINTING.

PRINTING

Supply Men, Foundation Dealers,
and Bee-Keepers,

SEND FOR ESTIMATES FOR WHATEVER
YOU REQUIRE IN THE WAY OF

CATALOGUES,

PRICE LISTS,

CIRCULARS,
LABELS,

OR GENERAL PRINTING.

A large number of cuts in stock of
which patrons have free use.

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

up, and of the various parts made up, so that should there be any portions of the hive you do not wish you can easily ascertain what deductions to make.
Sample hive, made up.....\$2 90
Add ten per cent if you wish the hive painted.

PRICES OF PARTS.

	made up flat.
Bottom stand.....	12 09
Bottom-boards.....	15 11
Entrance blocks (two).....	08 08
Brood case, invertible, including set screws and frames wired when made up or punched for wiring in flat.....	60 45
Honey Board (wooden) slotted, invertible.....	10 07
Honey board, metal and wood, invertible	30 25
Surplus case, invertible, including wide frames and separators.....	60 50
Cover, half bee-space.....	15 12
Sections, full set of 28 in flat.....	15 15
Tin Separators, seven to each.....	10 10

The cost of one hive such as you would receive, in the flat, would therefore be (without honey boards of either description) \$2.15. Add the cost of whichever style of honey-board you prefer, and you get it exactly. If you do not designate either we shall always include the wooden-slotted one.

DISCOUNTS IN QUANTITIES.

For 5 hives or more, 5 per cent. ; 10 or more, 7½ per cent. ; 25 or more, 10 per cent. ; 50 or more, 15 per cent. These discounts are off the prices quoted above, either nailed or in flat.

INDIVIDUAL RIGHTS.

We will sell individual rights to make for one's own use, and to use the new hive or any of the special features of Mr. Heddon's invention at \$5. We do not press the sale of these rights, believing that the hives cannot be made to good advantage by anyone not having the proper appliances. We will sell however to those who wish to buy, and for the convenience of such we append a list of prices of what we would likely be called upon to furnish in any event :—

Woodscrews per 100, boiled in tallow.....	\$1 25
Tap bits for cutting threads.....	1 50
Tin Separators, per 100 proper width.....	1 50
Brood Frames per 100.....	1 25
Wide " " ".....	1 50

'Practical Hints to Bee Keepers'

Sent free. Address

American Apiculturist.

Wenham, Mass, U.S.

HEDDON HIVES!



We are the owners of the patent on this hive in Canada, and we are in a position to make and sell the hive gotten up in any shape to suit the purchaser—either in flat or nailed up.

A complete working hive consists of bottom-stand, bottom-board, entrance-blocks, two brood-cases, one honey-board, two surplus cases (in good seasons we often use three surplus cases on the hive at one time) and cover. So that if you order these hives in the flat this is just what will be sent you.

Sample hives we make with the brood-frames wired and the surplus cases supplied with fifty-six 4½ x 4½ 7 to the foot sections. These are designed for testing the complete working hive.

In quoting prices of brood-cases and surplus cases, the set-screws, brood-frames and wide frames with their tin separators are always included, both in flat and made up. We quote the prices of sample hives made

Have You Seen It?

THE

BEE-KEEPERS' ADVANCE

—AND—

POULTRYMEN'S JOURNAL.

Only 25 cents per year, sample copy free. Address

J. B. MASON.

McFalls, Maine.



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

VOL. III. No. 52 BEETON, ONT., MARCH 21, 1888. WHOLE No. 156

EDITORIAL.

A MEETING of the Directors of the Ontario Bee-keepers' Association will be held, at the Albion hotel, Toronto, at 1 p.m., on Wednesday, March 28, for the purpose of deciding what amount of money affiliated societies are to receive, to consider what the members for the current year are to receive, and for matters of business generally. All Directors are requested to be present.

THAT INVENTION AT LAST.

The New Reversible Honey Board and Super Reverser.

THE bell rings! The engine starts!! Everybody get aboard!!! We've got through the snowdrifts at last, and, bye-the-bye, we've had some snowdrifts here for the past few days—three days without mail. These new inventions have been a long time getting here, and perhaps some of you may not think them worth the introduction they have received, but nevertheless here they are, in good time for the coming season. If they should not come up to the standard of your expectations the blame will fall upon others as well as ourselves, and amongst us, we'll be able to stand it. The practical bee-keepers of Canada have already pronounced in favor of them after a thorough examina-

tion; and in two or three instances practical men have tested them sufficiently to know their good qualities, and they speak very highly of the arrangement.

We have long been under the impression that we had too many "chicken-fixings" connected with the production of comb honey, and these have not been had without considerable expense. In these times of close competition and close margins of profit, the least expensive means of production are being looked for, and every energetic bee-keeper is on the lookout for methods whereby the cost of production may be lessened, but not at the expense of the quality of the article produced. We believe that we have found in this the *nie plus ultra*.

Our first reference to this new feature in connection with the production of comb honey was made on page 571, vol. 3, Oct. 5. This was after it had been exhibited at Toronto and Ottawa, and we hoped to have given it to the public long since, but we did not get the engravings until a few days ago.

Our claims for these new features are:—

1. That section honey can be produced with less expense and with less handling than with other hives.
2. The great simplicity of the whole arrangement which adapts itself to the requirements of the merest novice as well as to the skilled apiarist.
3. It can be adapted to any hive in present use at very small cost.

4. The cost of wide frames, section cases, skeleton crates, rests, etc., is done away with.

5. The hive and supers are rain proof and wind proof.

6. The trouble of having the sections propolised together is done away with entirely.

7. A most perfect and exactly correct bee-space is maintained at all times.

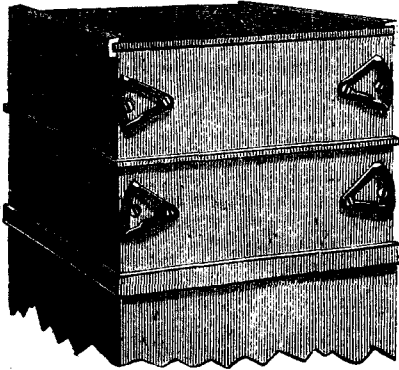
8. There is no shrinking and swelling of wide frames or section arrangements, there being none.

9. The sections may be reversed or interchanged, either by the whole crate or individually, with the utmost simplicity.

10. Separators can be used with this style of super just as readily as with any other.

11. The sections are brought just as close to the brood chamber as it is possible to get them in the tiering up system, and a quarter more sections can be put in every super.

12. There being less weight and bulk the shipping-charges will be much less than ordinary.



THIS CUT SHOWS THE GENERAL APPEARANCE OF THE SUPERS.

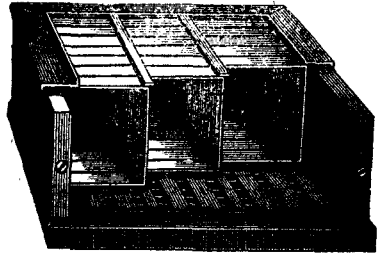
We shall now give our reasons in support of the assertions we made above in the order in which the latter are stated.

The first statement is a very broad one, and can best be proven by a careful comparison of prices, as between hives rigged for comb honey under the regular methods in vogue at present and hives fitted with these new arrangements. Mrs. Partington says that "comparisons are odorous" hence we shall not go into detail.

The second claim we feel is justly made because of the fact that *anybody*—be he an "old-stager" or a novice—can work them successfully. The whole performance consists in simply placing the super on the honey board, filling it with sections; and giving it a flop over when the sections are partly filled

and capped. The machine almost goes itself when once it gets started.

Every super cannot be adapted to every hive, but this one may be, and if the sizes are not too much at variance, the same super can be made to fit all.



IN THIS ENGRAVING THE SECTIONS ARE SHOWN AS RESTING ON THE HONEY-BOARD WITH THE REVERSER COVERING THE JOINTS OF THE SECTIONS.

Pretty nearly every bee-keeper who produces comb honey uses a honey board of some description, and as this kind will cost but a few cents more than the one in ordinary use, there is no increased outlay in this direction, while doing away with the cost of wide frames, section cases, etc., is decidedly not a retrograde movement. Everybody is not going to get right up and throw away their present fixtures. We don't expect that, but we do desire to put those who have yet to purchase their outfit to do so in, what we believe to be, the best way.

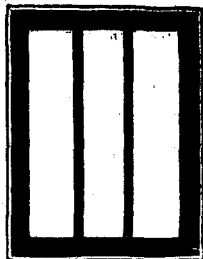
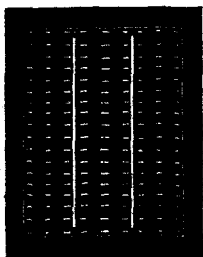
Our fifth claim is a new and novel one, at least it is one which very few hives can take credit for—being rain and wind proof. Many apiarists use the VanDeusen hive clamp to bind the super and hive together, while others use a big stone on top of the cover. This has the effect of making them wind proof and partially protects them from rains, but it is, at best, very unsatisfactory, and is expensive as well. The ledges which project downward around the outside of the honey-board and reverser, catch the edge of the hive and super below them by one-eighth of an inch, thus making the hive rain and wind proof from the outside, while the upward projections on the inside give additional security.

There is always more or less trouble with every kind of super, with respect to having the sections so put in that the bees are enabled to get at the cracks and crevices between the sections, glu-

ing them together, so that it is a hard matter to get them out without breaking. This annoyance is here reduced to the minimum. The raised slats of the Honey-board upon which the sections rest are so wide that they cover the corners of the latter, and keep the under side perfectly free from propolis, while the wide slats in the Reverser cover the top joints and crevices, and do duty for the upper portions of the sections. Then the whole body of sections is held so neatly and tightly together that there is very little room for the bees to get at the edges to glue them together. When the sections are taken out of the super they present a clean tidy appearance, and they can at once be put in the shipping-crate for market.

The beauty of having a correct and perfectly maintained bee space between the supers needs no words of commendation from us. This we have here, in the most perfect manner, and no little hitch or trouble can make any difference, as the bee-space is maintained by means of the thickness of the section rests on the Reverser and cannot possibly vary.

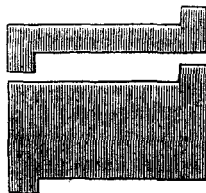
No reasons will be needed for No. 8. Where there are no wide frames or section arrangements of any kind, there can be no shrinking and swelling. The only danger to be apprehended from this source is from the sections themselves, and this trouble is alike common to all sections and all supers.



SHOWING REVERSIBLE HONEY-BOARD AND REVERSER.

Our ninth claim is one which has been agitating the bee-world for some time, and it has been pretty well solved by the use of thumb-screws, wedges, etc. This arrangement, for ease of manipulation and simplicity surpasses them all. With an extra Honey-board and Reverser (one of each is required

for every yard) in hand, the operator goes to the super he wants reversed. If it be the second one above the brood chamber, the Reverser is used. The cover is removed, and the Reverser is laid over the super, the opposite way to what it was when used on the hive, and so that when the whole super is turned over, it will be right side up. When the top reverser is in position the oper-



CROSS SECTIONS OF SIDES OF REVERSIBLE HONEY-BOARD AND REVERSER.

ator stretches his fingers till they get a good hold of the bottom reverser, on opposite sides, and then turns the whole thing over. The sections then slip up into position even with the top of the super, the now upper reverser is removed and the cover replaced; then on to the next hive. If there is but one super on the hive the extra Honey-board is used instead of the Reverser, and the same work is performed. If you should want to change the sections from the outside to the inside row, the Reverser may be taken off, the super lifted, the rows or individual sections interchanged, and the super slipped on again.

The tenth claim requires no explanation; the sections must be sufficiently less in width to admit of the use of the separators between each row.

In support of the eleventh statement, we think, it will be generally admitted that the nearer the sections, and the greater the number to be got in close proximity to the brood-nest the better. The greatest possible number is obtained by this method. Twenty-eight one-pound sections generally go to the 7-frame Langstroth or Heddon super—in the same super thirty-six sections of similar size will go, when arranged on this new plan.

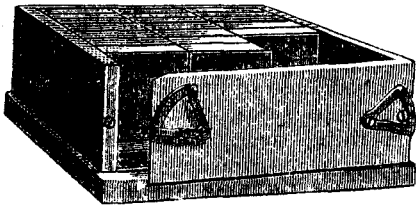
The twelfth claim will speak for itself.

And now we hear somebody remark, "Well, you chaps had better claim the world!" We do want all we can get

of it honestly and fairly. Our claims are all open to the criticism of every reader of the JOURNAL and if need be we will get out a supplement to give them all room. If we have no right to what we have set up, we are prepared to accede to the proper quarter any of the claims made the moment they are proven "not our property,"

THE NEW PORTABLE SUPER.

We do not set up any great claims for this as an invention, but that it is of considerable importance as a labor-saver and simplifier we do aver. By means of a peculiar joint at the corners, the super is brought together squarely and firmly when fastened by a small clamp—similar to the VanDeusen, but



SHOWING PORTABLE SUPER WITH SIDE THROWN OPEN
SO SECTIONS MAY BE REMOVED.

much lighter, and of malleable iron, making it stronger. This super does away entirely with the trouble of swelling and shrinking sections. The clamps can be so regulated that the sections may be tightened or slackened at pleasure, providing they fill the super snugly when first put in. When the super wants reversing follow the plan laid down in a former portion of this article: after being turned over unfasten the clamps a little, and the sections rise into their position without any strain to the latter and with little or no effort on the part of the operator. When nicely filled and you wish to remove them, place the super on any table or other smooth surface, unfasten the clamp at one corner, which breaks any little connections there may be between the sections and super, then lift off the super, and it is ready for immediate use.

The supers are just one-eighth inch deeper than the $4\frac{1}{4} \times 4\frac{1}{4}$ section. They can be fitted to almost any hive. This super was referred to on page 590, vol. 3, where some further information may be had concerning it.

As evidence of what thoroughly practical bee-keepers think of it we append the following memo of prizes:—

PRIZES AT TORONTO.

At the Toronto Industrial Exhibition, in 1887, the "Combination Hive" fitted up with the new reversible queen-excluding honey-board and reversers and with portable supers, took a first prize (7 entries) as follows:

"Best mode of securing the largest yield of comb honey."

Fitted with the second story and with the reversible honey-board, the same hive took another first prize (7 entries) as the:

"Best mode of securing the largest yield of extracted honey."

The portable super, honey-board and reverser took another first prize (5 entries) as the:

"Best section crate for top story and system of manipulation."

And as the "Best and most practical and new invention for the apiarist," (6 entries) the same arrangement took the *Bronze Medal*.

PRIZES AT OTTAWA.

The same hive was awarded first prize at Ottawa as the best "general purpose" hive.

For the Canadian Bee Journal.

Who Shall Keep Bees.

"**W**O be(e) or not to be(e) that is the question." Ignorance is the cause of all failure, and there is no use of talking about who will keep bees and who will not.

Every one has the legal right to keep them, providing they always observe two things in particular, viz.: First, a knowledge of what it is they are undertaking, and any old and successful bee-keeper understands full well what knowledge in that respect means. Any shrewd man can surely tell whether or not he can safely add another branch to his business. Has he time to attend to it; is he willing to learn, if not, he has no moral right to keep bees. It does not do for a man to say, because he owns a lot or farm, that he has a right to buy a few colonies of bees for his own use and set them off in some corner and let them take care of themselves, swarm at will, and go off to the woods and gather hundreds of pounds of honey, die in winter and all is wasted. That wasted honey the specialist ought and would have had, while now it does no one any good. In the end such men fail, and a loss is sustained by their families, which they have no right to cause. I know what I am saying, for I have found it so, largely, in my part of the country.

Three years ago a man bought \$2.00 worth of hives and bees (he was a butcher). When I heard it I said something disparaging about it, he was mad and said, "he guessed he had a right.

to keep bees if he liked." In less than a year the hives were all empty and are now rotting on the ground. Had that man a right to keep bees? No, certainly not, and there are at least twenty victims within two miles of me of the same sort, and new ones just hatching, but it is a fine bonanza for the supply men, who are never ignorant to their own welfare. I do not wish to say anything against the supply men, for they seem to be a sort of necessary evil, for none can do the work so well as they, but lots of men dabble with it to their own financial detriment. One man living near me runs a supply business in connection with his cider mill (4 horse power). He is a success with his cider mill but not with his supplies. Men are naturally adapted for certain kinds of work, and it is a great deal in the liking a man has for his work whether he succeeds or not. Some men can raise wheat and hay, but cannot raise cattle successfully. Some can make cheese, or dig a ditch, but cannot make a stone wall or a fence, and so on all the way through the list. A few years ago a farmer near me planted three acres of strawberries. He had a right to do so. The land was his own, but alas he did not count the cost. He lost two seasons work and got but few berries, but raised instead lots of thistles for his neighbor's bees, also a fair crop of hay for himself. Was that wise or otherwise? If he had chosen bees instead of berries it would have been just as bad for him or worse. One neighbor has "vested rights" over another in many ways. A vacant lot between two well kept lots is purchased by a sloven and does financial damage to his neighbors. Has he a right, no, certainly not. We speak of things as we find them and not as they should be. The first thing for a man to do is to size himself up, and if he is qualified, then keep bees or any other designated business, and I am sure no reasonable man will object. A man may be a specialist with only one hive, as well as with a hundred, but twenty to one he fails, because it does not pay to bother with it, and we do not work for fun. He has not enough invested to help him to stick to it. And, now, while it may or may not be advisable for every farmer to keep bees, it is absolutely necessary for him to be or get posted, for ignorance is the rock on which so many split, and the same applies to all kinds of industries.

The next thing to look after is location. A man may have a moral right to plant his apiary of a hundred colonies beside a man with a like number, but would he be wise, if not, then it would not be right. There is such a thing as overstocking a locality, and if the new arrival has only a few, so much the worse for him, es-

pecially if he be a novice. Bees cannot be kept at home or penned up like other stock. They will pillage the weak, and that often causes hardness between neighbors, which we should always try to avert by taking our bees to unoccupied ground when starting.

JOHN YODER.

Springfield, Ont., March 8, 1888.

For the Canadian Bee Journal.

EXTRACTORS.

EXTRACTORS have been brought to such a state of perfection, that like the steam engine, if there is to be any improvement it must necessarily be very minute. Our extractors are of two kinds, the first is Abbott's "Little Wonder."

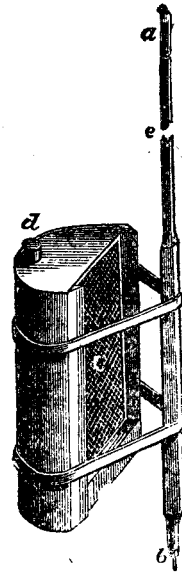


FIG. 1.

Its chief recommendation is, it is cheap, and suits the pockets of working people who have only two or three stocks of bees. It takes one frame at a time. When the comb has been uncapped and set in position you set the point of the extractor on the ground and "whirl" the whole around, the top end of the handle being loose to allow the extractor to revolve while you keep firm grip of the handle. It throws the honey out of the combs right enough with very little practice, but it requires plenty of fibre and muscle in the arm of the operator. It will hold about seven lbs. of honey. You have then to tip it up and drain the honey off into a vessel before you extract any more. It is a useful little tool and has a large annual sale.

Fig. 2 is a cut of Mr. Cowan's "Rapid" extractor. There have been many minor improvements in extractors since this was brought out, so I do not give you this as one of the most modern, but simply to show that our extractors are much in common with yours. Some take two frames, some four. Some have strainers at the bottom,

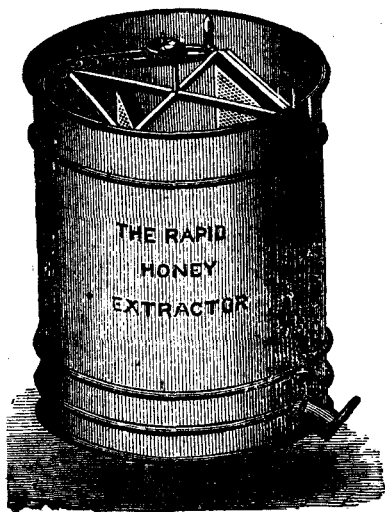


FIG. 2.

others are without, and again some will hold large quantities of honey and some are mounted on wheels. Others again are reversed by simply turning the gearing the reverse way, while in the older kinds you have to remove and turn sides to the combs. The latest improvements were to prevent the wire of the cages from bulging during revolution, thus causing the combs to break sometimes. This is prevented by very simple means by Mr Meadows in his patent "Raynor."

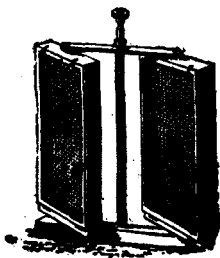


FIG. 3.

My self-imposed task is done. Wherever I have applied, I have always readily obtained the cuts to make these "chats" more intelligible. My thanks are due to Mr. Cowan, editor of the *B.B.J.*, for the use of his cuts from his *British*

Bee-keepers' Guide Book, and also some from the columns of the *B.B.J.*, to Messrs. Abbott, Blow, Neighbor, and the Rev. G. Raynor. They have doubly given by giving freely. By misadventure one or two cuts were used from *Modern Bee-keeping* without obtaining the consent of the B.B.K.A., whose property they are. It was done ignorantly, but my regret is none the less real on that account.

Writing these papers has helped me to while away some hours that I cannot say would otherwise have been dull, because I can find no time to be dull, this life is all too short to allow of it, but probably they would have been spent less pleasantly at something else. If they have contributed to your pleasure and increased your knowledge of British bee appliances and your interest in British bee-keepers, I have the only reward I sought for and the only reward I wish. My pen is wiped.

AMATEUR EXPERT.

We are sure that every one of the readers of the *C.B.J.* have been pleased with the pleasant style in which "Amateur Expert" has written up British bee-keeping in general, and they will be sorry to learn that this is the end of the series. There has been much said which will be beneficial to Canadian bee-keepers generally, and they will in future have a much better idea of bee-keeping in the British Isles than they ever had before. We tender "Amateur Expert" a unanimous vote of thanks from every reader of the *BEE JOURNAL* for his pleasantly written and instructive articles, made the more so by the many cuts and engravings which have been used to illustrate the articles from time to time. We hope that we shall often hear from "Amateur Expert" on other subjects and we can assure him that his articles will always be read with pleasure by the Canadian bee-keeping public.

FOR THE CANADIAN BEE JOURNAL.

FARMERS WHO KEEP BEES.

AS bee-men are great on telling their experience, I will tell mine, and if it is worth putting in the *JOURNAL* you are welcome to it, and if it is not you will not offend me if you put it in the stove.

I am not an expert nor a specialist; I just keep a few skeps so that my family can always be supplied with that grand luxury honey, good, full, genuine honey, and have some to give to friends, and then if we have anything to spare, it is always a help. I don't believe in the doc-

trine that none should keep bees but specialists and experts. There is no earthly reason why farmers should not keep bees the same as they keep sheep or hens, and I don't believe they are a bit more risky or difficult to manage.

We have kept bees six or seven years. (I say we because my wife and children do the most of it.) Last year was about an average, so our experience for last year will do for the rest. We put 11 skeps in clamp in the fall of '86. They all came through nicely, but one, for some reason or other, dwindled in the spring and gave it up. We sold one and commenced the honey season with 9 skeps; they made 700 lbs. of surplus (extracted), besides enough to winter, and increased to 18. We sold four in the fall, gave one away, and so have 13 in clamp, I think all right. We never tried to winter in cellar but once. We put seven swarms in what we thought good shape, but did not take out a live bee. We could not keep the temperature even enough and they got mouldy. We never lost anything to speak of in clamp, but they must have lots of stores, not less than 30 lbs. of good capped honey.

Our bees are half breeds, blacks and Italians, smart little fellows, who never think twice about giving you a jab if they feel like it. They cut up pretty bad sometimes in swarming time, and once in a while a swarm clears out to the bush. We do what we can to prevent swarming, but sometimes they beat us. But my experience is getting too long, so I will quit.


JOHN PIERSON.

Burgoyne, March 5.

P.S.—We are much pleased with the C.B.J. and trust it will run a long and prosperous career.—J.P.

We have always advocated that farmers should keep bees. We think that if there is any right place for them at all it is on the farm. Ever since we can remember, our advice to farmers, having two or three grown up sons or daughters, was to give to them or to whoever of them was best adapted for it, the management of a few colonies of bees, or if the father preferred it, let him look after the bees himself, and give to the children the care of the farm. We have before us a report from a bee-keeper who has been at the business since 1877. We give it below in his own words:

Ten Years of Bee-keeping.

 WISH to give you a short account of what I have done, since I went into bee-keeping in 1877, in the CANADIAN BEE JOURNAL. I do so because I think you will be glad to know how I have progressed, as you have been ac-

quainted with me ever since and before I first undertook to make my living in this business.

In the year 1877, I got two swarms in the bush and hived them. One of these swarmed twice the same summer, and the other one not at all. During the first winter I lost half of them, and this success I repeated for the first four years, regularly losing the half every winter. I then went down to you, and had you give me a few lessons. I purchased some books relating to the business and began to study it up, since which time I have had better success.

Since that time I have sold \$1200 worth of bees alone. I kept no accurate account of the honey until the past four years. For these years my report is as follows: I began the season of 1884 with 25 colonies, increased to 70, and took 2000 lbs. extracted honey. In 1885 I began with 35 colonies, increased to 68, and took 2,300 lbs. of honey. In 1886 I had 30 colonies when the season commenced, and 66 at the finish with 2200 lbs. honey. In 1887 the beginning of the season found me again with 30 colonies, which I increased to 77, taking 2400 lbs. honey.

You will understand that I sold each spring down to the number with which I started the season; my loss in wintering being but three colonies in the four years. My choice of bees is a pure Italian. To anyone that will give them proper study and good attendance, I can promise a success, and a good living. During my whole experience as a bee-keeper, I have never wintered on any but natural stores.

THOMAS CHRISTIAN.

Loraine, Ont., March 12, 1888.

The above report from friend Christian is very interesting and satisfactory. It is more so to us, as we have known him for many years, even before he embarked in the bee business. But why do you not give us a full report, telling us you were sick and unable to work, in fact almost on the brink of the grave before you took up with bee-keeping; that you have regained health and strength and been well ever since; that you purchased a good hundred acres of land, paid for it, built a good house and barn; have more than one-third of land cleared and are happy and comfortable, all from the bee business. Of course you are in a good locality, but your success from year to year is largely due to your honest endeavors. We believe that all the bees Mr. C. has sold have given good satisfaction, and in every instance were as good as he represented them to be.

KIND WORDS.

FAVORABLE SECTIONS.

GEO. ROGERS.—Goods to hand in good condition.

Hollen, Ont., March 13, '88.

A GOOD WORD FOR HEDDON HIVES.

WM. DUFF.—Hives arrived in good condition. I tell you what they are accurately made:

Carleton Place, Mar. 10, 1888.

SUNDRY SELECTIONS.

W. J. NEWMAN.—In looking over my bees last night I find some of them that are very wet, some with ice in them, and some so wet that they all died. They are in a place lined up, with sawdust in it. I was looking over your catalogue and saw the oil stoves and thought perhaps they would dry up the place. If you think they will be profitable to put in, send me whichever of the two you think best. Put it at your best price. Send by express to Colborne station, by stage to Morganstown and I will mail money at once to you. I could not give my bees much attention this winter, they are on the farm two miles from the store and I did not know how bad they were until last night.

Morganston, Ont., Feb. 25th, '88.

How thick is the sawdust in your wall? It should be dry saw-dust and from 18 inches to two feet in thickness. Some of our walls are only 18 inches thick, but the best are two feet or 26 inches through the wall. Unless you want to use the oil stove for other purposes it would not be necessary to get a stove solely for the bees. Two large lamps placed in the bottom of bee-house with stovepipes set over them running up two or three lengths high, then turning the same number of lengths from the bees to keep the light from shining on them from the lamp. The pipe should be kept about one inch from the floor. This should heat a place up to an even temperature. It must be very damp, all the moisture from the bees condensing to make it as wet as you say.

THE CANADIAN BEE JOURNAL.

BEEON, ONTARIO, MARCH 21, 1888.

BUSINESS DEPARTMENT.

The section trade seems to be growing apace. Up to this date we have had orders for nearly

double our last year's trade to the same period. We never had as fine a lot of beautiful white basswood in stock as at the present time, and our best trained hands are kept on the section machines.

Our "Sundries" department, though only in going order for a week or two, has proved a decided success. We are getting good orders every day.

Our circulation is increasing steadily and we hope that during the coming season we shall make the JOURNAL of still more practical value than heretofore.

If you want anything in the line of notions, such as we have given in our list at the end of JOURNAL, we shall be glad to supply you. The prices, in most instances, are away below the usual retail figures.

Remember that we are now able to furnish you with Barnes' Foot Power Machines, at the very lowest figures obtainable, and we shall be glad to have your orders. One customer, who has had one of the combined machines for about three months, says that if another could not be obtained, he would not part with his machine for \$200. The complete machine cost him \$60.

HONEY MARKETS.

PHILADELPHIA HONEY MARKET.

Fancy new white honey in good demand. Inquiry is for 1-lb sections, New white clover, 18 to 20c. Buckwheat, 14 to 15c.

PANCOAST & GRIFFITHS.

DETROIT HONEY MARKET.

Market a little dull with slight depreciation in prices. Stocks not large, however. Best white, in one pound sections, 17 to 19 cts. Extracted 9 to 10 cts for light colored; few sales. Beeswax 22 to 23 cts.

M. H. HUNT.

NEW YORK HONEY MARKET.

Our market for honey is opening up earlier than usual, and at higher prices. We quote as follows until further notice:—Fair White, one lb. sec's., 16 to 18c.; Fair White, two lb. sec's., 13 to 14c.; Fair to Good, 1 lb. sec's., 13 to 15c.; Fair to Good, two lb. sec's., 10 to 12c. White Clove extracted in kegs and bbls. 7 to 8c. Beeswax 21 to 22c.

MCCAUL & HILDRETH BROS.

PRICES CURRENT

BEESWAX

Beeton, March 21, 1888
We pay 30c in trade 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 "Jones' size" per pound	45c
over 50 lbs.	45c
Section " in sheets per pound	55c
Section Foundation cut to fit 3 $\frac{1}{2}$ "x4" and 4 $\frac{1}{2}$ "x4"	per lb. 60c
Brood Foundation, starters, being wide enough for	
Frames but only three to ten inches deep	45c

EXCHANGE AND MART.

SECTIONS.—We have a large lot of V groove sections put up in 500 boxes in the following sizes, viz., 3½x4½x1½ 3½x4½x1½, double slotted, which we will sell at \$2 per package, and will take as pay either honey or cash. **THE D. A. JONES CO., Beeton, 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.**

\$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.**

ADVERTISEMENTS.

ITALIAN QUEENS.

Tested, ready in March. Untested, by April 1st. Contracts taken with dealers for the delivery of a certain number of queens per week, at special figures.

FOUR - FRAME NUCLEUS,

with pure Italian queen, containing 3 pounds of bees when secured—in April and May, \$4.00; after, 25 cts. less. Safe arrival and satisfaction guaranteed on all queens and nuclei.

Early Bees from the south shipped to Canada without loss.

For more particulars, send for Tenth Annual Catalogue.

P. L. VIALLON.

BAYOU GOULA, IBERVILLE PARISH, LA.

PRACTICAL BEE-KEEPER.

In time to begin season to go to the North-West in charge of 50 colonies of Bees. Apply to

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

SPECIAL NOTICE.

I have moved to Shelburne, and have purchased a very large factory. It is the largest factory in which bee supplies are manufactured in Canada. Our dry-kiln cannot be surpassed. We are ready for a rush; Sections away down. The best manufactured Foundation in Canada will soon be ready to ship. Send for Price Lists before purchasing elsewhere.

S. P. HODGSON & CO.,
Shelburne, P.O., Ont.

BEES FOR SALE !

I will sell about 50 colonies of bees at the following rates :

- 24 and under.....\$7 50
- 25 and over.....7 00

They are in Jones' S.W. and Combination hives. **FOR DELIVERY IN MAY at Beeton or Alliston R.R. station.**

SAMUEL BRAY, Beeton, P.O.

ELLISON'S EARLY ITALIAN QUEENS !

	April.	May.
1 Untested Queen.....	\$ 1 15	\$1 00
3 " Queens.....	3 00	2 50
1 Tested Queen.....	2 50	2 00
3 " Queens.....	6 00	4 50

Many of the above will be reared in the height of the swarming season and all will be nearly, if not quite as good as the best swarming queens. In every case safe arrival and satisfaction guaranteed

W. J. ELLISON.
Stateburg, Sumter Co., Sth. Carolina.

100 COLONIES OF BEES FOR SALE OR EXCHANGE.

For Bee Supplies or anything that I can use. Beeswax wanted. Dealer in all kinds of Bee Supplies.

JAMES ARMSTRONG,
CHEAPSIDE, ONT.

BEES FOR SALE CHEAP.

30 COLONIES OF ITALIAN BEES FOR SALE. In lots of 3 or more \$6.00 each. Now is the time to send in orders for spring delivery. Bees second to none.

Address
LEWIS JONES,
DEXTER P.O. ONT.

READ THIS.

25 PAPERS GARDEN SEEDS AND THE BEE-KEEPERS' ADVANCE.

One year for only \$1. These seeds are just such seeds as everyone having a garden wants and buys, paying 5c. to 10c. per package, the retail price of the seeds is \$1.75. We give away our paper and sell you the seeds at about half price to introduce both to Canadians. Seeds will be sent post paid and we guarantee satisfaction. Address,

J. B. MASON & SONS,
Mechanic Falls, Maine.

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, ONT.

Headquarters in the West

for the manufacture and sale of **BEE-KEEPERS' SUPPLIES.** CHAFF AND SIMPLICITY HIVES, SECTIONS, FDN., SMOKERS, ETC.

furnished at a great reduction in price. A full line of supplies always on hand. I also have on hand for sale at all times, Pure Italian Queens, Bees by the pound, Nuclei and Full colonies at very low prices.

Send for Catalogue.

A. F. STAUFFER,
Sterling, Ill.

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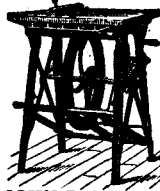
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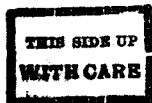
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