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VOL. III, NO. 4.

1887

APRIL 20.

PUBLISHED EXCLUSIVELY IN THE INTERESTS OF THE HONEY PRODUCER



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THE CANADIAN BEE JOURNAL

WEEKLY.

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

Vol. III. No. 4.

BEETON, ONT., APRIL 20, 1887.

WHOLE No. 108

EDITORIAL.

HEREAFTER, we shall make a little change in the make-up of the JOURNAL. All articles pertaining to business will appear under what we shall designate a "Business Department" and such other remarks as we may have occasion to make will be found on the first page of reading-matter.

Editor Alley, of the *Apiculturist*, in speaking of the McIntosh-Harrison lawsuit, says, "the lower court decided, and unjustly, too, that the owner of the apiary must remove his bees beyond the town limits."

Where the editor of the *Apiculturist* got the information that warranted his saying that "we believe the "api" is the only paper devoted to bee-culture that is paying its running expenses" is a mystery to us. Perhaps he only referred to American publications, and, even so, we have grave doubts of the validity of the assertion. As to the CANADIAN BEE JOURNAL, we are able to speak quite positively. It has paid its running expenses in the past, and left a little profit as well, and this, notwithstanding the fact that it has more printed pages than any other periodical published in the world, relating to bees.

Why, there are some who express regrets because the Ontario Bee-keepers' Association did not, at the late meeting of the directors, undertake to become a

trading body, when it had *absolutely no legal right to do so*, is to us a point which we should like some to have them explain.

"Inventive geniuses over in Uncle Sam's dominion keep the U. S. bee-publications constantly in hot water, by bringing out new schemes whereby artificial honey is made. Canada has been free from this pest for some months back.

Frank Benton has removed from Munich, Germany, to Laiboel, Province of Carniola, Austria. This is situate near the centre of the Province, and proves to us the faith that Mr. Benton has in Carniolans.

We should like to have reports from bee-keepers' all over, as to how their bees came out. Our bees are not out of winter quarters yet (April 19th.) but a few days now will likely see them on their summer stands.

Local Associations are being asked to pass resolutions expressing regrets that the O.B.K.A. does not take into hand the shipping of honey of members to England, when as stated above, they cannot do so, unless, of course, they procure such other legislation as will constitute them a corporate body for such purposes and this latter fact will, we imagine, be a difficult thing to accomplish. The government do not make grants to Associations for the pur-

pose of benefiting the *private* members of such Associations, but for the good of the *whole* industry as represented by such Associations. Supposing the O. B. K. A. *should* undertake the shipping of the honey of such of its members as cared to send their products of their apiaries in that way, what is to prevent private individuals from shipping their honey to England as they see fit. The Association cannot prohibit it. The solution of the difficulty will, we prophesy, be found in the formation of a company or firm who will be able to buy and pay *at once*, a price that will make it in the interest of *all* to dispose of their honey to them. The Association would never be able to undertake this, and bee-keepers might almost as well ship to a commission merchant as ship through the Association with no positive information as to when they were likely to realize on the honey they supplied. There are a few who can afford to wait until their honey is disposed of but the bulk of bee-keepers are not in a position to wait several months for the proceeds of their summer labor. These would much prefer disposing of their honey "out and out" as soon as the season is over. Personally, we would much rather dispose of our crop in this way than entrust it to the care of any person the Association might select, even at a less price, and the majority of the bee-keepers, we are satisfied, are of the same opinion. Again, the grant of the Association *cannot* be used for the purpose recommended in some of the resolutions which Associations are being asked to pass and advanced in the published letters of others.

For the Canadian Bee Journal.

THE DELEGATE'S REPORT.

FRIEND MCKNIGHT THINKS THAT THE PUBLIC HAVE NO NEED WITH A STATEMENT OF THE SALES MADE FOR PRIVATE INDIVIDUALS.

I HAD thought that the work of the delegates was generally satisfactory, and I believe so still. It is clear, however, that there are some people who desire more information from us than we have yet imparted to them. Within the past few days I have read a resolution printed in three bee-papers, calling upon the directors of the Association to force from us, for the information of the world, a financial

statement showing in detail what property was handled and how we accounted for it. This resolution was passed at the Guelph Bee keepers' Association, held on the 23rd ult. Whether those who formulated it did so of their own notion or were prompted to it by other parties, I will not wait to enquire. We will publish it again. Here it is: "Moved by R. Knechtel, seconded by Thos. Simpson, Resolved that we consider the Directors of the Ontario Bee-keepers' Association are in duty bound to lay before the bee-keepers of this country a financial statement relative to the Canadian Honey Exhibition in England last year—Carried." I think this resolution is clear enough to be understood. It cannot mean that the public grant be accounted for and published, for this has been already done. Every dollar of that grant was disbursed by the Treasurer of the Association, and the way in which this was done appeared in his statement as submitted at the annual meeting. I presume he has sent this report to the Minister of Agriculture, and that the latter will publish it to the world for every ratepayer in the Province has as much right to be informed on this point, as the bee-keepers of Ontario. It must mean then that the Association should compel us to inform Tom, Dick and Harry what the honey entrusted to us realized, and what disposition we made of the proceeds, whether we squandered this money recklessly and extravagantly, or used it economically and modestly. Probably they would like to know how many loaves of bread we consumed in London, and how many candles we used. If this be their object, I can only say that their curiosity exceeds their modesty and that we are under no obligation to gratify their curiosity. It was our duty to give "to the bee-keepers of the province" all the information in our possession touching the relative merits of our products, how Ontario honey was esteemed by the English people, what we did to favorably introduce it to their notice, and the prospects of a continuous demand for it. All this we have done in one form or another, and all this was due to the Province at large which granted \$1,000 to advertise the resources of the country to the world. Here I hold, our duty to the Province and to the Guelph bee-keepers ended. Aside from this the property entrusted to us was purely private property, and to those who entrusted their property to us, and to those only are we responsible for the way we sold and accounted for it. We have the fullest proof that these people are satisfied with our work. We have a resolution passed by them to that effect, and we have the private and personal assurance of many of them to the same effect. Neither the

mover nor the seconder of this widely published resolution are amongst the number. No member of the Guelph Association put a dollar's worth of their property in our hands. Not a pound of that magnificent display of honey set up in London came from the County of Wellington, which is rather a significant fact. Perhaps this arises from their caution. Perhaps they thought they could make more out of it in Canada than we could in England—maybe their faith in our honesty was not over strong. Be this as it may, the Guelph bee-keepers were not represented there, and therefore I feel that we are under no obligation to prove to them that we were worthy of being trusted, or that their caution was well founded, by putting into their hand a detailed statement of the receipts and expenditures connected with the sale of other people's goods. To those who put their property at our disposal we have nothing to conceal. We court the strictest enquiry into our conduct, if made in a business-like way, but I for one decline to gratify the curiosity of the Guelph bee-keepers.

Whilst referring to money matters, let me advert for a moment to the way in which these same people propose to spend the annual grant. I find they passed another resolution bearing on future shipments to England in which they say the "Ontario Bee-keepers' Association appoint a commissioner to go ahead of the consignment and make sales, *it being understood that the Government grant be a guarantee fund for the commissioner.*" I find also in a monthly bee-paper (in which these resolutions were first published), a letter from Mr. Pettit, in which he touches the same cord. He says, "In this connection allow me to remind you that the Ontario Legislature has promised us \$500 for *this very purpose* to assist in opening a market, and very likely if we need more, and ask for more another year, we may get more." Again, the Editor of that monthly says, "There is a grant of \$500 which would go far to pay the expenses of sending a man to England to make sales." There we find a strong consensus of opinion, expressed by eminent authorities, of the object for which the annual grant is to be given and how it ought to be applied. I do not pretend to know as much as these gentlemen on this point. In believing that they are all mistaken, I may be mistaken myself. But I am persuaded that the grant was never intended to be applied in the way here indicated. I fear these opinions only prove that the corporate life of the Association is brought into existence quite as soon as its members know how to nurse it into sturdy, respectable manhood. I believe the grant, in common with the grants made to kindred associations, is intended

to develop the resources of the country by increasing production, and not in aiding to market our honey. Have any of the writers referred to ever heard of the Dairyman's Ass'n., the Horticultural Ass'n., or the Poultry Ass'n., using the Government grant, or any part of it, to secure increased prices for cheese, apples, or Leghorn Cockrels. I think not, and if the Bee-keepers' Association apply their grant to secure big prices for a few of its members, I fear the grant will soon be withdrawn altogether.

R. MCKNIGHT,

Owen Sound, Ont.

We are of the same opinion as friend McKnight in this matter, as, also, are the majority of the contributors who sent their honey in charge of the delegates. At a meeting of the contributors held after the delegates had presented their reports to the Association, a statement was furnished them by the Secretary, Mr. Corneil, and all present were satisfied with the prices realized, as was evidenced by the resolution, then passed and which we reprint :

"Moved by W. Couse, seconded by M. B. Holmes, and resolved, that the thanks of the forwarders of honey to the Colonial Exhibition be tendered the commissioners for the manner in which they have conducted the enterprise, and they desire to express their entire satisfaction at the prices realized therefor." When put to the meeting this resolution was *unanimously* carried, and it would be well to remember that a *majority* of the contributors were then present. Now, in the face of all this, we fail to see why disinterested individuals should wish to know what is already known by those interested and which has been passed upon as satisfactory. The delegates have nothing to hide, and are willing to furnish those justly entitled to it, all the information they require, but they decline, and with just cause, to "hawk" the business of private individuals before the public. We have no doubt but that if a majority of the contributors asked it, a public statement would be forthcoming, and the delegates would cheerfully accede to their request, but in that action they would be virtually rescinding their former resolution and expressing a want of confidence in the work of those whose work they have already expressed their

Don't you see it in that light friends? The general result has been made public, and that is really all the public have any right to expect.

North Middlesex Bee-keepers' Association.

The North Middlesex Bee-keepers' Association held its 4th annual convention in the Town Hall, Parkhill, on Thursday afternoon and evening, March 31st. The first session opened at 7.30 p.m. Mr. Frank Atkinson, of Ailsa Craig, President, in the chair. There were seventy-five members of the Association, besides many others, present. The President opened the meeting with the following address:

PRESIDENT'S ADDRESS.

Ladies and gentlemen, and brother bee-keepers: It gives me great pleasure to preside at this our 4th annual meeting to greet you all on behalf of the North Middlesex Bee-keepers' Association, and to tender thanks to his worship, the Mayor, and town council for the use of the Town Hall to hold our past and present meetings in. I am proud to say we are a branch of industry so highly represented at the Colonial and Indian Exhibition, held at London (Eng.) last year, that the Province of Ontario has won the first honors of the whole world in producing the best quality, and best flavored honey. And now as the grand shield has been awarded to Canada's flowery fields to which it so rightly belongs, it behooves every bee-keeper of our land to hold that which has just been won and strive to produce a first class article of food to the rich and poor working man of every land, in a good marketable shape, and selected from our best honey producing plants, and labeled say for example, "Wm. O'Neil, a member of the North Middlesex Bee-keepers' Association." You all know that our own local markets could be glutted with the first honey flow, and at a ruinous price to all producers. It will be best for us all to be ready to select for sale our best honey as we receive it, and keep our poorer grades for other purposes, such as fruit canning, and nice cool summer drinks for every Scott Act county in the Dominion. I can assure you it can

be done at a small price, and not injure any one's health. There are a great many purposes for which honey can be used to good advantage by every householder; and it will be for the honey producers to supply their customers with free recipes and samples of honey, and, Mr. Secretary, to bring my address to a close, I will thank you to read the minutes of our last meeting, also accounts and communications.

The Secretary, Mr. A. W. Humphries, of Parkhill, read the minutes of last session, which were confirmed, and also letters from Messrs. Jones, and Root, and other prominent bee-men who were expected to take part in the convention, expressing sympathy with the aims and objects of the Association, and expressing regret at their inability to be present.

After routine business, the election of officers for the next ensuing year was proceeded with, resulting as follows: President, Frank Atkinson, Ailsa Craig; Vice President, J. B. Aches; Secretary, A. W. Humphries. Directors in addition to officers, B. Gott, Arkona; W. Coleman, Devizes; H. Phippen, Parkhill; D. Stewart, Nairn.

Mr. B. Gott was introduced by the President, and read the following paper:

BEE-KEEPING AND FRUIT.

The advantages of association and concerted action in the line of any given industry, are very great and very conspicuous. It is therefore fit and proper that all the representatives of this industry, and those interested in it, should so associate for mutual assistance and mutual advancement. I therefore congratulate you upon the formation and existence of

THE NORTH MIDDLESEX BEE-KEEPERS' ASSOCIATION.

whose object and aim is exclusively to develop to its fullest extent every idea relating to bee culture or bee farming, as you may be pleased to call it, and the production of honey. Here I cannot but be forcibly impressed by the rapid advancement lately made in the interests of the industry in all its details. Although formerly considerable of an expert in the handling of bees as they were managed 15 or 20 years ago, but not having kept up with the recent studies made, I must now shamefully acknow-

ledge that I am lost in it to-day. Upon inspecting any of your modern bee yards as the ones owned and worked by your enterprising townsmen, I am at once astonished and delighted. The details baffle my comprehension, and the result of man's ingenuity with the insect world please and instruct me. It is perfectly fit and proper that man should attempt to utilize the labors of the bee on his behalf and for the furtherance of his personal comforts and enjoyments, but not easily understood how he has so well succeeded in it. Though

THE BEE BE AN AGENT OF NATURE

yet she may be also made an active and important agent in the economies of men, and directly to contribute to their advantage. In nature's operations the main life business of the bee is very apparent, quietly and persistently distributing pollen from flower to flower, thus assisting in the great work of the fertilization of seeds, and the insuring perfect conditions of plant life and the fullest developments of their fruits. By means of the activity of the bee higher fertilization for the seed, and better and higher development for the fruit, and fuller and more consummate results for each are secured. There can be but little doubt but that this in the main is the great object of the life and the industry of the bee and for which its tiny, simple existence has been preserved to nature's work through the untold ages of the past. The seeds have to do with the essential being and existence of plant life, and by which means it is kept in preservation from year to year, and from age to age. The objects of the plant are the beautifying of the earth, the administering to the wants of higher organized beings, and lastly, the fullest perfection of its essential seeds. Are we not interested in this? Have we not something, yea, very much, at stake in this very benevolent arrangement? In the fruits (which generally coat the seeds) of plants we recognize directly a most valuable blessing to man, serving directly his wants and his enjoyments, and this has been so through all the ages of the past.

THE DEVELOPMENT OF THE FRUIT

in its fullest beauty of form and flavor has ever been one of the most important operations of nature, and of the deepest

interest to mankind. In all countries, and in all ages of the world there have been many of the skillful and industrious sons of toil that have persistently devoted their entire life work to this honorable pursuit, assisting nature in her efforts in the most perfect development of fruits for the use of man. In this line as in bee-keeping the skill and enterprise of man has largely contributed to high and honorable results. But we must at present confine our attention to

THE BEE AS A HONEY GATHERER

as this more directly interests us. I need not tell you that the matter known as honey is a secretion of plants, and no doubt was equivalent to the nectar fed to the gods in olden times. It serves certain definite purposes in the economy of the plant, and doubtless for its own ends and advantages. The bees simply resort to the cups and gather the honey by means of prearranged apparatus for the purpose. She is therefore essentially a honey gatherer by trade formed and designed for the work especially. You will observe she does not make the honey as some suppose, but in its storage in her cells it is further ripened and perfected and made to acquire many fine qualities in flavor and essential composition which makes it so desirable and valuable to man. The flower is thus not only nature's beautiful, but

THE FLOWER IS LIKEWISE NATURE'S LABORATORY

for this work. The honey is thus a product of the breast of the beautiful flower and the bee by means of her implanted instinct gathers it and stores it away and man uses it for his great benefits. My friends you can easily see the benevolent economy of all this, how in everything *The great Superintending Providence over us* is constantly eyeing our necessities and so wisely providing for them. Even in this small but delicate affair of honey gathering, how much foresight and complicated machinery are used? How many agents are employed, and many of them utterly beyond the control of feeble humanity. Let us then learn a lesson of man's entire dependency upon nature and upon NATURE'S GREAT FIRST CAUSE.

We have said that the bee after gathering the liquid honeyed sweet, stores it away, and this is done according to the

most approved signal designs, nothing added nothing to be subtracted. These instincts and endowments are very curious and puzzling to man, and he can only use them and work by them. He does not change the bee or instruct it in his wants, or to do his pleasure, but he simply works by what he finds, and accommodates himself to them and assists them all he possibly can.

MAN'S ASSISTANCE IN BEE WORK

is measured by his ingenuity in this line and is generally in the way of improved hives for them to work in, comb foundation for them to build on, division, temperature, etc. By these well directed means the income and gross earnings or revenue from the bees of any given country is simply immense. The real wealth thus added to a country's assets can only be properly estimated by a strict and careful census of the bee workers of that country. This you will observe is a redeemed wealth that were it not for them and their labors would be entirely lost to the inhabitants. Not having the authorized statements of the bee products of our country at hand, I am not in a position to give you the statements, but I have no doubt that the value thus saved to us would run into the

HUNDREDS OF THOUSANDS OF DOLLARS.

Just imagine that we had no bees, and that all this great wealth of richness were not gathered at all, can you estimate the loss to our national finances to our plant and fruit products, and to our individual wealth and palate enjoyments? In this view of your industry, how is its importance magnified before you? Are you not more and more impressed with the clear and manly duty of cherishing, harboring, caring for, and assisting

"THE LITTLE BUSY BEE

that gathers honey all the day from every opening flower?" The original designs of the honey were to attract the bee to the flower for the purposes of the plant. Man engages the services of the same bee for his individual purposes, and to enhance his direct enjoyments. A beautiful harmony is thus seen to exist in all the arrangements of nature. I feel a sort of relationship existing between my happiness and the workable

duties of so small and insignificant an insect.

For the Canadian Bee Journal.

PRIORITY OF LOCATION.

On page 27, C. B. J., in the address of Rev. W. F. Clarke, occurs the following statement: "Some prominent members of the apicultural fraternity are advocating the passage of a law, to secure to the first comer as a bee-keeper into a neighborhood, the exclusive ownership of the bee-forage within certain limits." Will you, Mr. Editor, ask Mr. Clarke to kindly give the names of the parties to whom he refers, and also the place, if any, where mention has been made of the matter in the bee papers?

DR. C. C. MILLER.

Marengo, Ill., April 9th, 1887.

For the Canadian Bee Journal.

"SHALL WE CALL IT A SHUT OUT?"

HOW IT IS MADE AND HOW USED.

In reply to Mr. Clark Hall, who on page 97 of C. B. J., asks me to explain my honey-board. I presume Mr. Hall means my, my O, dear! what shall I call it? The same thing is called perforated zinc, zinc separators, perforated metal queen excluders, perforated metal honey-boards, queen excluders, etc. Now it seems to me that we ought to do better than that. Now when this instrument is used to shut the queen out of any part of a hive, or to confine her to any particular part thereof I move that the term "Shut-out," be used. If anyone will kindly second the motion it shall be submitted to the popular vote and I believe it will be carried.

How to make a Shut-out, (O! beg pardon, the name has not yet been sanctioned). For rims and to form proper bee-space, I use pine $\frac{3}{8} \times \frac{3}{4}$ inches, the sheets should be full size of hive, this gives the bees perfect freedom. I cut and nail on pieces of I. C. tin $\frac{3}{8} \times 2\frac{1}{2}$ inches across the joints to make all stiff. Now a piece same as rims should be nailed and tinned across the centre of "Shut-out" in such a manner as to lie across the frames of hive when placed on hive.

Remember there must be two bee-spaces, one above "Shut-out" and one below it. And if you use metal of the right sized holes, and if your shut-out is so made and applied that you get the right bee-space, viz., $\frac{3}{8}$ in., not more, better a shade less, your bees will not be, either annoyed or hindered in their work. Worth to me, one dollar apiece, or more.

Their principal use is for hives run for extracting. If sections are not filled with foundation

or if the brood-chamber is not filled with comb, then Shut-outs should be used.

S. T. PETTIT.

Belmont, Ont., March 11th, 1887.

FOR THE CANADIAN BEE JOURNAL.

THE DISPOSAL OF OUR HONEY CROP.

ANOTHER ARGUMENT AGAINST COMMISSION HOUSES.

REFERRING to the disposal of Canadian honey in the British market, though as yet I have not been directly interested, I would like to take advantage of your invitation to say a few words on the subject.

I think those who have had much to do with consignments to commission houses for disposal at the highest price obtainable, will agree that when goods, such as food stuffs, flour, grain, and cheese, are the articles handled, it is, as a rule, very unsatisfactory in its results. If so, it is likely to be much more unsatisfactory when an article like honey, looked upon only as a luxury, is the commodity in question. In your comments on Dr. Thom's letter in your issue of 30th ult., you bear this out. In your own case you show that the bill of expense run up by the commission house more than swallowed the whole proceeds of the honey you had sent.

Whatever is done, Canadian bee-keepers should be all agreed and act as a unit. Canadian honey should not be found in the hands of more than one responsible party in one centre for distribution, as it is ruinous to the owner to have different competing parties handling the same goods, in their competitive struggle, over the same ground.

If retailers can only buy from one party, that party can exact a reasonable price, and I am almost inclined to think that the key to the situation lies here, and that one good party alone should handle all of the natural distributing points.

Your suggestion that some one should go in advance of the honey and look after its disposal in Great Britain, is, I think, the right thing. Plenty competent men would go at a very moderate cost, I am sure, combining pleasure and business, while to save such expense and ship indiscriminately, every man for himself and to whom he likes, would be a "penny wise and pound foolish" proceeding indeed.

R. W. McDONNELL.

Galt, April 11th, 1887.

We are glad to have your views, and hope to hear from many others. It is by this means we are to arrive at what the majority are willing to do, and we thus get many opinions and suggestions

of value. We must take exception to that part of your article, however, where you say, "plenty competent men." Now, as a matter of fact, we haven't got in Ontario "plenty" of men who would be suitable to the work which is required to make the success of the enterprise *lasting*. There are many bee-keepers who are "competent" to dispose of the honey at a fair price, but that is only a small item to be considered. Our whole future success depends upon the way in which the present season's shipments are handled, and we say, without fear of successful contradiction, that there are *very few* who would make a success of it, who could be got to undertake it.

From Our British Correspondent.

MEL SAPIT OMNIA.

REPLY TO DR. MASON.

I OPENED my C. B. J. to-day as the fates would have it, at page 496 and at once commenced to laugh, and ejaculate alternately.

The lady that is the sharer of my joys and sorrows at once commenced to question, 'What was up?' Was it Mr. Jones' jokes? and growing impatient in proportion as my amusement increased, protested against my monopolizing all the fun. (The senior Editors' mind will go back to the old spot.) Well it was the Doctor. It was 'real jam' to me that he had never taken in the jokes that underlie the whole affair, and so goes on, from humour to seriousness and back to humour again, to deal with my light chaff. He is fortunate in naming his weight, as a Britisher never strikes a smaller man than himself, (take Magdala, Comassie, Zulu-land, Afghanistan and Egypt for examples,) and as to the unhappy 'Yank' he quotes about from the *Times*, my heart goes out in pity toward him. Perhaps he was dyspeptic, and the voyage and consequent prospects of realizing some of the ills that flesh is heir too, made him feel queer just then, or perhaps he got his money by running a butterine, glucose or artificial egg factory, or was he the owner of that mysterious mill where honey, comb and all complete is made without the aid of the bee? Or what is far more probable he was the inventor of wooden nutmegs, and consequently felt in duty bound to return every 'Johnnie Bull' at least one shilling of the many pounds of his money he was then enjoying. Well friend Dr. Mason so much for you and I when we both stir a pond with a muddy bottom. I will tell you a little tale. We had a meeting in Jermyn St. London, on Oct. 20th. last (see C. B. J. Nos. 34, 35.) There were present from

'frozen land,' (that is the name given here by American emigration agents to Canada) one from 'North of the Tweed' and a goodly number of 'Henglish.' In reply to a question an English bee-keeper said we owed most of our appliances to our American cousins, more than one hinted to me to challenge it, but although I do not mind throwing my own stones I don't care to throw other people's. The pleasant memories of that meeting is still with us, but we went every man to his own tent, the Canadians returned home, when lo! our B. B. J. was full of protests that such should go unchallenged. More than one said we could claim our full share, another said he did not speak out because being full of wrath he feared he should boil over, another discovered, through a youthful correspondent, that Canadian hives were twenty years behind Britishers. A veteran Scot, scolded his youthful brother for being present and not saying all the good *inventions in bee-keeping came first* from 'north of Tweed,' and several Englishmen refrained from correcting the statement at the time, through not wishing to seem discourteous to our guests, being 'modest to a fault.' Now doctor, don't you see what 'rot' all this is, coming as it does after people's backs are turned. So much for modesty.

Mr. Simmins has given us a picture and description of his hive very recently; I was about to say something about it in England. It is only a very 'partial' eclipse although the doctor thinks I meant it would be a very 'total.' (I imagine Dr. Mason seldom sees the B. B. J.) I have advocated simplicity in hives, appliances and manipulation and always 'go for' anything that is complicated, so here are a few criticisms of this hive for your side of the Atlantic before this side gets it. It strikes one at first sight as being a copy of the 'Electric' hive first exhibited in London in 1878 by R. Steel, and now sold by Young of Perth, (north of the Tweed again you see.) The frames are our old friends the Van Deusen-Nellis, the clamp of sections on end, reminds one of Heatheringtons, exhibited at Kilburn, London, by Newman, (Jonathan, this time, Doctor) and the dividers are figured in Cook's manual, 8th. edition, page 143, and other places, also Quinby's bee-keeping 17th. edition. Now all this realizes my expectations exactly, and it is retrogressive, going from the simple back to the complicated. Perhaps you may like it on your side, if only for its novelty. So much for the 'Eclipse.' Mr. Pettit's advice was good. American honey has a bad name here, I cannot help it. One of the largest purveyors of American honey in London was a 'daw in borrowed plumes.' I hope and believe 'Jonathan' has

since mended his ways. We do not consider the 'Chapman honey plant' to be so far superior to other things as to be worthy of large cultivation or it would long ago have been made known here, obnoxious weed though it is, and as to the 'Yanks' having suffered in the presence of the senior Editor, the doctor need not fear. But I must forbear, as there is a possibility of my readers getting too much 'mel.' I hope the doctor will learn to read my jokes between the lines in future, nay more that he may live to visit this 'confounded Island' and 'A. E.' in it, when the Editor will undertake you shall hear some jokes. I am very pleased to see you can meet together so amicably in conventions and so are we all, and when the day comes that I fear to speak out in presence of either friend or foe, then and not till then will I admit that 'mel' has failed to 'Sapit Omnia.'

AMATEUR EXPERT.

England March 19th. '87

SUNDRY SELECTIONS.

POLLEN ON 6TH APRIL.

S. SCHOFIELD.—My bees were carrying in pollen on the 6th inst.

Parkhill, Ont., April 13, 1887.

LOSS 10 PER CENT.

WILL ELLIS.—Bees working on Maples to-day. Began last fall with 59 colonies; have 62 to-day on summer stand in chaff hives; loss 10 per cent. I think they were working on Maples yesterday but did not go to see.

St. Davids, Ont., April 9, 1887.

BEEES AT PRESENT DATE.

DR. C. C. MILLER.—At present writing, 9 a.m., thermometer stands 68° in shade, and 53° in cellar, which my bees generally consider pretty warm. They are getting uneasy, but I would like to hold them in till after one more cold spell.

Marengo, Ill., April 9, 1887.

POLLEN APRIL 10TH, 1887.

JAMES BAPTIE.—One of my colonies, wintered on its summer stand, brought in pollen yesterday (April 10) afternoon. "How high is dot?" I may say their combs are deep, deeper than most bee-keepers use. They are no less than 4 ft. 6 in. long; taken from the swamp three years ago.

Springville, Ont., April 11th, 1887.

LOST TWO OUT OF EIGHTY-TWO.

GEO. LAING.—I put out ten stocks of bees on the 2nd of April, but had to return them on the 4th on account of cold weather. Put all of them

out of cellar on the 8th; lost only two stocks out of eighty-two. The two dead ones are supposed to have been caused by honey-dew gathered last fall. I think I can winter 99 out of 100 another year, if they get no honey dew. Bees gathered pollen April 10th; first time this year. Weather very fine.

Milton, April 11, 1887.

BEEs ALL ALIVE YET.

A. PICKET.—I commenced the spring of 1886 with 60 colonies of bees, several of which were weak. Increased same to 100 good colonies. We extracted 3,500 lbs. Put them into bee house Nov. 28th. The house is 16x24 feet, 7 ft. ceiling, walls packed with sawdust 2 ft. thick, on the top 18 inches deep. Temperature 40° to 45°. Bees are wintering well, have not lost any yet. The above temperature has had to be kept up by putting a pot of coals in the bee house when the temperature was low. I am much pleased with the C. B. J. for in some numbers are articles which are worth more than the price of the whole JOURNAL.

Nassagaweya, Ont., March 18, 1887.

FIRST POLLEN APRIL 10TH—LOSSES RATHER HEAVY THROUGHOUT THE COUNTRY.

J. F. DUNN.—Bees brought in first pollen April 10, four days in advance of last year. My loss has been light so far, with nearly all colonies in good condition at this date. Other parts of the country have not been so fortunate, many bees having perished. Clover has "headed out" badly—Alsike least of all.

Ridgway, April 11, 1887.

Reports of gathering pollen on the 10th seem to be pretty general. Around us, the losses have been quite heavy. In four apiaries representing 92 colonies, only three live to "tell the tale" of their winter troubles. Our own bees are all in their winter quarters yet, so we cannot say very much concerning them, but last examination showed them in pretty good shape. The market for colonies is good, and this almost inclines us to the opinion that a good many have not been successful in wintering.

BEEs ALL ALIVE BUT TROUBLED WITH DIARRHŒA.

F. D. TESSIER.—Put 45 colonies in cellar, 9 in box hives, 36 in frame hives, the 25th October, some with sawdust behind division board some without, about one quarter have the diarrhœa, though all are alive yet. I had not one day to put them out. My cellar kept 39° to 45° for 3 months. Those that had their backs to the wall had a few of them mouldy combs. I took

them out of the hives. The hives on the shelves in the middle of the cellar are good. Have no ventilation except a hole opening in my office. I think, by the way, of making a grooved partition around the cellar, about 4 feet from wall, leaving a space for barrels of apples; this would bring about the right temperature next winter. My house cellar is 22x26 inside measure; kitchen cellar 12x19 inside measure. I put 52 colonies in the latter cellar, the winter of 1885-6 but lost 30, the remaining 22 were not strong. Diarrhœa was the death cause. It kept 36° to 40° for that winter. Both cellars are floored. I will make the partition between the two cellars double, with 4 inch space for sawdust. The kitchen cellar will serve for vegetables, and no vegetable smell will reach the bees.

I have not succeeded well for the past three summers having had my house burned. I then rebuilt, so I kept testing my cellar till now. I made nearly \$300 out of honey and wax the summer of 1883 with my old box hives.

I do not know much about bee keeping, but if I could only master the winter problem (which I expect to next winter) I think I can satisfy myself with bee-keeping. I stick to the C. B. J. and have Cook's Manual. Being French, and having had no English education, you may know what a job it is. I have kept bees for 15 years but never heard of frame hives before the 'birth of the C. B. J. I will try Italian bees next summer. At present my bees are all Black. What used to hurt my feelings was to put them to sleep with puff balls burnt in sheet iron fumigator then I used to blow with my mouth, but I thought it put me to sleep. I next tried a little bellows and buried the bees in my garden.

I will tell you an incident that happened to me puff-balling bees. One day I destroyed 8 hives and burned the bees, and 15 days after digging a hole next to that spot for another burial I found in the grave of the 8 hives that the bees were all alive but could not fly. You may imagine my joy when I found that we could do without puff-balling.

Mount Oscar, Que., April 8, 1887.

We are very glad to hear from you, Friend Tessier, and are pleased to know that the CANADIAN BEE JOURNAL has been the means of saving your colonies from cremation for some time. You do well, to arrange your cellars so that the vegetables may be kept entirely away from the bees. "An ounce of prevention is better than a pound of cure," you know. We hope another year will give you better success in wintering.

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30 COLONIES Bees for sale \$5.00 per Colony.
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Prices for S. H. Hive \$1.50 Flat \$2.50 made up.

Ext'd H. Hive 2.00 3.00
His new Honey Cloth a perfect success, cheap and easily made goes with each hive. Each hive all complete including sections. The A. I. O. P. Sections, Frames, Smokers, Foundation, Honey Crates, Honey Knives, Extractors &c., &c., made and kept constantly in stock, sold at current prices, all first class.

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52-6mo.

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

DOOLITTLE

Wishes to say to the readers of the CANADIAN BEE JOURNAL that he has concluded to sell Bees and Queens during 1887, at the following prices:



One Colony Bees.....	\$7 00
Five Colonies	30 00
Ten Colonies.....	50 00
1 untested Queen.....	1 00
3 " " Queens.....	2 00
1 " " Queen reared by natural swarming.....	1 50
3 Ditto	3 00
1 tested Queen	2 00
3 " " Queens.....	4 00
1 " " Queen reared by natural swarming.....	3 00
3 Ditto.....	6 00
1 tested Queens, 10/6 yearling, each.....	4 00
Extra Selected, 2y and old each.....	10 00

Circular free, giving full particulars regarding the Bees, and each class of Queens. Address,

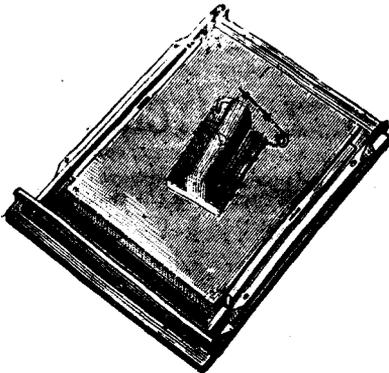
G. M. DOOLITTLE,

52-6m

Porodino, Onon. Co., N. Y.

THE MITCHELL FRAME NAILER.

The "Mitchell" Frame Nailer is light, handy and cheap—anyone who has a few hundred frames to nail will find it advantageous to have one of them.



For Jones' Frame S. W. Hive.....	\$1 25
" " " Combination Hive.....	1 25
" Langstroth Frame.....	1 50

THE D. A. JONES CO.

OLD RELIABLE HEAD QUARTERS FOR

Bees IN NUCLEI OR BY THE Pound

ITALIAN QUEENS also a Specialty. Prices very low. Six Years' experience in selling bees and queens. Hundreds of customers, and I think not a dissatisfied one. Instructive circular and price list free.

S. C. PERRY,
Portland, Ionia Co., Mich.

52-5m

NOTICE.

Those who wish to purchase bees or Queens will fail to consult their own interest if they do not send for my

Circular and Price List for 1887

before buying. The best is the Cheapest, is my motto.

Address, LEWIS JONES,
Dexter P O, Ont.

52-4t

Apiary and Fixtures For Sale.

Mrs. Wilson will sell the Apiary of the late D. L. Wilson at a moderate price. There are 50 to 55 colonies of Bees and all the implements necessary for the carrying on of the business. For particulars enquire of Mrs. Wilson, Newmarket, Ont., or to

C. R. TENCH,
80 Jarvis Street, Toronto.

52-4t

CAN YOU RESIST THIS.

THE BEAUTIFUL, INSTRUCTIVE, HUMOROUS Chromo Card designed especially for bee-keepers. Has a decided happy effect wherever shown. This card will not be thrown away when the articles represented upon it are explained, the story will be repeated many times, educating people and extending your reputation. Bees, Flowers, Children, Implements, elegantly printed in eight colors. Sample package 10 cts.; one sample and price list of same old things. Something new and all to profitably aid the bee keepers. Address

J. H. MARTIN, Hartford, N.Y.

EARLY QUEENS AND NUCLEI.

I have now on hand untested queens ready to send out by first mail. In regard to my responsibility, I would refer you to A. I. Root, with whom I received instructions in bee culture. Nuclei Colonies in shipping boxes to be sent by express. Safe arrival guaranteed.

W. ADAMS.

98-110

Sorrento, Orange Co., Fla.

SUPPLIES FOR THE APIARY.

J. S. SMITH, TRURO, N. S.

Manufacturer and dealer in Bee-keepers' Supplies, Hives, Smokers, Sections, Foundation, Bees, Queens, etc. Also breeder of ten varieties high class poultry. Eggs \$1 per setting.

COMB FOUNDATION.

Headquarters in Canada.

1884 Toronto Fair, Brood 1st; Section 2nd	
1884 London " " 1st " 1st.	
1885 Toronto " " 2nd " 1st.	
1886 Toronto " " 1st " 1st.	
1886 London " " 1st " 1st.	

I began the manufacture of comb foundation in 1883 and I am glad to say that I have not had the first complaint so far. Brood runs from 5 1/2 to 6 feet to the lb.: section about 11 ft.; shall commence making, weather permitting, April 15th. Brood cut to almost any size. Section foundation unless otherwise ordered is made in strips 3 1/2 x 1 1/2 and 3 1/2 x 1 1/4. I will make up wax for you, you paying all freight or express charges both ways. Brood 10 cts. per lb.; Section, 20 cts. per lb. No circulars. Prices of foundation on application.

WILL ELLIS.

51-tf.

St. Davids, Ont.

Italian Queens.

My prices for queen bees for 1887 will be as follows:—
 Tested queens on June 15th or after, \$2; Hybrid queens on June 1st or after 75 cents each, or three for \$2; Dollar queens after June 15th from Doolittle's Italians or Heddon's strain \$1; 10 per cent to any person ordering one dozen during the season of 1887; 15 per cent to any one ordering one dozen at one time, can have them sent three at a time if desired. The tested and hybrid queens are reared from choice stock, Italians and Heddon strains. The dollar queens will be reared from four selected queens three of which were selected by me last year from over 200 as producing bees famous for honey gathering, and originally bought from **Mr. James Heddon**. The other queen referred to is one I have purchased from **Mr. G. M. Doolittle**, being one of three selected by him from over 600 queens of his year and which he has kindly consented to let me have. The value of Mr. G. M. Doolittle's Italians as honey gatherers are well known. Those who have tried the Heddon strain require no recommendation from me. A customer last season took over 1900 pounds of honey and increased to 27 from 14 colonies purchased from me last spring. Another writes, "I cease to wonder at your men has astic praise of these bees." Those in Canada who want bees for honey gathering, combined with gentleness, have now a very favorable opportunity of having them. Will endeavor to be prompt in shipping. In ordering please state whether from G. M. Doolittle's selected Italian queen, or from my selected Heddon strain. An additional five per cent off to those ordering before the 1st of May. Send money by registered letter or post office order. A limited quantity of Given foundation for sale. Address.

G. A. DEADMAN,
 Druggist and Apiarist, Brussels, Ont.

KENWARD-HALL APIARY.

We will duplicate all offers made for queens from one dozed mothers. Our prices are: April, \$1, one doz. \$10.00. May, 90c., one doz. \$9.00. June, 80c., one doz. \$8.00. July, 75c., one doz. \$7.00. Write for information and price list.

J. W. K. SHAW & CO.

Loreauville, Iberia Parish, La.

NORWAY SPRUCE.

Shelter for apiaries, Roses, Clematis, Climbers, Shrubs, Dahlias, Herbaceous, Plants, etc. Send for price list.

A. GILCHRIST,

Guelph Ont.

47-59

North Carolina Tar Heel Apiaries.

1887
 5
ABBOTT L. SWINSON,
 71-69
 1887
 PRACTICAL APIARIST,
 PROPRIETOR,

Goldsboro, Wayne Co., N.C., U.S.A.

PRICE LIST of warranted American Albino Italian and Golden Italian Queens.

For the Year 1887.	April	May	June	July to Oct.
Untested laying, each	\$1 50	1 00	1 00	1 00
Untested laying, 1/2 doz.	8 00	6 00	5 00	5 00
Tested Queens, each...	3 50	2 50	2 25	2 00
Tested Queens, 1/2 doz.	15 00	13 50	12 50	11 00

NUCLEI.—Add 75 cts. for each L. frame of Bees and brood to price of queen wanted. Bees by the pound, same price each month as an untested queen is. 100—2 and 3 L. frame Nuclei, with untested warranted queens to dispose of in May at \$2.50 and 3.25 each, respectively. I replace all impure queens, and all queens and bees lost in transit. Untested queens ready to mail by April 15th each year. Send for circular and testimonials of my "American Albino Italian" bees that originated with me, and that I have bred and sold the last two seasons, giving universal satisfaction. The finest bees on the American continent. I challenge the world to produce a superior bee. Pekin Duck and Chicken Eggs in season. 43-60

ARMSTRONG'S



NEW REVERSIBLE HIVE.

The cheapest, simplest, and most practical hive ever offered to the public. J. Valentine, of Carlinville, Ill., says: "I would freely give \$100 if my 190 colonies were in hives just like them." Sample hive complete and painted, \$2.50. Send your name and post office address plainly written on a postal card and receive my 32 page illustrated descriptive catalogue free. Address.

E. S. ARMSTRONG,
 Jerseyville, Ills.

Bee - Keepers' Supplies!

of all kinds kept in stock, at low rates.

"The Quinby Smoker" a Speciality.

100 stocks of bees for sale, mostly in Quinby Hives, Italians, Hybrids, and Backs. Prices from \$4 up to \$6. Send for price list.

W. E. CLARK,
 Oriskany, Oneida Co., N.Y. Successor to L. C. Koot

98-111

ITALIAN BEE'S AND QUEEN'S FOR 1887.

Tested Queens before June 15th, \$1.50 each. Untested Queens, \$1.00 each. After June 15th, 25 per cent less. Bees by the pound same price as untested queens.

I. R. GOOD,

Nappanee, Elkhart Co., Ind.

TORONTO SUPPLY DEPOT.

AT BEETON PRICES.

MR. JOHN MCARTHUR,

845 Yonge Street, Toronto, Ont.

For the convenience of bee-keepers living within driving distance of Toronto, and inside the city limits, we have established an agency at the above address. All orders which he may be unable to fill promptly will be sent on to Beeton and be filled from here. He will have on hand a supply of hives, sections, foundations, knives, tins, etc.

TAE D. A. JONES CO., 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,

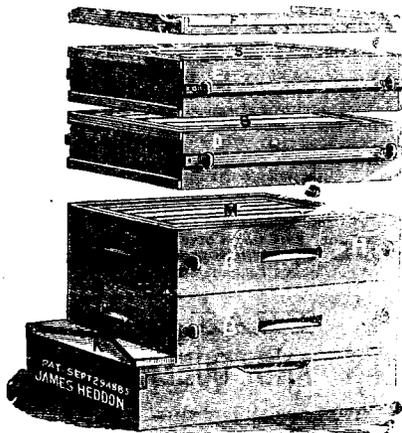
LABELS,

OR GENERAL PRINTING.

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

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

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 up with the brood-frames wired and the surplus cases supplied with fifty-six $4\frac{1}{2} \times 4\frac{1}{2}$ 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

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).....	03 03
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, $7\frac{1}{2}$ 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

He don's 1887 Circular.

NOW READY.

ALL ABOUT THE NEW HIVE.

Canadians who wish my circular to know about the new Hive, ONLY, should send to the D. A. JONES CO., for theirs, as I have sold the patent for all the American British possessions to them, and have no more right to sell the hive in their territory than have they to sell them in the United States.

Address,

JAMES HEDDON,
DOWAGIAC, MICH.

TOOLS For BEE-KEEPERS

HAMMERS.

We shall hereafter keep in stock a full line of tools suitable for bee-keepers. For ordinary use, where a person has only a few hives, etc., to nail, we have an iron hammer (with adze eye) which we can send you at 15 cents.

Then in steel hammers we have three styles all with adze eyes, which we sell at 40c., 50c., and 60c each.

Small hammers—steel face with adze eyes, just what are needed for frame nailing, etc., No. 55, 30c; No. 52, 50c.

SCREW DRIVERS.

With good hardwood handles and of the best steel—nicely finished, round bits, in two kinds, No. 1, 5 inch bit, 18c.; No. 2, 6 inch bit, 20c.

TWO-FOOT SQUARES.

In iron squares we have two kinds—the first of these is marked down to one-eighth of an inch, and is marked on one side only, the price is, each, 20c.

The other style is marked on both sides down to one-sixteenth of an inch—price, each, 3c.

We have a splendid line in steel squares which we can furnish you at \$1.35. They are well finished and are usually sold in hardware stores at \$1.75.

TWO FOOT RULES.

A splendid line in rules we offer at, each, 18c. Then we have a nice box-wood rule at, each 25c.

HAND SAWS

Just at the present we have but one line in these—26 inch long—A. & S. Perry's make—usually sold at 75 cents we offer them for 55c.

PANEL SAWS.

These are what are often called small hand saws, and for the finer classes of the bee-keepers work are indispensable. We have started out with two lines in these. The 18 inch are of good steel (Shirley and Dietrich) and can be sold by us at 50c.

The 20-inch are finer steel—same make—that money.

PLANES.

Iron block planes, just the thing for dressing off hives, each, 75c.

Wooden smoothing planes—the best of the kind, 85c.

All the above goods are sold at prices 20 to 25 per cent. below the ordinary retail price, so that when ordering other goods you may just as well have a try you want as the cost of transportation will not be any greater. These will be included in the next revision of our price list.

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

BEE-TON, ONT.

HIVES AND NEW SECOND HAND.

We have about 500 hives all made up—some of them painted, which are just as good as new, having been used for storing combs in, a few have also been used one season, coat of paint will make them all as nice as new. We have no room to store them, and will sell them at less than regular figures.

In lots of..... 5 15 25 50
Regular price, each.. \$1.40 \$1.35 \$1.30 \$1.20
We will sell at..... 1.00 .95 .90 .85

These prices are for the painted ones, deduct 10 per cent. for the unpainted ones. The terms will be CASH with order, and these will be net figures.

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

DADANTS FOUNDATION

is attested by hundreds of the most practical and disinterested bee-keepers to be the cleanest, brightest, quickest accepted by bees, least apt to sag, most regular in color, evenness and neatness, of any that is made. It is kept for sale by Messrs.

- T. G. NEWMAN, & SON, Chicago, Ill.
- C. F. MUTH, Cincinnati, O.
- JAMES HEDDON, Dowagiac, Mich.
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- CHAS. HERTEL, Jr., Freeburg, Ill.
- E. L. ARMSTRONG, Jerseyville, Ill.
- ARTHUR TODD, 1910 Germantown Ave., Philadelphia
- G. LEWIS & CO., Watertown, Wis.
- E. KRETCHMER, Coburg, Iowa.
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- M. J. DICKASON, Hiawatha, Kans.
- ED. R. NEWCOMB, Pleasant Valley, N.Y.
- J. W. PORTER, Charlottesville, Va.
- ASPINWALL & TREADWELL, Baytown, N.Y.
- ARTON FORD & BARNES, Waco, Tex.
- W. E. CLARK, Oriskany, N.Y.
- PAUL L VIALLO, Bayou Goula, La.

and numbers of other dealers. Write for SAMPLES FREE and Price List of Supplies, with 150 COMPLIMENTARY and UNSOLICITED TESTIMONIALS from as many bee-keepers in 1885. We guarantee every inch of our Foundation equal to sample in every respect.

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

THE CHAPMAN HONEY PLANT,

Having expended thousands of dollars in bringing before the people one of the most wonderful honey producing plants known in the United States, or even in the world, and testing it honestly and fairly, wish to say through your valuable JOURNAL, that the seed contains so much oil that nothing but fresh seed will grow, or by thrashing if the seed is bruised or broken it will not grow, for this reason, and by the advice of many prominent bee-keepers, I have decided to sell the limited amount of seed I have raised this season at the following prices, and will send to those who have already ordered, the amount of seed due them at this low price:

Half Ounce.....	50c
One Ounce.....	\$1 00
Two Ounces.....	1 50
Four Ounces.....	2 00
Half Pound.....	5 00
One Pound.....	5 00

One ounce contains from 1800 to \$1800 seeds. One pound of seed is sufficient for half acre if properly thinned out and reset. Write all orders plainly and given your Post Office in full

H. CHAPMAN.
Vernailles, Cattaraugus Co., N. Y.

APIARIAN SUPPLIES

MANUFACTURED BY

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

Are unsurpassed for **Quality** and fine **Workmanship**. A specialty made of all styles of the **Simplicity Hive**. The "**FALCON** Chaff Hive, with moveable 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**" **BEED FOUNDATION**. Dealer in a full line of **Bee-Keepers' Supplies**.

Send for Illustrated Catalogue for 1887. Free.

W. T. FALCONER.

BEE-KEEPER'S GUIDE,

OR

MANUAL OF THE APIARY

15,000 SOLD SINCE 1876.

The 8th revised edition just out. 10th thousand sold in just four months. More than 50 pages and more than 40 costly illustrations were added to the 8th edition. It has been thoroughly revised and contains the very latest in respect to bee-keeping.

Price by mail, \$1.25. Liberal discount made to dealers and to Clubs.

A. J. COOK, Author & Publisher.

State Agricultural College Lansing, Mich

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FINE BOOK, JOB & LABEL PRINTING

Send for our free "Honey Label" circular. Printing furnished promptly, and neatly done. Estimates of circular and other work on application.

F. H. MACPHERSON,
Manager, Beeton, Ont.



Flat Bottom Comb Foundation.
High side-walls, 4 to 14 square feet to the pound.
Wholesale and retail. Circular and samples free

J. VANDEUSEN & SONS

SOLE MANUFACTURERS,

SPROUT BROOK, MONT. CO. N. Y.

Shipping Labels.

These are for pasting on the

tops of cases.

Price, per 10..5c. by mail, 6c.

" " 100.25 by mail, 27

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YES! I take the Poultry Monthly and consider it

the best Magazine published, by a large majority. My fowls are now the best paying stock that I own. I have cleared over \$400 thus far, and business is just booming. I would advise every poultry keeper to subscribe for it without delay, as it is brim full of practical information.



NO! I do not subscribe for the Poultry Monthly but intend

to do so at once. I am told it is the best poultry journal published. I said I was too poor. My hens did not lay, They sickened and died. I had no poultry paper to tell me what to do, all because I wanted to save a dollar. I had to sell my place under mortgage. The "old woman" has gone back on me. My hair is getting thin, and the fact is I feel bad.

SPECIAL OFFER.

We want to place the MONTHLY in the hands of everyone interested in poultry and pet stock, and will send the paper for a full year for \$1 to all who subscribe this month. The regular price is \$1.25 per annum.

Address,

THE POULTRY MONTHLY.

P. O. Box 215, Toronto, Can.

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Are being offered by the Magazine to the three subscribers who obtain the largest amount of comb honey during 1887. Write for particulars.

BEE-KEEPERS' MAGAZINE,

Barrytown, N. Y.

Mention this Journal.

Queen City Oil Works

The Highest Honors and Gold Medal For Our

PEERLESS OIL.

Manufactured only

SAMUEL ROGERS & CO.

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