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VOL. III, NO. 3.

1887

APRIL 13.

PUBLISHED EXCLUSIVELY IN THE INTERESTS OF THE HONEY PRODUCER

THE CANADIAN



JOURNAL

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WEEKLY

IN THE WORLD

ONE DOLLAR PER YEAR

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# THE CANADIAN BEE JOURNAL

WEEKLY.

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

Vol. III. No. 3.

BEETON, ONT., APRIL 13, 1887.

WHOLE No. 107

## CALIFORNIAN HONEY IN ENGLAND.

WE have before us the "Annual Market Review" of the honey and beeswax business of California for 1886, as issued by Messrs. Schacht & Lemcke, of San Francisco, Cal., shipping and commission merchants. From it we glean some very interesting information. We find that the number of cases of honey (each case we believe holds an average of 112 lbs.) shipped to England in 1885, amounted to 10,000; and in 1886, only 3,475 cases, of which 1,500 were of the production of 1885. These gentlemen estimate that the total production of honey for 1886 amounted to 2,000 tons extracted and 500 tons comb honey. The exports to England as given here looks well on paper, but on a closer examination we find that a very large quantity of the honey thus shipped to the British market remains unsold on the docks, even to this date, so that the reason as given by Messrs. S. & L. for the small shipments of 1886, is nearly in accordance with the facts as we find them. The reason they give is that "the small shipments to Europe in 1886 were caused by the low prices ruling there in consequence of too heavy shipments in the preceding years, and by no means by the decreasing demand abroad, because California honey finds more and more favour everywhere." On the 14th Oct. last no less than 910 cases of Californian honey were put up by auction at the docks in London, Eng-

land, and one-half of it only found buyers, the balance being still in hand. The commission merchants carry stocks generally about a year before disposing by auction, so that it is probable many of the 1886 shipments are still waiting for purchasers. We give in the above only the number of cases held by two firms, and it is probable that there is in small lots at least as much more of the 1885 crop as here given. The prices at which honey was disposed of in California was 3 to 4½ cents per pound, according to quality. It has then to be sent to England, freight paid and stored there for nearly year (the 910 cases reached London July 1885) there to be sold at an average of 20 s. per cwt. (112 lbs.) the lowest being 13s. 6d. and the highest 26s. Off this 20s. must be deducted for discount, commission, brokerage, trade allowances, postage, insurance, dockage and other charges, amounting, we are told by the principal of one of those firms to about 2s. per cwt., so that the exporter gets 18s. per cwt. net, and out of this has to pay freights, etc. The price per pound received, on the average, for the honey which was disposed of at that time, was therefore from 3 to 3½ cents per pound. Most of you will be able to figure up the profits in these transactions. We give these particulars that some of those who still have faith in the "commission" system of disposal of our honey in the English market, may have new ideas to think upon. All the facts and figures given here are taken from written and printed matter before us.

## OUR PORTRAIT GALLERY.

ALLEN PRINGLE.

**W**E have pleasure this week in presenting to you a sketch of our friend Pringle. You have all heard so much of him and read so many of his practical jokes that you will feel quite interested in meeting him (if only on paper) and thus becoming better acquainted. Though I have never yet had the pleasure of meeting him personally, yet, by long correspondence, it seems almost as though I had. I hope, however, that the time is not far distant when we shall meet. If friend P. can't get time to come and see us,

In response to your request for facts, etc., in connection with Mr. Allen Pringle's life, especially as a bee-keeper, I beg to say:—

Mr. Pringle was born on the 1st of April, 1841—some 46 years ago—on the farm and in the county (Lennox) where he now resides. At the age of ten the lad might have been seen on a wood sleigh one fine morning in April accompanying his father to a neighbour's house about 3 miles away. They were going for their first "skip" of bees which they had purchased from their neighbour. The colony was of course in an old box hive and they got it home in good shape on the sled; and thus commenced young Pringle's experience in



why then we must try and go and see him. My people live down the St. Lawrence below Napanee some distance, and next vacation I am able to steal I shall drop off and run out and spend a day with him. I am doing this invitation business myself, but I know I shall be none the less heartily welcome, because had Mr. P. any idea of its acceptance one would have been proffered long ago. We had a couple of Mr. P's. friends furnish us with the particulars of this biographical sketch, and as the first sketch received is so well written, we publish it, as received. The second corroborates the first, and space will not permit its publication.

F. H. M.

bee-keeping. Up to the age of fifteen he attended the local school in winter and assisted with the bees and farm work in the summer. By that time he had acquired about all the learning the average country school pedagogue could impart, besides quite a fund of antiquated bee-lore. He now began to think of doing something for himself on his own account. Accordingly one morning in May, bright and early, the self reliant and ambitious youth started off on foot and alone to a neighboring town several miles away to attend an examination of candidates. He was successful and came home at night with his certificate of qualification in his pocket to teach any common school in the county.

Soon after, at about the age of fifteen, he took a situation as teacher, and there ended his own school education with the exception of subsequently attending one or two terms at a High School. For several years the winters were spent teaching the "young idea how to shoot" in some of the most difficult schools to manage in the county and with great success; while the summers were mostly spent on the farm and amongst the bees which, under skilful management, had increased from the original old box hive to over half a hundred prosperous colonies. As the somewhat precocious youth had readily learned all the country pedagogues could teach him at school so he soon acquired all the bee learning the old wisecracs of the neighbourhood possessed. Not content, however, with this and learning that a great book had been published on bees he sent for it and got it in due course by mail. It was Quinby's "Mysteries of Bee-Keeping Explained." From this he got new hints and much valuable information and his enthusiasm for bees and bee-keeping began to develop into a passion. He handled his bees, observed them, studied them and fairly loved them. Being a natural investigator he kept well abreast, if not ahead of the times in the science and art of apiculture. He used a movable frame hive, an old fashioned extractor and got the nearest blacksmith to make him an uncapping knife out of an old file, which he still uses and which has shaved the caps off many thousands of pounds of honey. During the first years when using the box hive a bee-house for wintering above ground was built, filled in with sawdust, into which the bees were put about the first of December each hive turned upside down ("standing on their head") where they wintered very well with little loss. But old methods were rapidly abandoned for better and the bee-house also as not coming up to the mark. In the fall of 1868 Mr. P. met J. H. Thomas, the Canadian bee-keeper, then of Brooklin, Ont., at Toronto, and being satisfied he could improve the Thomas hive so that it would just about fill the bill, he bought out the patent rights of the hive for Lennox and Addington, together with some 30 to 40 of the hives, "single" and "double walled" taking his valuable

gold watch and chain out of his pocket and handing them over to Mr. Thomas as payment. He went home with the deed in his pocket and the hives soon followed him over the Grand Trunk. The bee-keepers of the two counties went to him for hives and rights. Bee-keeping thereabouts got a decided impetus, while Mr. P. was fully recouped for his outlay. He improved the Thomas hive squaring off the frames and hive at the bottom, substituting metal bearings for the wooden gains and with some other changes made a first class hive of it which he still uses in his apiary along with something less than a dozen other styles. Through a strong love for bees and a natural adaptation to the handling and management of them, supplemented by a long experience Mr. P. has become one of the most complete and skilful bee-keepers in America and is looked to as an authority on bee-culture by all who know him. Nor is there any selfishness here for he freely communicates the fruit of his knowledge and experience to all who seek it. More than one young bee-keeper in his own locality has he helped on to a very promising success although the prospect of early competition from them in the business was apparent. He sells the most of his honey in the home market—having regular customers, increasing in number from year to year, whom he keeps, amidst competition, by honest and honorable dealing. His honey being of best quality, tastefully put up, always takes the first prizes at the Lennox Agricultural Exhibitions. Mr. P. is a great worker. There is probably no bee-keeper in Canada who gets through with as much. He manages his whole apiary, of over 100 colonies, alone, doing all the work, puts up and markets his own honey, besides running a small farm for honey—sowing Alsike clover, Buckwheat and other honey plants. Add to this a large correspondence, much writing for the press, etc., and it may readily be seen that Mr. P. is not likely to rust out for want of work. Perhaps one secret of his great success as a bee-keeper is that he has no fear at all of the little insects and is almost, if not quite, proof against virus of the bee stia, not minding it any more than the pricks of a pin or a thistle. He says this is due to "good



blood and clear conscience." In order to keep constantly on hand (so he says) a plentiful supply of the former he abstains from tea, tobacco, whiskey and stimulants generally, while he takes but two good square meals every 24 hours without any lunches. This hygienic regimen he has adhered to for a quarter of a century, declaring that whatever he does or leaves undone in life he will try and avoid making the common blunder of digging his grave with his teeth." Mr. P. is probably, in his daily life and habits, as good an example of temperate and hygienic living as could be found in some days travel. Through holding and expressing unpopular opinions on some subjects he is held in high esteem by those who know him best and his word is his bond. I have now probably said enough for your purpose. Upon the accuracy of the statements made you can, however, rely.

### COMBINATIONS FOR HONEY PRODUCERS.

WHAT FRIEND HICKS THINKS OF THEM.

WHEN viewed from a practical stand point it seems to me as a step in the wrong direction, especially so if we are allowed to judge of other combinations, such as Boards of Trade, Railroad Corporations, and many others I could mention of which I do not wish to leave unnoticed, the Coal Oil and Express Combinations, all of which have and are still continually sacrificing every principle of justice in order to accomplish their cunningly devised plans of injustice towards the many. These things will, at some future time, be more fully noticed and properly managed by the masses. Such corporations seem to flourish like the green bay tree for a while, but *God is just*, and will, doubtless, put it into the hands of His people to rectify these inhuman wrongs now exercised by almost every organization in existence. It has for many years been the custom of many honey producers to consign their crop to some commission dealer in some city, for instance one C. O. Perrin, of Chicago, who used to deal heavily in pure honey as furnished by the bee-keepers, as well as much of his own bogus production added in order to make more extended sales. More than once have we seen his bogus productions in glass jars and tumblers for sale in the grocery stores of our own Hoosier State. Mr. C. O. Perrin was not alone in such dealings as well as quoting honey at certain

figures far below the actual sales made. We also find for several years past the quotations of honey (not glucose) have been very low by the various commission men in many cities, and especially in Chicago and Cincinnati, at the same time I retailed all the honey I could produce at 20 cts. for extracted and 25 cts. per lb. for comb honey. And at this writing I have disposed of my 1886 crop at 20 cts. per pound, something over 4,000 lbs., all of which has been sold direct to the consumer, and not a pound went into a grocery store or to a commission merchant. I have long since found that it takes industry to produce, as well as to sell honey at a paying price. The former commodity (industry) does not in a very great degree abound among the commission men of the present day, except at the expense of the producer, hence every producer can well afford to be his own salesman, provided always he desires good and reasonable returns for his honey. It seems to me after many years of close observation and contrasting the past with the present state of things, that it would be vain illeness for the bee-keepers of America to try such a scheme as heads this article. It is a true saying and worthy of full consideration, that even in all such combinations, the big fish eat up the little ones, and the stock goes up or down as the case may be. But one thing is sure, that the little fish soon find themselves far in the rear of the sharks, which has been, and is yet, the order of the day among all combinations, and the many suffer at the hands of such organizations, hence I for one, am opposed to all movements, especially so, when they have such a strong tendency of becoming a monopoly, which, if once organized, would have no other object in view than to control the honey trade, as against the consumer and directly in the interests of such organized monopoly. In fact, so far as our commission honey dealers at this date are concerned, it almost amounts to the same thing; a few of whom have control of the trade now in their locality, and we often hear of sad complaints from parties who make consignments, failing to receive enough in return to pay ordinary expenses of production and cost of shipment.

J. M. HICKS.  
Battleground, Tippecanoe County, Ind.

Well done, friend Hicks, you need no combination to boom prices for you. We wonder how many more of our bee friends will see the necessity of establishing a home market, by allowing no person, whether rich or poor, to go without a supply of honey, at all times of the year, if effort, honest dealing and good

honey will secure it. Bee-keepers have been giving their attention too much to cities and towns, and allowing the rural population to go without. We have never known an instance where the proper effort was put forth and the best management adopted that honey could not be sold in much larger quantities. There is not one quarter of our territory where honey might be sold, occupied to-day. In one district where a house to house canvass is being practiced, the sales are increasing at every round, in fact the canvasser is himself astonished at the large quantities he is able to sell, and after paying the ordinary wholesale price for it, finds he can make more money in that way than he could by hiring by the day or month. Of course, he is well suited to his occupation. How many thousand ladies and gentlemen have we idle at the present time, or earning very small wages, who, if they would embark in the sale of honey, and apply themselves with the same diligence, might secure a much better living, and who could refuse to buy honey from a lady? Any who embark in this business and endeavor to succeed, will be conferring a benefit on the bee-keeping public. What you say in reference to placing our honey in the hands of men who adulterate cannot be put too strongly, for, no doubt, great injury is done our market through these men. It is quite a common thing in London to see large shipments of honey from America and other places sold at 3 to 5 cents per pound.

From Our British Correspondent.

#### MEL SAPIT OMNIA.

**T**HE C. B. J., of Feb. 16th, has come to-day, so you see how far we are removed the one from the other in point of time as well as space. When the happy time comes that we shall be connected with the Editorial chair in Beeton by telephone, we shall appreciate the advantages of that great invention more than we do at present, but till then we must be content with the slower steamship.

The Rev. Wm. F. Clarke would like to know more about us. It is astonishing how soon one grows familiar through the post. I have packages of honey by me now, labelled with the names of Pettit, Couse, Dunn, etc., etc., and although I have never seen their faces yet that fact, and weekly seeing their names in print in the C. B. J., makes them and many others, al-

ready seem as old friends to us. J. Heddon too, when reading his article on page 927, and the Editor's remarks appended, made me feel how much I should like to walk into his convention in May next, that he so wishes for, and having done so, proceed to walk into some of the abuses he so loudly denounces, and then walk into him if he talks of 'priority of location' etc., etc., and it would be all in good humor. Don't you know we are 'free traders' and stout upholders of a 'fair field and no favor,' or else how would the 'priority of location' doctrine suit our Canadian brethren when they look for a share of our market?

Well, friend Clarke, Mr. Jones had small opportunities of seeing any manipulations and management, do what we would we could not get them to get out of that foggy hole until their honey was sold, and when they saw the last of that 'we must be off home,' was all we could get in the way of answer to invitations. But, if you can get the Editor's consent, I will be only too happy to write you a few papers on the class of hives in general use here and the various classes of bee-keepers that use them. We can get illustrations of each at little expense, and so I hope the thing can be managed easily and to our own mutual edification. You can repay us by giving us a line on any new phase of anything that may occur to you as being of interest to us in England, through the columns of the *B. B. J.*, and so pay us 'tit for tat.' It was only a couple of days since the Editor of our *B. B. J.*, writing me from Switzerland, expressed his pleasure that our friends Messrs. Pettit and McKnight had not forgotten us. So this I hope will encourage you all to continue.

A few lines on spring management may be of interest to you. You will remember all our bees winter out of doors on their summer stands. They are closed up to as few frames as there are bees to cover, and the space is filled in with loose cork-dust, chaff, saw-dust, or by the more fastidious, by cork-dust cushions. This is done in October. We usually leave them alone until early in March, when on a fine day we can get 70° F. in the sun and bees are flying, we then see how they are looking inside. We usually uncover one-half of the frames at a time, divide the centre ones, look to see if there is brood, ascertain that they have ample stores, and if not, give them reserved frames of sealed stores, or, failing that, candy, and close all up again. If a colony has no brood and we have reason to think the queen is alive and well, although we do not see her, we uncap a piece of the sealed stores and so close up. We always do all this as quickly as possible, using as little smoke as we possibly

cap, being careful not to incur risks of chilling brood or robbing (our bees are no honester than yours). Some of the more meddlesome, may uncap stores once a week during March, but most of us prefer to let them alone, having once given them a start. In most districts there is natural pollen by the end of February, but when there is not, we place artificial pollen out in the open, in the form of pea-blow or rye-meal. By April 1st we can usually risk stimulating by syrup, as the weather is suitable for bees to take occasional flights, we then commence to spread brood, but of this more anon.

Our British B. K. A. has a very nice library, which is being continually added to; some of the books are very old and rare. I am sure if you think of acting on your President Pettit's suggestion, there are many in England that will be happy to contribute an odd volume or two to it, if you will accept of them. In this you can practice reciprocity also, to the mutual advantage of all. Don't throw away the advantages to be gained from the friendship commenced through your visit to the old country. Pardon me if I talk straight, it is a way of mine that was born with me. Fraternaly.

AMATEUR EXPERT.

March 11th, 1887.

For the Canadian Bee Journal.

### THAT SYNDICATE.

ON page 1, No. I., Vol. 3, it is stated that I was chairman of a proposed syndicate, its object being the shipment of honey to Britain. I know of no such meeting, and have not occupied the chair at any such meeting.

J. B. HALL.

Woodstock, April 5th, 1887.

We must apologise for having, unintentionally however, placed Friend Hall in a false position in our remarks which he refers to above. What we meant to have said and what we should have said was that after the Directors had adjourned their meeting, Mr. Hall was then appointed chairman of a meeting for the purpose of forming a syndicate to ship honey to England. We are glad to place the matter as it should be, and sorry that we made the misrepresentation.

The Canadian Bee Journal.

Vol. I, bound in cloth, \$1; Vol II, which was completed April 1, 1887, \$1.25; Vols. I and II bound and clubbed with Vol. III, commencing April 1, \$3.00.

## 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.

### BEST FOOD AND MODE OF FEEDING LIGHT COLONIES.

QUERY No. 141.—In looking over my hives I find several colonies light in stores, I fear they will not have enough to carry them through. (1) How can I feed them most successfully? Some of them are on their summer stands, others are in the cellar. Can I feed those on their summer stands without removing them to the cellar? (2) What kind of food should I use? (3) I have some sealed honey, would it do to put that in, or would it disturb them too much to do so?

G. M. DOOLITTLE, BORODINO, N.Y.—Yes, use the "Good Candy" or your sealed honey as you prefer.

JAMES HEDDON, DOWAGIAC, MICH.—I would put in the sealed honey but not until I was sure they needed it.

JUDGE ANDREWS, MCKENNY, TEXAS.—(1) If I had them I would open their hives and insert frames of sealed honey. (2) See answer 1. (3) See answer 1.

DR. C. C. MILLER, MARENGO, ILLS.—Put frames of sealed honey in or close to the cluster. Be sure the bees will reach it. Attend to the outside ones on a warm day or else take them in the cellar.

PROF. A. J. COOK, LANSING, MICH.—Insert a comb filled a la Dr. C. C. Miller (see "A year among the bees") or feed Good candy in hive above frames. The latter could be placed on frames outdoors.

H. W. CUTTING, CLINTON, MICH.—If you have sealed honey place it on top of frames, place the quilt over it good and tight. You can feed those on summer stands as well as if they were in cellar. Disturb them as little as possible.

DR. A. B. MASON, AUBURNDALE, TOLEDO.—If you have sealed honey, use it, putting it to one side of the cluster, but so the bees will get it. Should prefer to have them in a warm cellar. If you have not enough sealed honey, feed them the "Good" food.

J. E. POND, FOXBORO, MASS.—On a warm day when the bees can fly safely, put in a frame of honey. If no such day turns up put in some "Good Candy" on top of the frames, being sure to cover it in warm and nice. The whole matter is experimental and may fail no matter how much care is used.

H. COUSE, CHELTENHAM, ONT.—Place cakes of candy directly over the frames of those colonies in the cellar, with as little disturbance as possible and for those outside place a frame of the sealed honey next the cluster of bees. You could not place the frames of honey in the hives inside with as little disturbance as the candy, otherwise the honey would be best.

S. CORNEIL, LINDSAY.—Get from your grocer as many wooden dishes used for sending butter and lard to customers, as you have stocks to be fed. Fill these with "Good Candy" and place one inverted over each cluster whether in the cellar or outside. Cover with warm quilts. This is the best that can be done at present. Give the sealed honey in spring.

ALLEN PRINGLE, SELBY, ONT.—This winter feeding is a bad business and by the time you have the botheration of feeding one or two winters you will always be sure in the fall that your bees have enough. Yes, by all means give them the sealed honey in preference to anything else. But if it has been in a cold place, dry and evaporate it thoroughly before you give it to them.

G. W. DEMAREE, CHRISTIANBURG, KY.—I would feed them right where they are. You can lay a comb of sealed honey right over the cluster and cover up warm, or you can hang the comb next to the cluster in the brood nest. Sugar should not be fed except in case of necessity. I am now wintering about 20 colonies on candy made of Coffee sugar mixed with candied liquid honey, packed in shallow frames and laid right over the cluster.

DR. J. C. THOM, STREETSVILLE, ONT.—Have never tried this risky business of feeding bees in winter. I cannot tell you the way to do it most successfully. I "guess" that maple sugar would be about as safe a form of food as you could use. The "Good" candy would be good if you have your own honey to mix with the sugar, if you have to buy honey to feed your bees, don't do it as you may be feeding foul brood too at the same time. Put in the combs of sealed honey by all means.

S. T. PETTIT, BELMONT, ONT.—If you know just which the hungry ones are go about it as

quietly as possible and place some "Good Candy" on top of frames right over the cluster. Your sealed honey is all right but the disturbance would be bad. I was so unwell last fall that my bees had not the attention in feeding time that I desired to give them, and so I may lose ten per cent by starvation but I do not know the deficient ones and so will not disturb them.

DR. DUNCAN, EMBRO, ONT.—Take those outside into the cellar and feed with pure honey or fine sugar syrup warmed before feeding. Lay a piece of empty comb over the frames, put your feed in the comb and keep it covered with hive cover to prevent the bees from running outside the hive. Feed a little every two or three days and you will succeed. I am feeding three hives that were light since they were put in cellar in November and they are doing well so far. Your sealed honey would be too cold unless you warm as you are feeding.

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## SUNDRY SELECTIONS.

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### CORRECTION.

MISS. H. F. BULLER.—I see in my letter printed in the JOURNAL of the 23rd February a slight mistake. "Thin" sawdust cushion, should be *thick* sawdust cushion. I dare say the error was mine through a slip of the pen but I never put a thin cushion over bees out of doors in the winter even with warm quilt under.

Campbellfield, Ont.

### CANDY FOR BEES.

AUBREY W. DABBY.—My bees are wintering nicely I think. Have some packed in clamps out of doors and some in the cellar. My thermometer registers about 40° in my bee cellar. Is this too cold to winter properly in? It is ventilated by a pipe from the window. Please give me the recipe for making candy for bees. Hoping you will answer these two questions through your BEE JOURNAL.

Alburgh, Grand Isle Co., Vt.

You will find our recipe for bee candy in Vol. 1, page 563. The temperature of your repository is too low, it should not go below 45°. It would be better to keep it at 50° than at 40°.

### UNCAPPING MONEY IN THE SPRING.

Under this heading appears query No. 136. I would like to get a little light on this subject, but it appears from the answers given to this query that very few spread the combs in the

summer to allow the bees to build the comb past the frames. I have been following your directions of spreading the combs and they are built over and will have to shave them off this spring. The way I manage this job is to allow the frames to remain in the hive, smoke the bees down, then shave the piece off that is built past the frame with a sharp knife, being careful not to allow the knife to reach the brood, and I let the piece shaved off go down to the bottom of the hive. I shave them all down at the one time and shove the combs up, then in a day or two I lift the hive off from the bottom board and clean the pieces of comb off. Is this the proper way to do it?

A. BRIDGE.

We would prefer shaving off between two rows of combs, waiting a few days then shaving another row, and so continuing. If the weather is very warm it is better to do it in the evening, then all traces of the leaking honey will be cleared away before morning. We find it stimulates to break the caps or shave them off.

#### STATISTICS OF BEES IN QUEBEC.

GEO. H. JONES.—Please tell us where we can get reliable statistics of the bees of Quebec and also of the Dominion, and of their doings for the last ten years. If you can spare space please give them in the JOURNAL.

Bedford, Que., April 1, 1887.

We are not able at the present moment to furnish you with the information you require, but fancy it could be had by applying to Commissioner of Agriculture for your province, and such a report as he could give you, would, at its best, be but very unsatisfactory, as they have not, we imagine, given the matter much attention.

#### THE NEFF CLAMP.

J. NEFF, JR.—My bees are at present in fine condition and doing well. We have about sixty colonies now in winter quarters; fifty of these are packed in clamps, which I will endeavor to describe. The remaining ones were left outside for experimenting, the success and plans of which I will give later on when the warm weather of the coming spring shall give place for examination. As for my discussion on the point of clamp wintering it might be simply used for one wishing to construct a bee-house something on the order of a clamp for the reason that it is cheap, economising all the room possible, in all as sure and safe a method of wintering on

the absorbent plan. I will give a short description of the same, although there may be still room for improvement. One thing for a fact in regard to clamp wintering is, that in order to become successful, you must adopt one of the cheapest and safest methods with the least loss. By careful consideration you may accomplish more by saving than by labor alone. In the first place the dimensions are, length, twenty-one feet, width, four feet, height, eight feet to the roof, and holds fifty hives; the floor and walls must be tight enough to exclude mice or rats. The studs are placed two feet from each other in order to receive one tier of hives between each stud. Next a spout four inches high and sixteen inches deep is arranged to correspond with the entrances of each row of hives, each hive having its own separate entrance. There are five rows of hives, ten in each row, one above the other, facing the south, and a loose weather board for each row makes a convenient trap-door which may be opened or closed at will; it also answers a valuable purpose in the way of a dead air space, which not only gives place for the heaps of dead bees which otherwise would remain on the bottom board, and the odor arising from them is more or less injurious to the bees, but helps to keep the air in the hives at an even temperature. The hives in packing are placed opposite the spout and shoved up to prevent chaff from filling the entrance, with four inches of fine clover chaff on top. I always remove wax cloth and replace it with a new one. The roof is left off and the second hive placed on top, each hive is treated in the same way, beginning at one end and packing from the inside. When this is done and every colony packed warm and dry, there is little fear of mouldy combs or damp hives. When kept dry and the moisture allowed to escape, with free access to pure air, you may by all probability, and under most circumstances, winter successfully, or without more than two or three per cent loss, after the above plan. Arkona, March 21st, 1887.

We think your plan of packing will be successful. Any system of clamp packing that gives sufficient air, retains the heat, and allows the moisture to escape, keeping the hive warm and dry, should be successful. We have tried a number of different styles of clamps and this year we have a number packed in what we term the Bray clamp or system. Let us hear from you in spring as to the result. We will also report.

#### BINDERS FOR BEE JOURNAL.

These hold just 52 numbers and cost, by mail, 55 cents. Any one sending their name with \$5 will be entitled to one free.

# THE CANADIAN BEE JOURNAL

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

PUBLISHERS,

D. A. JONES,  
Editor  
and President.

F. H. MACPHERSON,  
Asst. Editor  
and Business Manager.

WEEKLY, \$1.00 per Year, Postpaid.

BEETON, ONTARIO, APRIL 13, 1887.

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 ( $3\frac{1}{2} \times 4\frac{1}{2}$  or  $4\frac{1}{2} \times 4\frac{1}{2}$ ) in Linden (formerly Basswood) in lots of 5,000 at \$4.50; 10,000, \$4.25. Price per 1,000, \$5.

Spring weather has come to us at last and soon the work of carrying out the colonies will commence. Remember what our friend Pringle said in a late issue about not being in too big a hurry in this particular.

Any discrepancies in this issue our readers will please excuse. The Assistant Editor, upon whom devolves the greater part of the preparation of the matter for each number of the JOURNAL, has been quite ill for the past week.

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

Here we wish to say that it was our intention to have given the gentlemen who were the delegates to the Colonial the first places in our Portrait Gallery, but owing to a misfortune which happened to the cabinet of Mr. Corneil, (being broken) we are unable to carry out our proposed arrangements.

## HONEY MARKETS.

BEETON.

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.

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 8 $\frac{1}{2}$ c.; buckwheat, 2 lb. sections, 7 and 7 $\frac{1}{2}$ c.; California extracted, 5 and 5 $\frac{1}{2}$ c.; buckwheat, 4 and 4 $\frac{1}{2}$ c.

McCAUL & HILDRETH BROS.

## PRICES CURRENT

BEESWAX

Beeton, April 13, 1887.

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	50c
" " over 50 lbs.	47c
" " cut to other sizes " " "	51c
" " over 50 lbs.	48c
Section " in sheets per pound	55c
Section Foundation cut to fit $3\frac{1}{2} \times 4\frac{1}{2}$ and $4\frac{1}{2} \times 4\frac{1}{2}$	per lb. 60c
Brood Foundation, starters, being wide enough for Frames but only, three to ten inches deep	43c

CANADIAN BEE-JOURNAL.

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AMERICAN AGRICULTURIST.

With a good deal of other valuable matter,

**ALL FOR \$2.00.**

See advertisement on page 44.

**EXCHANGE AND MART.**

**30 COLONIES** Bees for sale \$5.00 per Colony.  
**JOSEPH HARRISON**, Port Elgin.

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

**50 COLONIES** of Hybrid Italian Bees in Jones Hives on 5, 6 and 7 frames. Will be sold cheap for cash. **S. DIBB**, Duntroon, 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.

**FOUNDATION MILL FOR SALE.**

One Ten Inch Root, brand new. On board cars here, everything complete, \$21.00. Samples of its work on application.  
**F. W. JONES**, Bedford, Que.  
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**1879 ITALIAN QUEENS 1887**

Italian bees and queens in their purity, for beauty and working qualities, are equal to any in the United States or Canada.

Comb Foundation, 40 to 40 cents per lb. Untested Queens \$1 each or six for \$5. Tested Queens \$2.50 each and bees by pound same price as untested queens. Frames of brood same price

Our Queens are reared from the egg in full colonies. We use imported and choice homebred Queens to breed from. We are within half a mile of two railways—one direct line to Cairo, Ills. Four daily mails, we can fill all orders next day after they arrive, or by return mail.

**Dispatch and Safe Delivery Guaranteed.**  
 For further information write

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 ELLISON'S SPECIAL PRICE LIST OF  
**ITALIAN QUEENS AND BEES.**

UNTESTED ITALIAN QUEENS,		WARRANTED FERTILE.		
	APRIL.	MAY.	JUNE.	each.
Single Queen	\$1.25	\$1.00	\$1.00	each.
6 to 12 Queens	1.00	.90	.75	"
1 TESTED Queen	2.50	2.00	2.00	"
6 to 12 Queens	2.00	1.75	1.00	"
1 Two Frame Nuclei Untested Queen,	\$2.50.			"

Special discount to dealers, and to cents 8 oz. postage to Canada.

**W. J. ELLISON,**  
 St. Petersburg, Sumter Co., S.C.

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Has written, published, and now offers for sale, a little book entitled

**"THE PRODUCTION OF COMB HONEY."**

Its character is fairly indicated by the following list of contents:—Introduction, securing workers for the Harvest, Supers, Separators, Sections, Tying Up, Hiving Swarms on Empty Combs, Hiving Swarms on Foundation, Hiving Swarms on Empty Frames, The Building of Drone Comb, Using Foundations in the Supers, The Sections and Utilization of Wax, Conclusion. Price of Book Post-paid, 25 cents. 2 tf

**\* COMB FOUNDATION. \***

Headquarters in Canada.

1884	Toronto Fair, Brood	1st	Section	2nd
1884	London	"	"	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 1/2. 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. Davids, Ont.

51-tf.

# 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. GOOLD & CO.,  
Brantford, Canada.

52

## 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.

52 4t

## 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



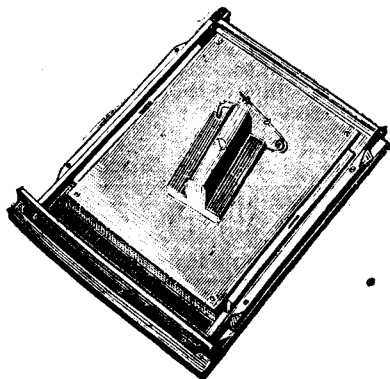
Circular free, giving full particulars regarding the Bees, and each class of Queens. Address,

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

52-6m

### 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.

32-5m

### 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

## 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 74 colonies last season. Eggs 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

## 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

## 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.



# Italian Queens.

O-O  
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 1000 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 on 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,  
D Apiarist 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, Italians, Hybrids, and B. Acks. Prices from \$4 up to \$6. Send for price list.

W. E. CLARK,  
Oriskany, Quebec Co., N.Y. Successor to L. C. Keot  
98-1011-

# 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,  
47-59 Guelph Ont.

# North Carolina Tar Heel Apiaries.

1884 5 1887  
ABBOTT L. SWINSON, 71-69  
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	1 00
Untested laying, 1/2 doz.	8 00	6 00	5 00	5 00	5 00
Tested Queens, each...	3 50	2 50	2 25	2 00	2 00
Tested Queens, 1/2 doz.	15 00	13 50	12 50	11 00	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 BEE\$ AND QUEEN\$ 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,  
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 Beeton and be filled from here. He will have on hand a supply of hives, sections, foundations, knives, tins, etc.

THE D. A. JONES CO., Beeton.

**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.,**  
LEETON, 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 60  
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 50
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 satisfaction guaranteed. Send for circular.

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

ESTABLISHED 1855.

## BEEWAX HEADQUARTERS,

We have constantly on hand a large stock of Domestic and Imported Beeswax 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,

E. 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 card.

J. B. MASON & SONS,

Mechanics' Falls, Me.

## 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.)

48-51

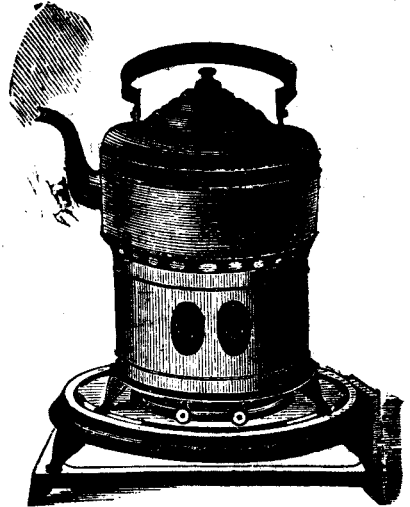
### Coal Oil Stoves.

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.

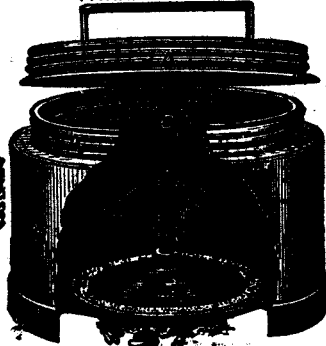
The prices of one like the above illustration, either galvanized or black iron drum, will be \$4.00.

**RAYS 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.



10 lb. \$5.50.

## 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, 50c.; 6 lb. 60c.; 10 lb. 70c.

For one dozen PERFECTION FEEDERS F.O.B., 4 lb. \$3.50, 6 lb. \$4.50. Address, M. E. HASTING, New York Mills, Oneida 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 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.,

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.

# 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.
- F. L. DOUGHERTY, Indianapolis, Ind.
- CHAS. H. GREEN, Berlin, Wis.
- CHAS. HERTSEL, Jr., Freeburg, Ill.
- E. L. ARMSTRONG, Jerseyville, Ill.
- ARTHUR TODD, 290 Germantown Ave., Philadelphia
- G. W. LEWIS & CO., Watertown, Wis.
- E. KRETCHMER, Coburg, Iowa.
- E. F. Smith, Smyrna, N.Y.
- EZRA BAER, Dixon, Lee Co., Ill.
- J. B. MASON & SONS, Mechanic Falls, Me.
- W. J. DICKSON, Hiawatha, Kans.
- ED. R. NEWCOMB, Pleasant Valley, N.Y.
- J. W. PORTER, Charlottesville, Va.
- ASPINWALL & TREADWELL, Barrytown, N.Y.
- ARTON FERGARD & BARNES, Waco, Tex.
- W. E. CLARK, Oriskany, N.Y.
- PAUL L. VIALON, 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 such 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.....	3 00
One Pound.....	5 00

One ounce contains from 150 to 1800 seeds. One pound of seed is sufficient for half acre if properly thinned out and sown. Write all orders plainly and give your Post Office in full

E. 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 CHAM** hive, with movable upper story, continues to receive the highest recommendations as regards its superior advantages for wintering and handling bees at all seasons. Also manufacturer of **"FALCON" BRAND FOUNDATION**. Dealer in a full line of **Bee-Keepers' Supplies.**

Send for Illustrated Catalogue for 1887. Free.

W. T. FALCONER.

## BEE-KEEPER'S GUIDE,

OR

### MANUAL OF THE APIARY

15,000 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 Lansing, Mich

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..50. by mail, 6c.

" " .100.25 by mail, 27

" " 1000.1 50 by mail, 1 60



**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

SAMUEL ROGERS & CO.

THIS SIDE UP  
WITH CARE