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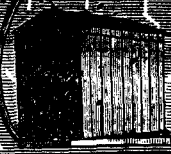
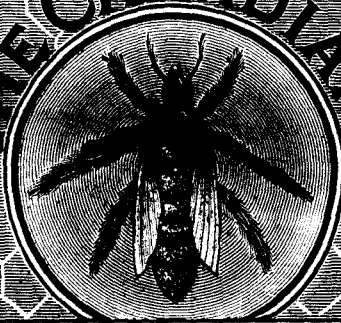
VOL. III, NO. 1.

1887

MARCH 30.

PUBLISHED EXCLUSIVELY IN THE INTERESTS OF THE HONEY PRODUCER

THE CANADIAN



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VOL. III. No. 1. BEETON, ONT., MARCH 30, 1887. WHOLE No 105

#### ANOTHER CHANGE IN NAME.

**W**HIS, friends, is likely to be the last for some time to come, and this one will very much simplify our business arrangements, both in our office and with our customers. The BEE JOURNAL will hereafter be published by the D. A. Jones Co. Ltd., and not by Jones Macpherson & Co. There will be no change in the *personel*, or editors. There need be no discrimination between the two hereafter in writing us, as in the past.

#### A SYNDICATE TO SHIP HONEY TO ENGLAND.

**A**S stated in our last issue, nothing conclusive was arrived at with reference to the way in which honey was to be sent to England—whether by the association or by private enterprise, and the meeting adjourned *sine die*. Those present then convened themselves into a meeting, and Mr. J. B. Hall was appointed chairman of a proposed syndicate to take the products of those who wished to ship their honey in that way, and dispose of it to the best advantage, the proceeds of sales to be divided amongst the producers *after* the sales have been made and the returns received. We shall be glad to have from the chairman a statement of the way in which it is intended to conduct the enterprise—if it meets with the favor of those who have honey to

dispose of in that way—that the honey producers may be able to decide as to the feasibility of such a plan.

#### VOLUME III.

**W**E greet the readers of the CANADIAN BEE JOURNAL with our brightest smile in this the first issue of the third volume. This placid countenance is caused by a knowledge of the fact that we have been able to "get there," as did that individual of the tribe of Eli. Whether we have deserved success or not, we have got it, and as "nothing succeeds like success" our future prospects are indeed bright and cheering. We have, we believe, in our humble way, been able to give in weekly instalments the most of what was good in the apicultural world. It has, perhaps, not been put in very good shape at all times, but still sufficiently plain to be understood.

Our views have been given for what they were worth, and by some were accepted, by others rejected. All we have said has been in the kindest spirit, and we are willing to be like the two friends, who, while they could not agree in all things, were agreeable to disagree.

During the time of issuance of the past volume, much of importance has transpired in the bee-keeping world—principal among which has been the trip of the delegates of the Ontario Beekeepers' Association to the Colonial and

Indian Exhibition at Kensington, England. The good effects which may result from this trip, we hope may not be lost to those who had enterprise and courage enough to place a goodly portion of their crop at their disposal, nor to the rest of those who, while they did not assist in a material way in opening up this market, will reap equal benefit with those who did.

We are anxious to give in the CANADIAN BEE JOURNAL all the latest and best things which come to the surface during the year upon which we are now entering, and to this end we ask the hearty co-operation of all our readers.

#### ENGLISH BEE-KEEPERS.

VISITS TO S. ALLEN AND J. P. SAMBELS.

**D**URING our stay in England we had several very pressing invitations to visit various places and attend several meetings of local bee-keepers' associations. Mr. Corneil and myself attended the quarterly conference of the Herts B. K. A. held in the county town of Hertford on 29th Nov. 1886. During our short stay we were the guests of Mr. S. Allen and Mr. J. P. Sambels, who showed us some of the places of interest in their section of the county.

It would be hard to find two places in England where a person would receive more kindness. Their efforts were untiring to make our visit pleasant and profitable. There is much more that we would like to say about this place and the good people in the locality, but space forbids.

Herts is a small county of only 635 square miles, but it boasts of having the premier county association affiliated with the British B. K. A. Its members in this small area numbers some 500, but this is only one-sixth of the number of persons who actually keep bees in some form although not members of the county association. The county town of Hertford in which the quarterly conference washeld, is a very old time place of some 7,000 inhabitants, its history dates back to the earliest Saxon times. Towards the close of the century, the East Saxon Kings held an ecclesiastical synod there. In the time of the Danes ships used to sail up so far as we find in

A.D., 879; the Danes erected two forts to protect their shipping, but were afterwards dislodged by the ever famous King Alfred. In the year 910 Edward the Elder fortified it and built several houses on the banks of the Lee. His tenants becoming Burgesses, the town thus becoming a borough. After the Norman Conquest a massive stone fortress was built here, the remains of which are still standing as portions of the present castle. In the reign of King John this castle was taken by Louis Dauphin of France. The reign of Henry III. saw the death of one of the famous Earls of Pembroke here at a tournament. Edward III. granted this castle to the famous 'John of Gaunt,' afterwards Henry IV. His two successors, Henry V. and VI., showed the old town great favor, especially the latter, who gave it a new and very extended charter. During the wars of the Roses it was much neglected, and it did not regain its former splendor until Henry VIII. took it in hand, whose daughter the Princess (afterwards queen) Elizabeth frequently paid it hurried visits during her forced residence at Hatfield House, seven miles distant. The inhabitants exhibiting their loyalty by instituting masquerades and sports for her amusement. When she ascended the throne she did not forget to requite those loyal tokens of sympathy, as she gave the town its present "coat of arms" viz., a "Hart in a Ford." During the successive outbreaks of plague in London during her reign, the Law Courts and Council, and on two occasions the Parliament itself, assembled there, hence the names. "Queens' Bench Walk," "Parliament Row," etc. The Stuarts were also intimately connected with the town, one of whom gave it a large tract of land still known as the Kings Meads, but since the Restoration the Castle—much modernized—has been held by private individuals under the Marquis of Salisbury, who holds it on a long lease under the Crown. It was in a town with such an antiquated history, with the Mayor in the chair, that our bee meeting was held. There was a good attendance, as we are told there always is, at these meetings. Among other articles exhibited was a

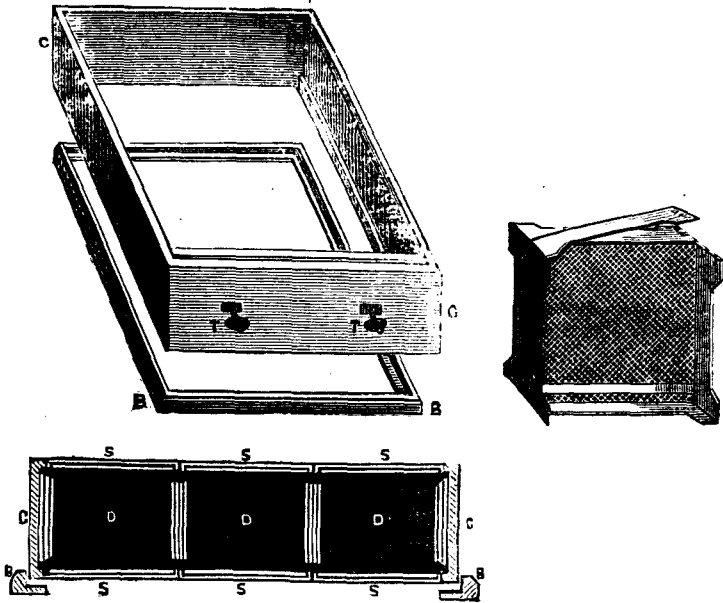
NEW SECTION CRATE,

by Mr. Sambels, which we are enabled

to illustrate through the courtesy of the Editor of the *B. B. J.* It consists of four pieces of wood  $4\frac{1}{2}$  deep to take 21 sections  $4\frac{1}{2} \times 4\frac{1}{2} \times 2$ , the size generally used in England, in fact they look on this size as a kind of "trade mark" of British honey. On the inside of the two sides of the crate are tacked two fillets  $\frac{5}{16}$  of an inch square to form a bee-space around the ends of each row of sections. In the front end of the crate are fitted two iron thumb-screws, T. fig. I., with brass thumb-pieces and nuts, which, when screwed tightly against a sliding board, shown in the engraving, pressed the latter tightly against the sections and dividers, and

about their separators. A glance at the illustration will show that the dividers are as wide as they possibly can be and allow the bees room to pass, in fact, a section case fitted with dividers as here shown, would prevent the queen from entering almost as effectually as a honey board fitted with metal.

Years ago we experimented with these inner pieces in various ways, in connection with supers and sections, and after we had used them and explained their uses in the *C. B. J.* in connection with sections, some one invented and exhibited them in England, taking a prize or medal. We find that if we press sections too tight when dry they become



so held all in position by pressure. English bee-keepers contend wood screws will not suit their climate. The sides of the crate being only exactly the depth of the sections, a bee-space is provided separate, to place on the top of the brood-frames. Mr. Sambels contends 'inverting' will not increase the amount of honey stored in a hive if the bees are kept at work by other methods. But he 'inverts' to prevent 'pop-holes.' The dividers (D fig. II.) which are made of zinc have 'slots' cut in them to allow the bees free access from one row of sections to another; they are cut short at the ends for a similar purpose. English bee-keepers do not use queen excluder zinc, but they are very particular

unnecessarily tight after they have expanded. It appears that the moisture from the brood-chamber causes them to swell, and when they expand  $\frac{1}{8}$  or  $\frac{1}{4}$  inch in the length of the super it requires considerable strength to support them in position.

Mr. Sambels also exhibited a plan of fixing foundation as shown at Fig. III. It consists of cutting one-quarter of the section in half with a fine saw, and having put the piece of foundation in position, closing the piece down on it tight thus holding the foundation firm. This is not new, as Mr. Cowan used it in 1874 in England, but as it has never been illustrated before, it may be new to some of our readers.



For the Canadian Bee Journal.

### Shipping Canadian Honey to England.

I AM gratified that Mr. Hall has taken up the subject of the British honey market for our produce and it does seem to me as if there is great danger that the records of all that has been done by those who sent honey and the delegates who so ably fulfilled their mission are now about to be lost for want of a definite plan of action in placing the next crop of honey within the reach of those who will now be eager to have it. I agree with your remarks, Mr. Editor, in the main, except on one important point. see page 1007, "a competent man must go over to England in advance of the shipment," etc. Now, surely our delegates, with the knowledge of business men they have obtained, could agree upon some responsible man or firm in London who would take these orders in advance, receive the honey in bulk, put up in packages approved by the association and bearing their trade mark and make the returns to the producers direct. This could be done more cheaply than by the proposed way of sending an agent and also, to my mind, much better, as he would be a stranger to both markets and people and might not prove any more reliable than a business firm. Is it possible that none of the great firms who deal in the millions of the world's produce can be trusted with handling a few dozen tons of honey? Let our delegates at once come to an understanding, name a firm that is capable of undertaking it, designate the packages most suitable for the market and let the firm be instructed to have the packages ready. Let the Executive adopt a trade mark, giving authority to use only to our own agents, let us get our honey ready in bulk by a specified date and from one point if that could be done and the most favorable rates obtained. I do not think we shall have to wait long for satisfactory returns. Let our delegates attend to this small matter (but great let us hope in its results) at once, heartily and unselfishly, and, thereby, again put the bee-keepers of Ontario under an obligation. *Finis coronat opus*, I am sure they will then be able to say in future years, when the cry from England comes over the waters, "more honey! oh for more of that Canadian honey!"

J. C. THOM.

Streetsville, March 18th.

The Commissioners at the Colonial can see what we said in the JOURNAL of the 18th March, and also what our good friend, the Dr., has to say. Now, we would like to hear the opinion of others. There would be little difficulty in furnishing the names of a very large number

of commission men or dealers who would take our goods on commission. We once sent a shipment of honey to England to sell on commission, and, although not of extravagant tastes, yet we assure you, we were not able to retire on the profits. After waiting for a long time for some tidings of our honey, our commission man informed us that the expenses connected with the sales and the freight, had slightly exceeded the receipts, thus leaving us indebted to him for a small amount. Good California honey shipped to commission men realized the shipper about two cts. per pound, after deducting freight, charges, and other expenses. There are hundreds of tons of foreign honey sold at the ship's side, docks, or warehouses, at one to five cents per pound. Almost every country ships more or less honey to England, and a person watching the management of it there, without any further experience, would at once come to the conclusion that honey was a drug on the market irrespective of quality, or system of handling. After some experience in the retail trade, we are fully convinced that our superior honey can be placed on the market at paying rates to our producers. This cheap honey is put up in various forms and sold at very low rates, leaving a good margin for retail. When trying to dispose of our honey, we were often told our price was very high, "we only pay so and so for very fine honey." To one not posted in the honey trade, and different qualities of honey, they would soon inform him that he could not sell them honey at our prices. Not only hours, but days, were spent in trying to convince them of the superiority of our honey, and on no consideration would we permit them to put foreign honey on an equality with ours. The houses that handle our honey, should have a competent man to manage that department, and there are not very many in this country who would take such a charge and make a success of it. Their salesmen or travellers should be accompanied, for a few days at least, by an experienced man, until they (the salesmen) learn the best arguments, etc., to use, and is able to talk honey intelligently with any buyer. When a purchaser finds out that he knows more about honey than the man who is selling it,

there is little hope of making a sale, but when a seller thoroughly understands his business, he is always listened to with attention. Take our own case for instance, when a person commences talking bees to us, it does not take us long to tell whether he is well informed on the subject or not, and very little conversation decides who is master of the situation. The quality of our honey is such, that if handled by thoroughly practical men, we ought to sell all we can produce. If we were going to do a honey business in England, one of the first things we would do is, to go there in advance of the goods, and to select packages. These would have to be made specially for the purpose. We would then arrange a system of liquifying and putting up in a proper way, that no mishap should occur from over heating, or from any other cause. The package should be neat, and handsome, in short more attractive than any yet placed upon the market. Lastly, we should expect to have to educate both the buyer and seller on the other side, so they would be able to point out the difference between good and bad honey. All this would necessitate a stay of from 3 to 6 months the first season, and probably three months the second time. Whatever way this matter is gone into it seems clear to us that the corporate powers of O.B.K.A. will not admit of their embarking in the honey business beyond simply countenancing any move made in the general interest of bee-keepers. This is a very important subject and we would like to hear the opinions of the other Commissioners, and any others that may have any suggestions to make in regard to the matter.

For The Canadian Bee Journal.

#### SPRING IN THE APIARY.

Of the oldest of us there is something joyous and romantic about spring, while to the young it is a perfect delight and a "joy forever." As the days lengthen out and the sun increases his strength, warming nature into life, our winter-stiffened limbs limber up, our rheumatic joints dismiss their chronic grumblings and winter aches, our spirits rise with the mercury in the glass, and we succeed fairly well in getting ourselves attuned to "the music of the spheres," that is, the activi-

ties of life in spring time. But to the real, genuine apiarist, saturated with enthusiasm, there is nothing perhaps in the whole universe that will so quicken him into new life in spring as the quiet though joyous hum of his bees as they set out for the first fruits of the field in beautiful pollen and sweet nectar. And this love for the work is half the battle. As the huntsman in the exciting chase forgets his fatigue so the bee-keeper in the presence of humming industry forgets to grow tired. This is no poetic fancy, it is positive fact, as I know perfectly well by experience. During an abundant flow of honey I have done an amount of work in one week in the apiary without fatigue, which would require about twice as long to perform, say in the harvest field. There is something positively exhilarating if not intoxicating in the work of the bee yard when the fields, forests and byways are magnificently yielding up their sweet treasures to our industrious wards. But all is not, however, sunshine in the apiarist's calling. Still we will not dwell upon the dark side—upon the difficulties and discouragements which are sure to come more or less—but will rather take the optimistic view and look to the bright side, especially as in my own case, at any rate, the light has exceeded and, on the whole, prevailed over the darkness.

But this is enough of preliminary sentiment. Now to business. And in the first place before giving a few thoughts on spring management, I beg to congratulate the CANADIAN BEE JOURNAL on the completion of its second year, and its auspicious commencement of the third. Many had considerable misgivings about the project of starting a Canadian bee journal. It was thought it would not get sufficient support to succeed, and it must be very gratifying to those who urged its commencement to find that it has already taken the front rank as an apicultural journal—being second to none with which I am acquainted. How it pays the proprietors financially, of course I know not, but of one thing I am very sure, they deserve great credit for placing a weekly journal before Canadian and American bee keepers at the very low price of one dollar per year, within the reach of every bee keeper whether he has one colony or one hundred.

Our bees are still in winter quarters. But very few in Ontario, I presume, have yet been removed from cellar or other winter repositories. So far as I have heard, bees hereabouts have wintered very well up to date. I have heard of but two cases of loss near at hand—one has lost 6 out of 8, the other, 1 out of several. The former lost the whole of his bees a year ago this past winter. He takes no journal and of course

makes a botch of putting his bees up for winter. When the C. B. J. was first started I directed this gentleman's attention to the fact and suggested that he subscribe; and the next year after he had lost all his bees I again suggested to him the propriety and profit of taking a good bee journal if he intended to do anything with bees; but he thought "for all he was going to do in the business it would hardly pay." Well, he has lost bees enough since the commencement of the C.B.J. to pay for some scores of journals, but of course he knows best whether it pays or not.

#### WHEN TO SET OUT BEES.

When shall we set the bees out? That must depend upon the weather and the condition of the bees. If they are healthy and quiet leave them where they are till towards the end of April or till the weather gets settled to warm. If any colonies have the winter disease (which may be detected by the hive being spotted around the entrance) set such out for a cleansing flight the first suitable day and take them back again to their quarters. Some two or three years ago I did not take the last of my bees out of the cellar till about the 15th of May. As to the time of day to take them out there is a difference of opinion. I always take mine out towards the middle of the day and never at night as I think it hardly safe to count for certain on the weather a day ahead.

#### SPRING MANAGEMENT.

The principal part of spring management necessary after taking the bees out may be put in a very few words, viz.: clean out the hives, give them plenty of stores, make them thoroughly warm and comfortable and then leave them alone. The *let-alone-a-tive-ness* is just about the most important part of the spring management, and although purely negative work it seems to be about as hard work as you can get some young bee-keepers at. These are the real essentials of spring management. The cleaning out ought to be done very soon after setting out so as to avoid the unpleasant bother of "swarming out." Any colony found queenless unite to some other most requiring it. Empty frames had better be taken out and then returned again when required; but the frames containing honey leave with the bees. There is no greater inducement to brooding than the presence of abundant stores in the hive. And if the queen is a good one the brooding will be pushed fast enough under such conditions without any artificial stimulation. But in this, as everything else, the bee-keeper must use judgment and discrimination as some colonies will require stimulative feeding and others not. When it is necessary to

feed at all feed at night, for at this time robbing must be carefully guarded against. Contract entrance to one bee-space till work begins and then enlarge as required. If natural pollen is slow in appearing and the weather is fine I always supply them artificially by spreading rye-meal, oil-cake meal, corn meal or wheat meal in the open yard in convenient reach.

ALLEN PRINGLE.

We must thank our good friend Pringle for his excellent paper on the work we must soon all engage in—and also for the very kind words which he has spoken of the CANADIAN BEE JOURNAL, which, thus far, has managed to pay its way. How much profit we have left we will keep to ourselves. It might make some of our friends feel bad to learn on what a narrow margin of profit we supply them with what is good and interesting in the apicultural world. Friend P. has been so busy during the past season that he has not given us as much from his pen as we would like, but we have his promise to give us his best thoughts quite frequently during the coming year.

FOR THE CANADIAN BEE JOURNAL.

#### A Coal Oil Stove in Apiculture.

FROM the attention that has of late been given to coal oil stoves, I am tempted to give your readers the benefit of my experience and the many ways we find use for the one I have. I would say that mine has four burners, and most, if not all the furniture required for cooking purposes. I scarcely ever use more than two of the burners and very frequently only one. We have not found it necessary to cook with it so cannot speak from experience, but for boiling a limited quantity of water or other liquid it is a great convenience and never makes much trouble or increased heat in the house during some of the warm days of summer. What I have to say regarding one is in connection with apiary work. I only mention it in reference to cooking as a greater inducement for apiarists to have one. I might say that in apiculture the first use that is made of it is in the making of foundation. After the wax for dipping is melted by placing it in a vessel of water on a coal oil stove, the right temperature for dipping is easily maintained. Then in pressing the sheets of wax I rewarm them by placing them, several at a time, in a vessel of water kept warm by this oil stove. By this method I can dip at one time all the founda-

tion I require for the season, pack it away in a box and then press it at any leisure time or just before requiring it, if preferred fresh, and with all have the room at an agreeable temperature. The next use of this stove is with the oven, which is 15 inches long, 13 inches wide and 13 inches deep, which has a centre division dividing it into an upper and lower apartment, which, of course, as with wood stoves, can be removed if desired. Now, by placing a thin board on the centre division, foundation, such as you may want to place in sections or brood frames may be placed thereon and sufficient heat applied to make it easily workable, even though the day be cold. This alone where one has much to do will soon repay the cost of a stove. Another use I have for the oven portion which can be removed from the stove, is in liquifying honey that may have become candied after being bottled or put into tumblers. As this happens during the cold weather when the wood stove is always in use, I had a casting made which fits as does a pot in one of the openings of an ordinary wood stove, only the rim on this casting is large enough to cover the under part of the oven referred to. You then place your vessels of candied honey in the oven when a moderate fire will soon render it liquid without danger to the glass or injury to the labels. The oven of an ordinary wood stove will not do as the heat does not come enough from below. I have never used it in warming my bee cellar or in rearing queens, but presume there are other things in apiculture to which it may be used to advantage. I would say, however, in selecting a stove choose one with ample space between the burning wicks and the reservoir for the coal oil. I am told that otherwise the oil will become hot and liable to explode.

G. A. DEADMAN.

Brussels, Ont.

For the Canadian Bee Journal.

### Bird's Eye View of Bee-keeping.

BIRD'S EYE VIEW OF BEE KEEPING.

ON reading over, in last JOURNAL, the special and very liberal offer of premiums made by the publishers for new subscribers, I notice Rev. W. F. Clark's new work, "Bird's Eye View of Bee Keeping," in the list of valuable books and articles to be generously given as premiums. And this reminds me to say the word now about the "Bird's Eye" which I intended to say on reading it two or three months ago. When the book reached me last summer I was so busy amongst the bees that, although it

is short, I had not the time to spare to read it, and so laid it safely away where it rested till winter—that literary paradise of the bee-keeper. This is my apology for not having had a word to say of it before.

Upon reading the "Bird's Eye View" I remember that I was strongly impressed with its terse matter-of-fact and thoroughly plain and practical character. It is certainly an admirable little hand book for the average bee-keeper and beginner, to be supplemented of course by the journals and text books. Being written in excellent verse it is pleasant and interesting reading as well as useful.

Of course I cannot agree with the whole of Mr. Clarke's positions in his little book, but that is no reason why I should not heartily commend it. We bee-keepers have the habit, like other, people, of differing in judgment and opinion on sundry matters of our favorite pursuit, but we agree to disagree. And as apiculture is not mathematics there is ample room for these differences.

There is one other point (which is, however, literary rather than apiarian in character) upon which I shall have to differ from not only the author but the whole of the reviewers of the work so far as I have noticed. I cannot admit that the "Bird's Eye View of Bee-Keeping" is "poetry." It is rhyme or verse, but such is not necessarily poetic. There may be as much difference between verse and poetry as between sentiment and reason or science and aesthetics. Some of Mr. Clarke's prose writing contains much more poetry than the "Bird's Eye." Indeed, in writing prose he not infrequently gives expression to very fine poetic sentiment. But in detailing dry apiarian facts and hive manipulations we could hardly expect much poetry. Mr. Clarke has ingeniously and with excellent literary effect cast them into verse, and we simply say, well done! At the same time we must call things by their right names. But in buying friend Clarke's book, or earning it as a premium, I can assure the young apiarist that though he does not get poetry he gets what to him is much better, viz. facts well told and worth many times the price of the little book,

ALLEN PRINGLE.

### CONVENTION NOTICE.

The North Middlesex Bee-Keepers' Association will meet in the Town Hall, Parkhill, on Thursday 31st March. There will be an afternoon and evening session. A large attendance is anticipated. A good line of supplies will be on exhibition.

A. W. HUMPHRIES, Sec.

## QUERIES AND REPLIES.

UNDER THIS HEAD will appear Questions which have been asked, and replied to, by prominent and practical bee-keepers—also by the Editor. Only questions of importance should be asked in this Department, and such questions are requested from everyone. As these questions have to be put into type, sent out for answers, and the replies all awaited for, it will take some time in each case to have the answers appear.

### Cubic Feet Per Colony For Wintering.

QUERY No. 139.—(1) How many cubic feet of space should each colony have in either cellar, bee-house or any winter repository? (2) If there are too many colonies in a small place would they not generate so much heat that they would become uneasy. W. M. V.

G. M. DOOLITTLE, BORODINO, N.Y.—(1) I allow about ten cubic feet. (2) Not if well ventilated.

DR. J. C. THOM, STREETSVILLE, ONT.—I cannot answer the first question. (2) I think they would.

H. COUSE, CHELTENHAM, ONT.—If your repository is inconveniently crowded, pay more attention to your ventilators.

J. E. POND, FOXBORO, MASS.—I have never wintered in cellars, so know nothing practically or experimentally about the matter.

H. D. CUTTING, CLINTON, MICH.—(1) I cannot speak from practical experience. (2) With proper ventilation I don't think they will.

DR. C. C. MILLER, MARENGO, ILL.—I think a few will do better than a large number, but a large number can be kept in a cellar, if it is well ventilated, without being too cool.

PROF. A. J. COOK, LANSING, MICH.—(1) With good ventilation or a large cistern to keep temperature uniform, there is no limit except room. (2) Not if we have good sub-earth ventilation.

S. T. PETTIT, BELMONT, ONT.—(1) Do not think there is any danger of having them too close together. (2) No. Just give ventilation according to the crowded condition of the cellar. Of course your bees should be so placed that you can get at the entrances when necessary.

JAMES HEDDON, DOWAGIAC, MICH.—If all other conditions are right, I think you can pack a repository almost solid full of hives containing full colonies; but if some other cause should throw these closely packed colonies into excitement, then the close packing would be bad, as it would aid in increasing and keeping up too high a temperature.

S. CORNEIL, LINDSAY, ONT.—(1) For the number of cubic feet of air required per day see page 501, Vol. I. of the C. B. J. The space required for each hive depends upon how often the air in the apartment is changed. (2) Yes, but it would require to be well built to become too warm in such weather as we have at present.

ALLEN PRINGLE, SELBY, ONT.—The room required will, of course, depend mainly on the strength of the colony. As a rule the colony should have in wintering only the number of frames they can thoroughly cover, say just before they cluster in the fall. If the winter repository is warm and dry they can have more room and more frames with impunity, but not otherwise.

DR. DUNCAN, EMBRO, ONT.—Put as many in as your cellar or bee-house will hold. If it gets too warm you can let in cold air to cool it by a ventilator or opening your door at night. It is a good fault to be warm. Leave the entrance of each hive wide open, and if warm they will cluster outside the hives. It is sudden changes that make them uneasy.

DR. A. B. MASON, AUBURNDALE, TOLEDO, O.—(1) They need have no more space than the hives will occupy. (2) That would depend upon how warm the place is. Has W. M. V. forgotten, or didn't he hear of Mr. Barber's essay on wintering, read last winter at the N. A. B. K. Convention at Detroit. Don't Mr. Barber winter his bees successfully on the outside of the hives with the temperature in the nineties in the shade? My bees get so uneasy before the temperature gets to 60° that I don't dare try the nineties. They are evidently a different breed.

## SUNDRY SELECTIONS.

### THAT LAW SUIT.

A. PRINGLE.—In your last issue you publish a letter from defendant's counsel in the case of McIntosh vs. Harrison announcing that the case is appealed, and ask instructions from the contributors of the defence fund as to whether you shall send on their contributions to the defendant's counsel as requested by them or not.

Replying for myself I beg to say yes, send on my subscription as was originally intended. My own apiary is over a mile from the nearest village (Selby) and over five miles from the nearest town (Napanee) and on my own farm; and I do not therefore suppose I shall even be troubled with legal actions for damages, or restraining injunctions, still I feel it my duty as a bee-keeper to assist in getting a just and final

decision in this case. I fear some of our apiarian friends are with holding their assistance in the case on the somewhat selfish ground that, being quite outside the prospectively proscribed limits like myself they are personally safe. My opinion (freely expressed in these columns) in the beginning was that the Society ought to take the matter up, and I have not changed that opinion. If this case were an honest and just one against a real nuisance and not one merely of spite I should not feel like fighting it.

Selby, Ont., March 23rd, 1887.

#### TOO MUCH MOISTURE.

R. H. SLEETE.—I have only four hives of black bees. Last fall I packed them with chaff in a summer cook house. Put about 16 inches of packing around them and 18 inches on top, and put boards over the top with plenty of weights on them. They are all alive yet but there seems to be a good deal of moisture in the hives. I filled in behind the division boards with dry sawdust, and put cushions of dry sawdust on top of the frames.

I put one colony in cellar and filled in behind division boards with wool and there is wet coming out at the entrance. Warmed bricks in the stove and put on top of cushion, but seems to do no good. They are alive yet. I extracted 100 lbs. last July but had to feed back some of it in the fall. I can manage bees in summer but am very unfortunate in wintering them. Have tried different plans, but haven't found the right one yet. I had a letter from W. Couse asking me to become a member of the Association but am too old to join, being 66 years of age. Well, if my bees are all dead in spring I will have C. B. J. to see how others are doing. My bees are all in Jones' hives. I got one from Mr. Jones and made the others like it.

Topping, March 18, 1887.

Your trouble seems to be covered in the replies to Query No. 138 in the last number of C.B.J., page 1032. More ventilation seems to be required.

## THE CANADIAN BEE JOURNAL

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

EDITORS AND PUBLISHERS,

BEEETON, ONTARIO.

WEEKLY, \$1.00 per Year, Postpaid.

BEEETON, ONTARIO, MARCH 30, 1887.

Our last issue did not leave this office until the 28th inst, just five days after the proper time, owing to the break in our engine which

kept us closed down just one week. We were unable to get the index for Vol. II out in time for that issue, but we have printed it in separate form and enclose it with this issue. This is the first occasion when we have been over a day late and we ask to be excused.

The first number of the *Dowagiac Times* is on our desk. Mr. Jas. Heddon has purchased the plant and will hereafter conduct that sheet in addition to his bee and supply business. It is Democratic in principle, and the pen of our friend Heddon is traceable in every line. We wish it success.

This issue comes to you in a cover of a new color. We felt that the engraved frontal page which we use would appear to better advantage on paper of a lighter color, and we sent to the paper mills a sample of the cover as used on the *American Agriculturist*. The stock they have furnished us with is not according to sample in color and is more the shade of the cover on *Gleanings*, though our object was to get a color as distinct as possible from that. We mention this that we may not be charged with having appropriated the cover of the periodical of our good friends at Medina.

## SPECIAL NOTICES.

Discount for March off our catalogue prices, 2 per cent.

We are prepared to pay the prices reported in the honey markets for all that is sent us, *in trade* at our catalogue prices.

We make a special offer on sections for the next month. We will supply the regular sizes (3½x4½ or 4½x4½) in Linden (formerly Basswood) in lots of 5,000 at \$4.50; 10,000, \$4.25. Price per 1,000, \$5.

We are the Canadian Agents for Mr. H. Chapman, Versailles, N.Y., for the sale of the "Chapman Honey Plant." Prices, ¼ oz, 50c.; 1 oz, \$1; 2 oz, \$1.50; 4 oz, \$2; ½ lb, \$3; 1 lb, \$5. by mail prepaid. One ounce contains 1,600 to 1,800 seeds. One pound will sow ½ acre.

## HONEY MARKETS.

BEEETON.

Extracted.—Very little coming in. For A 1 clover or linden, 9 cents is paid; mixed flavors, 8 cents; darker grades, 6 cents—60 lb. tins, 30 cents each allowed.

Comb.—None offered, with market dull. We have about 200 lbs. on hand, No. 1 will bring 14 cents; No. 2, 12 cts. per pound. See special notices.

DETROIT HONEY MARKET.

Commission men in trying to reduce stocks have reduced prices, and still sales are not satisfactory. Best white honey 10 to 11 cts. Beeswax, 23 cts.

M. H. HUNT.

Bell Branch, March 11th, 1887.

BOSTON.

Honey is selling very well but prices are very low, and we are often obliged to shade our prices in order to make rates. We quote 1 lb. comb, 14 to 16 cents. 2 lb. comb, 12 to 14 cents, Extracted, 6 to 8 cents.

BLAKE & RIPLEY.

CHICAGO.

Since my last quotation honey has come forward very freely and from information now at hand it would appear that the Middle States will have all the Honey produced at home this season that can be marketed or consumed, and that we shall not be apt to draw upon the Eastern States as we did last year. Best grades of white comb to-day at thirteen cents, Extracted six cents. and beeswax 25 cents.

R. A. BURNETT.

NEW YORK.

Since Christmas the comb honey market has been very sluggish and sales slow, but has shown more activity the past week. Stock in dealer's hands is large and prices rule accordingly. We quote present prices as follows:— White comb, 1 lb. sections, 10 and 12c.; white comb, 2 lb. sections, 9 and 10c.; off grades, 1 and 2c. per lb. less; buckwheat, 1 lb. sections, 8 and 8½c.; buckwheat, 2 lb. sections, 7 and 7½c.; California extracted, 5 and 5½c.; buckwheat, 4 and 4½c.

McCAUL & HILDRETH BROS.

HONEY OUTLOOK FOR SEASON OF '87.

The new comb honey coming in shows good quality. There was but little old comb held over, and consequently new arrivals sell well. Fancy white comb in 1 lb. sections, in paper boxes or glassed, commands 12 to 14c. and 2 lb. sections, glassed, 10 to 12c.; while lower grades of both sizes go at 8 to 11c. Dark pungent flavored Buckwheat Honey will probably be a good crop and go lower. The crop in N. Y., Pa. and Vt. is reported fair, while Ill., Iowa, Kas., Wis. and N. W. are said to have yielded well. A small quantity of Southern strained irregular Honey comes here, and sells as low as 50c. per gal. The crop there is large. Eastern Honey in barrels, sell at 5 and 6c. The California crop is reported heavy, and the 1 gal. cans (two in a case,) finds ready sale in the East. In consequence of the big crop of this splendid Cal. Honey and low freights, there have been a number of cars disposed of here already at 4- and 5c. per lb. and much larger sales are expected in cooler weather.

PANCOAST & GRIFFITHS.

242 South Front Street, Philadelphia.

PRICES CURRENT

BEE SWAX

We pay 33c 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...47c  
 " " over 50 lbs. " " ...45c  
 " " cut to other sizes " " ...48c  
 " " over 50 lbs. " " ...46c  
 Section " in sheets per pound...58c  
 Section Foundation cut to fit 3x4 and 4x4, per lb. 60c  
 Brood Foundation, starters, being wide enough for Frames but only three to ten inches deep...43c

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. O. PERRY,  
 Portland, Ionic Co., Mich.

32-5211

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

BEE SWAX WANTED!

Will pay 32 cents in cash or 35 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. It by mail to

ABNER PICKET,  
 Nassagawaya P.O., Ont.

Agent for D. A. Jones Co.'s supplies. 52-6mo.

APIARY FOR SALE!

An Apiary of about thirty Colonies, with complete stock and fixtures for carrying on a profitable business; an excellent and growing local cash market; first-class shipping facilities. 1900 lbs. of honey taken from 14 colonies last season. Bees are from Queens imported from James Heddon, of Dowagiac, Mich. Satisfactory reasons for selling. Enquiries cheerfully answered.

Address, J. WALLIS,  
 Box 90, Bothwell, Ont.

52-3t

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

ITALIAN QUEENS

AND NUCLEI FOR SALE.

Address, A. A. NEEDHAM,  
 Sorrento, Orange Co., Fla.

52-3t

# The Canadian Honey Producer

A MONTHLY BEE PAPER,

Forty cents per year and three subscriptions at one time to any address, \$1. Sample copies free. Also manufacturers of all kinds of bee-keepers' supplies. Address,

E. L. GOULD & CO.,  
Brantford, Canada.

## 50 Colonies Bees for Sale

Italians and Hybrids.—Through April and May \$8.00 per Colony will buy this choice comb honey strain of Bees. Also Queens and Bees by the pound through the season. Address,

JACOB ALPAUGH,  
Box 704, St. Thomas, Ont.

## CANADIAN BEE-JOURNAL.

AND

## AMERICAN AGRICULTURIST.

With a good deal of other valuable matter,

**ALL FOR \$2.00.**

See advertisement on page 964.

# 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 by natural swarming.....	3 00
3 Ditto.....	6 00
Tested Queens, 1886 rearing, each.....	4 00
Extra Selected, 2 years old each.....	10 00

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

**G. M. DOOLITTLE,**  
Borodino, Onon. Co., N. Y.

### Feeders.

The demand for feeders seems to be growing. We offer three different styles suitable for different seasons:

ENTRANCE FEEDERS.	
Double the usual size, each.....	15c
" " per 100.....	\$12 50c

### THE CANADIAN FEEDER.

This is for fall feeding and enables you to feed 15 to 20 lbs. at once with no danger of robbing.



Made up, each.....	\$ 40
" " per 25.....	8 75
In flat, each.....	35
" " per 25.....	7 50
" " 100.....	\$5 00

THE D. A. JONES CO.

## EXCHANGE AND MART.

**JOB LOT OF HIVES.**—See our advertisement of a job lot of hives in another column. The D. A. JONES CO., Ltd., Beeton, Ont.

**BEEES FOR SALE.**—Fifty hives of Italian bees all in first class condition for sale cheap in lots of any number to suit. H. F. & E. R. BULLER, Campbellford, Ont.

**SMOKERS.**—We have 10 No. 1 smokers and 26 No. 2 smokers in stock, which we will sell cheap to clear them out. They have the old style inside spring, but are otherwise just as good as new ones. Price, No. 1, \$1, by mail, \$1.40; No 2, 75c., by mail \$1.00. The D. A. JONES CO., Ltd., Beeton, Ont.

**NOTE HEADS AND ENVELOPES.**—We offer a special bargain just now. 20lb note heads with printed heading, \$1.75 per 1000. Envelopes, \$2.00 per \$1000. See advt. JONES, MACPHERSON & CO., Beeton, Ont.

### 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.

**N. ADAMS.**

Sorrento, Orange Co., Fla.

98-110

## ADVERTISEMENTS

### SUPPLIES FOR THE APIARY.

O. O.:

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. tf.

### M. H. HUNT.

Manufacturer and dealer in everything needed in the apiary. Alsike clover seed cheap and can be shipped from Windsor, Ont., if wanted in Canada. Send for free price list.

M. H. HUNT,

Bell Branch, Wayne Co., Mich.  
(near Detroit.)

48-31.

### 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 12 and 3 1/2 x 15. 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.**

St. David's, Ont.

51-4.

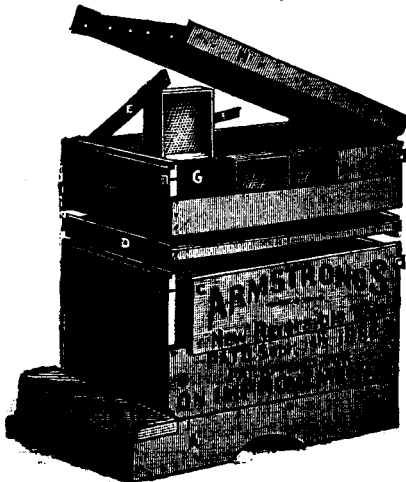


# Italian Queens.

My prices for queen bees for 1887 will be as follows:—  
 Tested queens on June 5th 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 last 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 enthusiastic 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.

# 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 Specialty.

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

**W. R. CLARK,**  
 Successor to L. C. Koeb.  
 Orliskany, Oneida Co., N.Y.

# KENWARD-HALL APIARY.

We will duplicate all offers made for queens from imported 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.

# North Carolina Tar Heel Apiaries.

1887 5 71-69 1887

# ABBOTT L. SWINSON,

PRACTICAL APIARIST,  
 PROPRIETOR,

Goldboro, 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. 48-60

# ITALIAN BEES AND QUEENS 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 WHOLESALE PRICES.

**MR. JOHN MCARTHUR,**  
 345 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 Boston and be filled from here. He will have on hand a supply of hives, sections, foundations, instruments, etc.

**THE D. A. JONES CO., Boston.**

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

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, 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 25
Tin Separators, per 100 proper width.....	1 50
Brood Frames per 100.....	1 25
Wide " " ".....	1 50

## 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 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

## Heddon'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.

# ITALIAN QUEENS.

## Bee Hives and Supplies.

One piece sections, crates, shipping cases, foundation extractors, honey knives, bee-feeders, wire nails and metal corners.

Please send your orders before the rush comes.

B. J. MILLER & CO.,

98-110.

Nappanee, Ind.

## ITALIAN QUEENS, 1887.

For Italian Bees and Queens in their purity for beauty and working qualities they are equal to any in the U.S. or Canada. Comb Foundation, 40c. per lb. Untested queens, \$1 each, \$11 per dozen; tested \$3.50 each. Queens reared in full colonies from egg; safe arrival and satisfactory guaranteed. Send for circular.

T. S. HALL,  
Kirby's Creek, Jackson Co., Ala.

ESTABLISHED 1855.

## BEE SWAX HEADQUARTERS,

We have constantly on hand a large stock of Domestic and Imported Bees wax in original shape, which we offer to manufacturers of Comb Foundation at lowest prices. We guarantee all our beeswax absolutely pure. Write to us for prices. Address.

R. ECKERMANN & WILL,

Beeswax Bleachers and Refiners. Syracuse, N.Y.

## BEE-KEEPERS ADVANCE.

Is a Monthly Journal of 16 Pages. 25 CENTS PER YEAR. Clubbed with the CANADIAN BEE JOURNAL for \$1.10. Sample copy sent free with our catalogue of supplies. Don't forget to send name and address on a postal to

J. B. MASON & SONS,

t.f. Mechanics' Falls, Me.

## Western BEE-KEEPERS' Supply House.



We manufacture Bee-Keepers' supplies of all kinds, best quality at lowest prices. Hives, Sections, Comb Foundation, Extractors, Smokers, Crates, Honey Buckets, Veils, Feeders, Bee-Literature, etc., etc. Imported Italian Queens, Italian Queens, Bees by the lb., Nucleus or Colony. "Bee Keepers' Guide, Memoranda and Illustrated Catalogue" of 48 pages FREE to Bee-Keepers. Address JOSEPH NYSEWANDER, DES MOINES, IOWA.

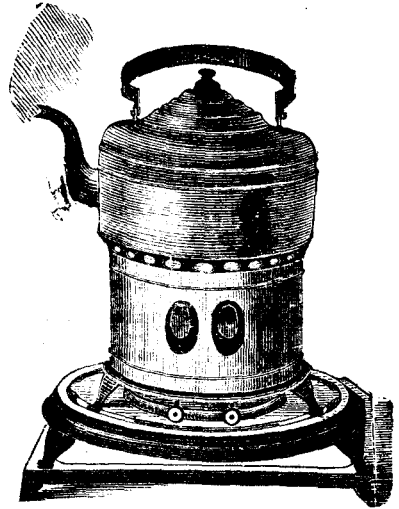
## Coal Oil Stoves.

These stoves are likely to come into general use, as an article for the apiarist, to be used in connection with ripening honey, making syrup, tempering the bee-house, etc., as well as being a very handy and useful utensil for the good wife in the hot summer days.

G. M. Doolittle uses one for ripening comb honey.

Eugene Secor has one in his cellar to keep the temperature at the proper point.

And it is, we think, W. Z. Hutchinson who uses one for making syrup for feeding.



NO. 2 VICTORY WITH KETTLE.

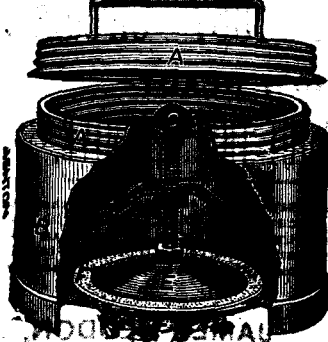
The prices of one like the above illustration, either galvanized or black iron drum, will be \$4.00. D. A. JONES CO., LD., BERTON.

**RAY'S OF LIGHT.**—A new publication devoted to Bee-keeping and Poultry-raising. A number of the leading, most practical and successful Bee and Poultry-Keepers have already been secured as regular contributors. Its principal aim will be to advance progressive ideas upon the various topics of modern scientific Bee-culture and Poultry-Raising. Subscription, 50 cents a year. Sample copy free.

J. J. MARTIN & CO.,

North Manchester, Indiana.

PAT. APPLIED FOR.



## PERFECTION BEE FEEDER.

The "PERFECTION" having been thoroughly tested, and proved of inestimable value in bee culture, the undersigned, a practical apiarist, is prepared to furnish the same at reasonable prices, and the usual discount to the dealers. Among the many points in which this feeder excels all others are the following.

The supply of food can be perfectly regulated.

The food will not become rancid, nor sour, and is strained before it reaches the bees.

The same method is used in feeding as provided in nature.

The "PERFECTION FEEDER" is simple in construction, well made, readily cleaned and durable.

It is most admirably adapted to the use for which it is intended, and will give entire satisfaction to those who will give it a trial, as its merits are unquestionable.

Prices for sample Feeder, by mail, postage paid, 4 lb. Feeders, 50cts. 6 lb. 60cts. 10 lb. 70cts.

For one dozen PERFECTION FEEDERS F.O.B., 4 lb. \$3.50, 6 lb. \$4.50. Address, M. J. HASTING, New York Mills, Ontario Co., N.Y.

# 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, 35c.; 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, 31c.

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 17 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.,**

**BEETON, ONT.**

# HIVES NEW AND 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	\$1.30
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 nett figures.

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

# DADANT'S 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.
- F. L. DOUGHERTY, Indianapolis, Ind.
- CHAS. H. GREEN, Berlin, Wis.
- CHAS. HERTEL, Jr., Freeburg, Ill.
- E. L. ARMSTRONG, Jerseyville, Ill.
- ARTHUR TODD, 1910 Germantown Ave., Philadelphia
- G. B. LEWIS & CO., Watertown, Wis.
- E. KRETCHMER, Coburg, Iowa.
- E. F. Smith, Smyrna, N.Y.
- EZRA BAER, Dixon, LaSalle Co., Ill.
- J. B. MASON & SONS, Mechanic Falls, Me.
- M. J. DICKASON, Hiawatha, Kans.
- ED. R. NEWCOMB, Pleasant Valley, N.Y.
- J W PORTER, Charlottesville, Va.
- ASPINWALL & TREADWELL, Barrytown, N.Y.
- BARTON, FORSGARD & BARNES, Waco, Tex.
- W E CLARK, Oriskany, N.Y.
- PAUL L VIALLOIN, 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 lot 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
Onc Ounce.....	\$1 00
Two Ounces.....	1 50
Four Ounces.....	2 00
Half Pound.....	3 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.**  
Versailles, 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 movable upper story, continues to receive the highest recommendations as regards its superior advantages for **wintering** and handling bees at all seasons. Also manufacturer of **"FALCON" BEARD FOUNDATION**. Dealer in a full line of **Bee-Keepers' Supplies**. **TWO (2)** per cent. discount in March. Send for Illustrated Catalogue for **1887**. Free.

W. T. FALCONER.

## BEE-KEEPER'S GUIDE.

OR

MANUAL OF THE APIARY.

1,5000 SOLD. SINCE 1876.

The fourteenth thousand 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 Michigan

Beeton Printing & Publishing Co.

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

" " 1000.1 50 by mail, 1 60

THIS SIDE UP  
WITH CARE



**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.

## PRIZES.

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 by

SAMUEL ROGERS & CO.

Toronto