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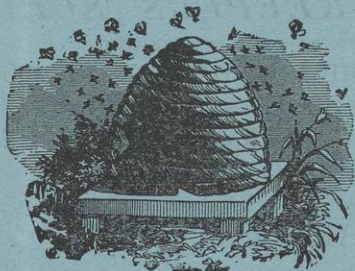
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JUNE, 1888.

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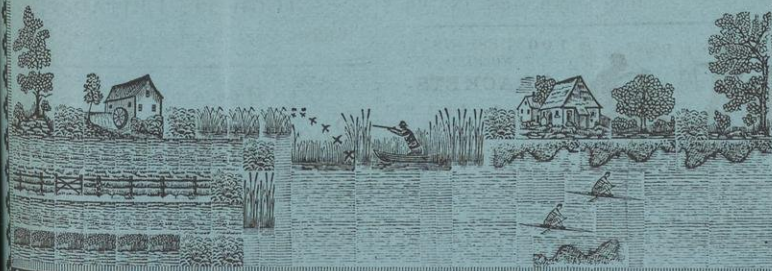
BEEHIVE



PUBLISHED MONTHLY.

— EDITED BY —

E. H. COOK,
ANDOVER, CONN.



Entered at the Andover, Conn. Post Office as second class matter.

THE BEE-HIVE.

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THE BEE-HIVE.

PUBLISHED FOR AND IN THE INTEREST OF BEE-KEEPERS, BY ONE OF THEM.

VOL. 3.

ANDOVER, CONN., JUNE, 1888.

NO. 3

Written for the Bee-Hive.

A BEE'S SOLILOQUY.

BY JOHN JAMIESON.

Bee-hives present a busy scene,
At least, the workers and the queen;
The drones can't gather, only eat,
And yet without them incomplete.

We have good order, nothing's lost,
Each busy bee is at her post;
Unless wild anarchists prevail,
And right and left our home assail.

"No room for Idlers," in large print,
Is placed where all may take the hint;
We mean to work while it is day,
For night will soon be here to stay.

The good old Book, with truths replete,
Says, "If we work not, should not eat;"
That motto's good enough for Bees,
If lazy, stray away---just please.

In winter we don't mean to beg,
As long's we have a wing or leg,
Improve the moments as they fly,
For gloomy days come by and by.

For Ladies, pleasant work and light,
They're quick to learn to manage right;
Some of the wisest I might name,
Can put the best beemen to shame.

All Ladies ought to have some hobby,
To help themselves and feel quite nobby;
Canaries, silkworms, chickens, Bees,
And spend their money as they please.

Now Jerry, just keep out your nose,
This money goes for baby's clothes,
And literature, about the Bees,
There's nothing can me so well please.

Let men forsake intoxicants,
And let the Bees supply their wants;
They would be better ev'ry way,
And usher in a glorious day.

Good Honey is both drink and food,
And as a medicine few as good—

Good for the sick, good for the well,
Its virtues pen nor tongue can tell.

Let none engaged in keeping Bees,
Use beer and whisky as they please;
But all beware the deadly draugh,
And temprance to descendantants warr.

This is quite a long digression,
Now for something worth possession;
Again I'll sing of beemen's charms,
Of Honey, Bees, and rousing swarms.

Just now, while sitting here, I see,
A big one on a maple tree,
Get hiving-basket, look alive,
And put them in a nice new hive.

And there's another! see the cloud!
O! what a noise, long and loud,
They've clustered in an apple-tree,
Be lively boys, don't lose a Bee.

Another! and another still!
The beemen skip the hives to fill,
They've settled here, and settled there;
You'll save them all with extra care.

'Tis fun to run around and watch,
And better yet when them you catch,
And when they've settled down and still,
They'll soon commence their cells to fill.

There's one away up very high,
That old, or fat men, can't get nigh;
Get some young, lively, venturesome chap,
To bring them down without mishap.

Lo! here he comes with rope and saw,
And boots all spiked, without a flaw;
He cuts the limb, secures the Bees,
And lets them down with perfect ease.

With all their care we often skip,
And then the beeman hangs his lip;
Away we whirl high in the sky,
And bid them permanent good-by.

This rhyming is a perfect pest,
By night, by day, I have no rest.
Good-by just now, I'll stop my lay,
And tap the strings some other day.

West Toledo, Ohio.

(Continued next month.)

Beginner's Corner.

When working about hives, handling frames, removing crates, etc., don't go at it as though you were a steam-engine running a thrashing-machine; but work quietly, avoiding as much as possible, sudden jars and thumps. When removing frames that are held fast with propolis, first loosen one end and then the other, but do not attempt to pull out the frame—not unless you have the rheumatism (?) and are looking for a cure.

If you have colonies that are strong enough to cover all the frames in an L. body, and the combs along the top-bars begin to look white, remove three or four of the outside frames that have no brood in them, and in their place substitute division-boards, one on each side of the hive. Then get your crate, which of course you have filled with boxes containing fdn. all ready for use, and place on the hive.

By using open-top sections and covering them with a piece of enameled cloth, or even a piece of cotton will do, you can at any time ascertain how work is progressing in the center of the case, by simply pulling back this covering. It will also be an advantage when removing the sections, especially so if no separators are used.

When the bees are gathering honey abundantly, laying queens can be introduced very easily; but when no honey is coming in, look out for trouble. And this reminds us that hybrids always seem a little more inclined to

reject new queens than do Italians.

When one-half or a little more of the sections are filled and nicely capped they should be removed, else the bees will discolor them and thereby injure their market value.

The season has been so sold and backward that every care and help we can give our bees must be resorted, if we would be rewarded with a fair crop of surplus honey.

WORKER BEE.

Cappings From Our Extractor.

Bees Frozen to Death.

E. F. Eaton, of Labette City, Kan., writes on May 13th: My bees are doing very well. I lost three swarms last winter. Most of the bees that stood out of doors froze to death. It has been very cold here this spring.

Likes the Bee-Hive.

A. B. Howe, Council Bluffs, Iowa, says: I received sample copy of the BEE-HIVE a day or so ago, and have examined it closely. I like it very much; think it is well worth the money asked. I got my money's worth in the March number. Bees in this vicinity wintered very well.

A Hard Place to get Subscribers.

J. T. Timpe, Grand Ledge, Mich., pointedly observes: I have tried in vain to get subscribers for the BEE-HIVE; but there is only two bee-keepers around here that keep many bees, and the rest have not enterprise enough in them to take a bee-paper of any kind, no matter how cheap. I for one, want the BEE-HIVE as long as it is published, or I keep bees. Am only a beginner; have four colonies.

Contains Old and New.

The BEE-HIVE is worth a deal to me. I find in it old and new things. The box of seeds came in good shape, for which have my thanks.

N. W. AFFLERBAUGH, Hall Co., Neb.

Bad Weather for Bees.

On May 21st friend Larrabee says: This is very bad weather for bees, cold and rainy for a week backward, while thus the fruit bloom has been delayed a week.

A Word of Warning.**Do not Ship Diseased Bees.**

FRIEND COOK:—Your BEE-HIVE is so cute and easy manipulated I can not resist renewal of it. 56 colonies all right yet. Brethren who are selling bees and queens this season, do not send out any queen whose progeny has the shaking disease; you not only injure yourself but bee-keepers at large.

In 1886 I bought 2 colonies; 1 had the shaking disease and died. In '87 I bought 5 more from the same man. Received 4 colonies, 2 of them had the shakes; saved 1 of the two by superceding the queen, lost the other.

JAS. P. REYNOLDS.

Hydetown, Pa. East Troy Apiary.

[It seems to me friend R, that I should have ordered bees of some other man after that first colony died. Perhaps however, you did not at the time of the second order know that disease killed them. If that man knew his bees had the disease at the time he sold them, he ought to have been exposed in every bee-journal. There ought and should be a law in every state, making it a heavy fine to ship diseased bees. But few bee-keepers would be guilty of such a crime, and these should be prevented from injuring the honest ones.]

Saved His \$2 Queen.

THE 30 cts. I invested in the BEE-HIVE has just saved me a fine Italian queen worth \$2. Received the last number of the BEE-HIVE on the 4th. About the first article I saw was that of Dr. C. C. Miller, on page 25th. Now I had a colony that was placed on the summer stand the 29th of April, and on the 3d of May they had no eggs or larvæ, so I had decided to unite them with another colony, and was proceeding to do so on the 5th, but upon reaching the hive I thought of Dr. Miller's article and accordingly opened the hive, and to my surprise and joy upon the first frame I removed I discovered a fine Italian queen, and the comb was full of eggs. So much for 30 ct.'s worth of BEE-HIVE.

My bees are in fine condition and are working nicely upon willow and soft maple. White clover is looking fine here. Think '88 will be a good honey season. There is a loss of over ten per cent. in wintering bees in this county, and where they were not taken care of over one-half are dead.

LESLIE STEWART.

Jefferson, N. Y., May 7th.

Introducing Virgin Queens.


Mr. G. M. Doolittle says in Gleanings: I find that any colony that has been queenless long enough to have queen-cells sealed and one which does not desire to swarm, will accept of a virgin queen every time; but if given before the cells are sealed, she will be destroyed in nineteen cases out of twenty, unless some precaution is taken more than to let her run in at the entrance or at the top of the hive.

To keep bees successfully, brain and muscle are essential requisites.

Written for the Bee-Hive.

Bee-Hunting.

CHAPTER 6.

 S soon as the bees are working steadily we should move along the line. Good judgement must be used in determining the distance to move. If we have plenty of bees at work and are in an open country, it is advisable to move from one hundred rods to a half-mile. But if few bees are at work, or we are obliged to pass through thick timber, I would not move more than twenty or thirty rods, the first time. My success at this second stand determines how far down the line to place the third stand. Now the question arises; shall we carry bees or depend on scent to call the bees down?

When I have only one colony at work—that is when all the bees that leave the comb fly in one direction—I almost invariably carry bees. But when I have bees at work that fly in a different direction from the line I intend to follow, I usually depend on scent; especially when there is danger of the other bees working the stronger. Move as directly on the line as possible, and if you have carried no bees place the box in a convenient place for lining, and stick out a scented feather. If we are directly under the line of flight, in a few minutes we will have bees at work. But we may sometimes make a mistake and get off to one side of the line, and consequently get no bees. In such a case I usually place a comb and scented feather eight or ten rods off to the right of the box, and one the same distance to the left.

As soon as the bees commence working on one of the combs, I bring all the combs and box to this place.

I do not include the comb I usually leave on the first stand.

Let the bees get well at work on this second stand and carefully line them. It might be well to time one also, but mark this one different than you did any other bee you may have marked.

In the next chapter I will give my ideas upon carrying bees and how to manipulate the box.


WILLIAM E. GOULD.

Fremont, Mich.

[Continued next month.]

Sweets From Every Field.

Gathered for BEE-HIVE by one of the Workers.

 VERY indication points to a propitious season for the honey-bee. Our bees are at this date carrying in great loads of pollen from the dandelion. Fruit is just opening and raspberry, locust, etc., will fast follow on, giving the bees such stimulus as no artificial means can, so that by the time this reaches its readers all stocks should be—or shall I say *will be*—boiling over with young bees ready to bounce into the supers at the opening of the harvest.

*

The beginner is often told to examine bees only when the weather is *warm enough*. At best this is very indefinite. To what extent is meant by “*examine*?” *vid.* query 19, last BEE-HIVE.

*

The bee and honey show at the Ohio Centennial, promises well. When once it becomes the *FASHION*, all our

fairs will find room and money for the exhibition of honey, if bee-keepers do their share. We believe this to be one of the best ways to advertise our industry.

*

The experiments of Mr. Demaree in wintering bees are quite valuable. By heating the repository to summer temperature about once a week, all moisture will be expelled. There is philosophy in it.

*

Rev. L. L. Langstroth's puff of the "New Heddon Hive", coming, very unfortunately, before the public at about the same time as the notice of his friends who are endeavoring to aid him financially, will, we are afraid, hardly help the good Dr. Miller in his worthy attempt.

*

Mr. Frank Benton, in the B. B. J. for Apr. 12th says, in speaking of the merits of the Carniolans: "Among European races of bees, Carniolans, according to my experience, are, in all points of importance, decidedly superior."

*

The conclusion reached by Mr. Bingham, the manuf'r of the Bingham smokers, as shown by the sales of smokers is, that experienced apiarists use the larger sizes, and he infers that they therefore use much smoke. We use a three inch Bingham, but principally because it holds more fuel and is not liable to go out; not that we desire clouds of smoke.

*

The editor of the B. K.'s Guide in the May issue says, "Boom system and order in bee-keeping." Above all things do whatever needs doing with the bees at the time when it should be done, whether it be providing with honey or feed in spring, taking off or putting on supers, providing hives for swarms, or preparing and packing for winter.

"So sure as you go about in a nervous, half-frightened, twitchy manner, just so sure will you be stung by the first bee you run against. * * *. Just try to become sting-proof so far as your hands go, but always have your veil so fixed that you have behind it a feeling of security, no matter if a hundred angry bees are buzzing around your face."—C. B. J.

*

We expect many interesting experiments upon the artificial fecundation of queen bees will be conducted this season. Some method ought surely to be evolved. Then the *great* obstacle to the improvement of our races of bees will have been overcome.


*

We have received the price-list and bee-book of Mr. Chas. H. Smith, Pittsfield; Mass.; also the pamphlet, "G. M. Doolittle's Method of Rearing Queens." The latter is typographically *elegant*, and reflects great credit on friend Cook's printing establishment. The *method*, by that well-known writer, Mr. Doolittle, shows care in its preparation and outlines his manner of proceeding to the rearing of the hundreds of queens which he ships yearly. We have one of Mr. D.'s queens, one year old, at the head of a strong colony of the handsomest bees we ever saw.

APIS AMERICANA.

Written for the Bee-Hive.

Some of the Work for this Month.

 HOSE who gave to their bees the proper attention last month, will now have their hands full in caring for new swarms, and in securing the honey crop. You have, perhaps, already given the boxes to your largest stocks, and if so, you should see to it that they are not loafing in them, but are building comb and storing honey. Should you find

a strong swarm that does not appear to take to section storing readily, you must compel them to get to work right away, as it will not do to give twenty-five thousand bees a vacation just at present.

In forcing a swarm into the super, you are to first contract the brood-chamber. If you are using ten brood-frames and your swarm is only large enough to nicely cover this number, then you must know at once, that here are not enough to occupy the whole brood-chamber, and at the same time go above and cluster, as in comb-building. But if you take away three or four of the outside combs, and fill in the space with a dummy or two division-boards, one at either side, you then have your bees crowded, and this is just what is wanted.

You are now to add a small super of sections. I care not how large your swarm is, you are to add but a limited number of boxes at the start. I believe that many a fair honey crop is entirely lost through ignorance regarding the space actually required by a swarm for their surplus honey. You can put on 28 or 30 one-pound boxes at first, and your super should be of the proper size to hold this quantity. Then when the bees have filled this super half or two-thirds full, and honey is still coming in, lift it up and slip an empty super of sections between it and the brood-chamber.

You can continue in this manner so long as the honey-flow lasts, and it may be you will secure from one hundred to one hundred and fifty pounds surplus; whereas had you at first placed one hundred and fifty boxes over your swarm (which, of course, was smaller then than now) in all probability you could not have induced the bees to work in them at all.

We see the beneficial results of this small storing space very plainly in a poor or even a fair season, by visiting some of our neighboring box-hive men. If you have added large quan-

ties of boxes early, and failed in securing any surplus at all, even from large stocks, you may have the pleasure (?) of seeing a ten or twelve pound box nicely filled, and over an old box-hive at that.

Such a state of affairs is apt to dampen the ardor of the novice, and more so, as he may be unable to solve the mystery. To add to his discomfort, the old time "beeman" will smile and say: "New-fangled hives, my boy, are the trouble"; but don't believe it.

My pet idea regarding a first-class super is this: a small super, and one that can be tiered up any number high; and one that will fit the hive and each other perfectly; and to contain *no glass*.

Do not Mutilate Your Trees.

How many of the beginners are sawing off branches to valuable fruit-trees in order to get the new swarms that may cluster thereon? If any have been guilty of this they must stop, for, my friend, it is more than useless. I have seen a large branch cut away for this purpose, when, had I owned the tree, I would rather have lost the swarm than to have lost the beauty of the tree.

The practical course to pursue in caring for the swarms is this: Have your empty hives all nicely leveled up, and in line just where you want them to stand during the season; and these hives should contain the full set of brood-frames, with starters or full sheets of fdn.—I prefer the latter. When the swarm has left the parent hive, and clustered, you are to hold beneath them, and as near as possible, a common basket that will hold a half-bushel. Now give the branch a sudden jar and shake, and the cluster is in your basket. If any bees are inclined to leave the basket for the branch, you must keep jarring the branch and before long all will be quiet, where you want them.

I sometimes tie a common hand towel over a portion of the opening to the basket, as this gives the bees a little chance to cluster there, and at the same time will keep more of the bees from flying out. If your swarm is up very high, you will need to tie your basket to a pole in order to reach them. You can carry the bees in this way to the hive prepared for them, and scarcely a bee will leave. Open your hive and carefully shake a pint or so of bees directly on the frames, covering them quickly with a mat or other light covering. Now shake the balance of the swarm in front of the hive, and those in the hive will be humming, and this will attract those outside so that they will rush in pell-mell.

I can hive a swarm in this way in about ten minutes, and I have never lost a swarm yet.

In shaking the bees in front of the hive, you must always see to it that there is a broad board from the entrance to the ground.

If your swarm is large wait about ten days, when you can open the hive, contract the brood-chamber, and add a super.

C. H. SMITH.

Pittsfield, Mass.



Written for the Bee-Hive.

Bees and Music.

BY MISS IDA L. SMITH.

EDITOR of the BEE-HIVE:—Whereas my bees have come through the winter in a most splendid condition, which I think is owing to the perfect manner in which they were wintered, and I am looking for-

ward with the hope of a far better crop of honey than last year.

As to the necessity of combining other occupations with that of bee-keeping, the almost entire failure of last year's honey-crop places the fact in such a shape that it needs no arguing. Of the various subjects that have from time to time been brought before the apiarist as a combination with bee-keeping, for those that have a taste for it, I think that of music and bee-keeping possess the greatest advantages. There need be no interference with the work in the apiary and that of self-cultivation and giving lessons.

As the question before us is the combination of other pursuits with that of apiculture, I shall not now enter into the question of the adaptability of bee-keeping to women. Every bee-keeper should have some other occupation in connection with apiculture. That business depends upon many circumstances surrounding the apiarists besides their tastes. Some have tastes for one kind of labor and another for another kind. In these days of sharp competition a person must have a taste for, and by cultivation and practice arrive to as near perfection as possible, and then the reward for labor will come.

Teaching music and bee-keeping go nicely together. There is this that seems certain, that a person having the taste for either, has the quality to make either a success. There is a large part of the year that the bees require but little attention, at which time music and giving lessons can occupy all the time; when the time

comes that the bees require more attention, there is still ample time for the music. It is true that an occasional sting will for a day or so prevent practicing, but never giving lessons. In that time of the year when the bees require the closest attention, through the influence of the heat scholars often lose their interest and can profitably cease taking lessons until the cooler weather makes its appearance.

Music can be pushed aside quite a little without any loss, and only the morning and evening devoted to it. After one has spent some time at music, it is wonderfully exhilarating to get out into the fresh air and enjoy seeing the bees work, with that energy they only possess, and for the person that has the least taste for the combination, there is something wonderfully captivating about it. However well we may love the beautiful melodies of Bach, or the delightful strains of Beethoven, or the rapturous airs of De Bariot, or any of the great masters in music, we can find their counterpart in the buzz of the drone, the high-pitched tone of the angry bee, the notes of the robber, and our hearts are sure to be made glad when we hear the hum of the busy worker when honey is coming in fast; and we look forward with "Hope" to the time when our pocket-books will be replenished. The music of the bee is decidedly "*Musical*" and "*Sweet*."

Darlington, Wis.

Written for the Bee-Hive.

A Good Suggestion.

WHY should bees have artificial pollen? Is not that provided by the all wise Creator good enough? Or is pollen scarce in some localities? Our bees gather it from early spring till late in autumn. They seem to always have much more than they need. I do not like to extract when the combs are two-thirds

full of bee-bread, as my grandfather called pollen.

I would just like to call the attention of the sister bee-keepers; let us write for the BEE-HIVE, and let Bro. Cook glean such letters as he thinks most valuable. I am perfectly willing for my little contributions to go in the waste-basket if there are more valuable letters than mine. I do love to hear from the ladies. I am afraid the editor will get tired of waiting for us to write, so let us tell how we like bee-keeping, and what honey is good for. I have made very nice tomato preserves with honey, but have not had very nice cakes when using honey in place of sugar. I think the honey makes them dark.

We had some vinegar one year made out of the washings of cappings, when extracting honey. It was much nicer than cider vinegar, and was clear as water.

Fruit is blooming now, the bees
Improve each shining hour;
Are sipping honey with great ease
From every opening flower.

MRS. ALMIRA HAYEN.

Pleasant Mound, Ills.

Written for the Bee-Hive.

Mats to Cover Frames.

EDITOR of BEE-HIVE:—In the Oct. number, 1887, of BEE-HIVE, it is stated by M. W. Shepherd, "To dip common cotton cloth into linseed oil, wring out and let dry."

To make a *perfect* mat, rubber should be cut into small pieces and put into the oil, and it boiled until the rubber is dissolved. Old rubber shoes are just the thing, but they must be rubber. Then dip just before it cools, let dry and cut, and they are simply perfection.

MISS IDA L. SMITH.

Darlington, Wis.

☞ The BEE-HIVE free one year to any lady who sends us a practical article on bee-keeping for this department. It is worth trying for.

By request.

Columbus, Ohio.

The Bee and Honey Show at the Centennial.

BY DR. A. B. MASON.

THE following is the premium list for bees, honey, apiarian supplies, etc., for the Ohio Centennial Exhibition to be held at Columbus, O., from Sept. 4th to Oct. 19th, 1888.

No entry fee will be required, and no charge made for space in this class, and all intending exhibitors in this class will be furnished with entry blanks, rules, regulations, etc., free on application to me. Others desiring premium lists, etc., should apply to L. N. Bonham, Secretary, Columbus, O. Exhibitors can begin arranging their exhibits on Aug. 21st. Exhibitors' admission tickets, good during the Exhibition, \$5.00. Competition and exhibition in this class is confined to Ohio.

A building is to be erected for this Department, and it is *very* desirable to know *at once* how many will want space, and how much they will want for honey, and how much for other exhibits, so as to have the building of suitable dimensions; and I hope such as intend to make an exhibit will let me know immediately, what space they will need. Sometime since I made such a request in Gleanings, and only two responded. At that rate no building will be needed, for a corner in some other building would do, and Ohio bee-keepers would have occasion to be ashamed of their lack of interest in this display of the State's material progress in this direction during a hundred years.

It is expected that the annual meeting of the North American Bee-Keepers' Society will be held in Columbus during the Exposition, and Ohio bee-keepers *ought*, and I trust *will*, have pride enough in the good name of their State, and in this industry, to make

the grandest display ever made on this continent.

As shown below, there is a first, second, and third premium offered on most of the exhibits, or articles, and the total amount offered is over \$400, being the largest amount ever offered by any State.

Such exhibitors as do not desire to remain at the Exposition, can leave their exhibits in my care, and they will be looked after and cared for to the best of my ability, and without charge; and such as do not care to arrange their exhibits themselves (except for display of comb and extracted honey) can send their exhibits to me at Columbus, O., after Aug. 21st, with all charges paid, and I will see that they are properly placed and cared for, without charge, and they can visit the Exposition at such time as will best suit their convenience, and find their exhibits all in place.

I am in hopes that we shall be able to have an apiary established on the grounds, and have public manipulation of the colonies by bee-keepers who may visit the Exposition. As the Exposition is intended to show the *material* advancement of Ohio in a hundred years, it will be "just the thing" to have on exhibition the most antiquated appliances, as well as the most modern, and to show also how bees used to be kept and honey obtained, and I hope those having old things of interest in bee-keeping, whether they live in Ohio or not, will correspond with me, with a view to having such things on exhibition.

The old "log gum," box-hive, and the straw hive, all with bees at work in them, will be among the attractions, "if it takes all summer" to get them. The cow-bells, tin horns, and tin pans that used "to make the bees alight," will recall to some "the days of childhood," and make them young again.

Here is the Premium List in the Apiarian Department:

Bees, Honey, and Apiarian Supplies.

DR. A. B. MASON, AUBURNDALE, OHIO,
SUPERINTENDENT.

All entries close Aug. 6th. Anything competing for a single premium can not be included in a display. Colonies must be exhibited in such a shape as to be readily seen at least on two sides. Such provision will be made for the display of comb-honey (and other articles that might be injured by bees), that it can be exhibited without crates. Everything *must* be in place by the morning of Sept. 4th, 1888.

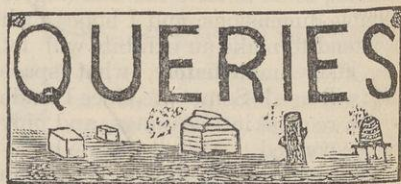
| | |
|--|---------|
| Best display of comb-honey (largest and most attractive)..... | \$25.00 |
| Second best..... | 20.00 |
| Third best..... | 15.00 |
| Best display of extracted honey (largest and most attractive)..... | 25.00 |
| Second best..... | 20.00 |
| Third best..... | 15.00 |
| Best sample of extracted honey, not less than 20 lbs., in best shape for retailing | 5.00 |
| Second best..... | 4.00 |
| Third best..... | 3.00 |
| Best sample of comb-honey, not less than 20 lbs., in best shape for retailing.... | 5.00 |
| Second best..... | 4.00 |
| Third best..... | 3.00 |
| Best colony of bees, numerical strength and purity of race being competing points | 10.00 |
| Second best..... | 8.00 |
| Third best..... | 6.00 |
| Best race of bees, numerical strength and purity of race, competing points..... | 10.00 |
| Second best..... | 8.00 |
| Third best..... | 6.00 |
| Best collection of honey-producing plants.. | 15.00 |
| Second best..... | 10.00 |
| Third best..... | 5.00 |
| Best display of bees-wax..... | 8.00 |
| Second best..... | 6.00 |
| Third best..... | 4.00 |
| Best foundation-mill..... | 6.00 |
| Second best..... | 5.00 |
| Third best..... | 4.00 |
| Best foundation-press..... | 6.00 |
| Second best..... | 5.00 |
| Third best..... | 4.00 |
| Best foundation for a brood-chamber, made on the grounds..... | 4.00 |
| Second best..... | 3.00 |
| Third best..... | 2.00 |
| Best foundation for surplus, made on the grounds..... | 4.00 |
| Second best..... | 3.00 |
| Third best..... | 2.00 |
| Best foundation for surplus, sample of not less than 10 lbs..... | 3.00 |
| Second best..... | 2.00 |
| Third best..... | 1.00 |
| Best foundation for brood-chamber, sample of not less than 15 lbs..... | 3.00 |
| Second best..... | 2.00 |
| Third best..... | 1.00 |
| Best honey-cake, with recipe for making... | 3.00 |
| Second best..... | 2.00 |
| Best honey-cookies, with recipe for making. | 3.00 |
| Second best..... | 2.00 |
| Best honey-jumbles..... | 3.00 |
| Second best..... | 2.00 |
| Best honey-candies..... | 5.00 |

| | |
|--|------|
| Second best..... | 3.00 |
| Best honey-vinegar, not less than 5 gals., displayed in glass..... | 4.00 |
| Second best..... | 3.00 |
| Third best..... | 2.00 |
| Best display of queens, in such shape as to be readily seen..... | 4.00 |
| Second best..... | 3.00 |
| Third best..... | 2.00 |
| Best honey-extractor..... | 5.00 |
| Second best..... | 4.00 |
| Third best..... | 3.00 |
| Best wax-extractor..... | 3.00 |
| Second best..... | 2.00 |
| Third best..... | 1.00 |
| Best bee-hive for all purposes..... | 4.00 |
| Second best..... | 3.00 |
| Third best..... | 2.00 |
| Best bee-hive exhibition..... | 3.00 |
| Second best..... | 2.00 |
| Best bee-smoker..... | 3.00 |
| Second best..... | 2.00 |
| Best arrangement for securing surplus honey..... | 3.00 |
| Second best..... | 2.00 |
| Third best..... | 1.00 |
| Best sections for comb-honey, not less than 50..... | 2.00 |
| Second best..... | 1.00 |
| Best apiarian supplies and fixtures..... | 8.00 |
| Second best..... | 6.00 |
| Third best..... | 5.00 |

DR. A. B. MASON.

Auburndale, Ohio.

[The above should have appeared in the May No., but was crowded over. It would seem that the premiums for best display of queens are less than one would expect, when compared with the others. However, it is a list of which any State might well feel proud, and we doubt not that Ohio bee-keepers will have a display that will do them credit.]



Peeping of Queens.

Query No. 21.—How does the queen make that peeping noise one hears at times? S. Vt.

J. L. HYDE.

Don't know.

DR. C. C. MILLER.

Probably through the spiracles.

J. H. LARRABEE.

With her vocal organs, I believe.

W. M. BARNUM.

By a sort of "rasping motion" of her wings.

S. P. YODER.

I do not know. Hope Prof. Cook will enlighten us.

PROF. A. J. COOK.

Possibly with her wings, probably it is a true voice, made by passing air out the thoracic spiracles.

G. W. DEMAREE.

I am not sure that any body knows. I have looked straight at a queen when she was making the piping noise, and I could discover nothing except that she lowered her head slightly below the level of her body, and in the absence of any motion of the legs or wings I infer that she possesses vocal organs, a voice, and can trumpet like an elephant through his trunk or proboscis. The queen has a proboscis and why may she not howl through it like an elephant? Some insects, such as crickets, grasshoppers, etc., make a rasping noise by playing on their wings and legs; but the sound given out by the queen honey-bee has more of the rasping sound about it—it is a trumpet note pure and simple.

The Best Section Case.

Query No. 22.—What, in your opinion, is the best section case now in market? E., Ohio.

S. P. YODER.

$4\frac{1}{4} \times 4\frac{1}{4}$ —seven to the foot.

J. L. HYDE.

I don't use any section case, but wide frames.

DR. C. C. MILLER.

The T super just now, but I can't say for how long.

PROF. A. J. COOK.

Either the simple T super, or the Armstrong case. The latter is better in that it can be inverted.

W. M. BARNUM.

I use, and prefer, wide frames; but were I under the necessity of chang-

ing, I think I would select *either* the "Heddon" or "Foster" case.

J. H. LARRABEE.

Comparisons are invidious, but I like any case which protects the exterior of the section from propolis and admits of tiering or "storifying."

G. W. DEMAREE.

I am not acquainted with all the section cases that are offered by the trade, and could not answer as to which is the best. But my idea of the best section case is this: The case should be made just the size of the top of the brood-chamber of hive, so that it will tier on the brood-chamber without any outer case or super. It should be made just $\frac{3}{8}$ of an inch deeper than the sections used, and the sections should be supported in a central position in the case—half of the mechanical bee-space at top and bottom of the case—by means of tin T's between the rows of sections and tin supports at the ends of the case. Such a case can be used with or without separators, and is the best "tiering" case ever devised.

Introducing Queens.

The following is J. E. Pond's way of performing this important operation, as given in *Bee-Keepers' Magazine*:

On the afternoon of a fine day when the bees are flying freely, I remove the undesirable queen, at the same time removing every trace of a queen-cell. In the evening of the same day, after the bees have all returned and quietness prevails in the hive, I allow the new queen to run in at the entrance. No further precaution is used save that to allow the hive to be and remain quiet for five or six days after the introduction.

Keep young queens in your colonies and you will have less drone comb.

Written for the Bee-Hive.

Honey.

Honey, honey, how delicious !
It is just what I highly prize,
Notwithstanding I'm suspicious
That honey is what some despise;
This truth I must not now disguise.

What is better than griddle-cakes
With honey at the morning hour ?
That good kind Aunt Synthe makes,
So nicely form'd of buckwheat flour,
Which we so keenly oft devour.

Honey is what some can't admire.
As here and there they constant go,
I hear them oft times enquire
How people can esteem it so,
This they would dearly love to know.

'Tis disgusting, I hear them say,
Such is the language of many,
Fain would they cast it far away,
As though it was not worth a penny;
As not suitable for any.

But say of honey what you will,
I'm disposed to extol its worth;
Therefore I do esteem it still;
Will do so while I live on earth,
I can not tell you half its worth.

But I would have it understood,
By every candid, thinking man,
"To eat much honey 'tis not good";*
I'm sure there is a better plan,
Then eat sparingly as you can.

In looking round hast thou found bees?
Thy labor crown'd with rich success;
Found honey in the hollow-trees ?
Then eat not honey to excess,
Lest it cause you much distress.

Is it true that you've found honey?
I'm sure it will augment your wealth,
'T will be worth to you some money;
Be good is sickness and in health;
Good for your neighbor and yourself.

Andover, Conn.

B. F. C.

*Prov.—25: 16-27.

A Clark smoker by mail and the
BEE-HIVE one year, 90 cts.

THE



PUBLISHED MONTHLY.

E. H. COOK,
EDITOR AND PUBLISHER,
ANDOVER, CONN.

Subscription Price, 30 cents Per Year
in Advance.

Editorial Ink Drops.

Subscribers, Please Notice.

When you find a slip of Red paper in your copy of the BEE-HIVE saying, "Your Subscription Expires With This Number," please consider it an invitation to renew.

A warranted Italian queen and the
BEE-HIVE one year, for only \$1.10.

Melt up all worthless combs and
odd pieces that are lying about before
the moth worms destroy them.

A piece of alum moistened and ap-
plied to the wound, is among the new
remedies for stopping the pain caused
by the honey-bee's sting.

The Toronto Industrial Exhibition
and Ontario Bee-Keepers' Association,
offer a joint prize of \$50 for the best
and most tasty display of honey.

It looks as though nearly every ed-
itor of a bee-paper (we have with-
drawn for fear of becoming rich too
quickly) had in view some plan for
gathering statistics.

Chaff hives have a decided ad-
vantage over singled walled hives
where early breeding is desired—
enough to pay for the extra cost, espe-
cially if the one-story chaff hive is
used with a half-story cover. Try
one next winter and see if your expe-
rience agrees with ours.

Doolittle's pamphlet on "Rearing

Queens" and the BEE-HIVE one year for 45 cts.; or the BEE-HIVE to any one who has bought the pamphlet for 25c.

Every season the new races of bees "come out in bright array," but the Italians continue to be, will be, and are not the "coming bee," for they are already here.

Mr. J. Evans in A. B. J. is very strongly in favor of Alsike for honey. As it makes the best of hay, the honey is so much clear profit, while the seed readily sells at a good price.

Friend Waldo writes that he had a "rousing swarm come out the 25th and has them safely housed." Who in New England can knock the chip off friend W.'s shoulder by reporting an earlier one?

Referring to the case of Mr. Clark, of Arkadelphia, "Amateur Expert" in B. B. J. says, "Here we must 'haul down the flag' to the Yankees. We have 'invented' nothing like that as yet in this fossilized old country."

It appears that the Canadian postal authorities have refused to allow queen bees to pass through the mails between that Dominion and the U. S. The postal authorities of the U. S. are willing to grant such permit. It is curious to see how some people will use authority, even though it be in so small a matter (to them) as closing the mails against queen bees!

We may be antiquated in our ideas regarding separators, but it is a comfort to know we haven't the "whole house" to ourself. Dr. H. Besse in A. B. J., is of the opinion that from 10 to 20 per cent. more honey is gathered without them; that the building of brace-combs is detrimental. The "fat" sections that are unsalable he would use in the family, and retail to neighbors.

Under the caption, "Are bees worth keeping?" in British B. J., we find bee-keepers arranged in five classes. First, the man who keeps bees for pleasure, a hobbyist who spends time and money to discover new ideas. Second, the experimentalist, "who loves his bees as a study." Thirdly, the agriculturists and fruit-growers, who keep bees to fertilize the flowers and fruit-trees, rather than for the honey to be obtained. Fourthly, the great class who add to their income from the sale of honey, and keep bees for the profits to be derived therefrom. Fifthly, we come to the "specialist," who makes the production of honey, or the sale of bees and queens his whole business.

Many of our largest honey producers concur in the opinion that buckwheat is not such a yielder of nectar as many suppose. How often people have said to us, "Bees get a good deal of honey from buckwheat, don't they?" And this seems to be a common belief, especially with farmers. No doubt at times and under certain conditions buckwheat does produce honey quite plentifully. Our belief in buckwheat as a honey producer received a setback shortly after we commenced bee-keeping. One fall we moved a colony to a field just coming into bloom, with the expectation of pounds of honey; but it failed to materialize, and since that time we have eyed it with suspicion.

Bees for Sale.

We offer for sale at Lampasas, Tex., 24 colonies of hybrid bees. They are in 1½ and 2 story Simplicity hives, all in good condition. This is a nice opportunity for bee-keepers in the West to get bees cheap, as they must be sold at once, and some one will get a bargain. Particulars and prices on application.

E. H. Cook, Andover, Conn.

ADVERTISING RATES.

As we are constantly receiving inquiries in regard to our rates for inserting advertisements, we give prices below. ~~25~~ Terms, cash.

PRICES:

| Space. | 1 mo. | 3 mo. | 6 mo. | 12 mo. |
|------------------|--------|--------|--------|--------|
| One inch..... | \$.25 | \$.60 | \$1.00 | \$1.50 |
| Two inches..... | .50 | 1.10 | 1.90 | 2.50 |
| Four inches..... | .90 | 2.05 | 3.60 | 4.50 |
| One column..... | 1.50 | 2.80 | 5.40 | 8.00 |

E. H. COOK, Andover, Conn.

Exchange Notices.

Exchanges will be inserted for Subscribers free. Any thing savoring of an advertisement will find place in the waste-basket.

WANTED.—To exchange a Lamb Knitting Machine, nearly as good as new, for applanian supplies; sections, shipping cases, hives, etc.
A. Jennie Wilson, Macedon, N. Y.

WANTED.—To exchange instructions in electro-silver plating, with and without battery, for instructions in rubber stamp work. Would exchange for other useful articles. Write.
Chas. Everts, Gould, O.

WANTED.—To exchange bees and queens for printing-press and outfit, or offers.
G. D. Black, Brandon, Iowa.

WANTED.—To exchange good strong hives of Italian bees for good chickens, ducks and turkeys, or any thing I can use.
A. B. Howe, Council Bluffs, Iowa.

WANTED.—To exchange a double barrel, muzzle-loading shot-gun in good order, price \$8, for Wyandotte or Patridge Cochins fowls. Write.
Harker Bros., Hornerstown, N. J.

WANTED.—To exchange an 8 frame colony of bees with pure queen in July, in shipping box, for a good violin and bow.
C. E. Andrews Jr., 5 Richardson St., Prov., R. I.

WANTED.—To exchange chaff hives, with standing or Langstroth frames; also one 4-frame honey-extractor (new) for bees-wax, honey, or offers.
Mrs. Oliver Cole, Sherburne, N. Y.

WANTED.—To exchange 1 new Lovell washing machine (cost \$5.00), for dictionary or other books or offers. Wm. H. Bright, Mazeppa, Minn.

WANTED.—To exchange the Bee-Keepers' Advertiser, for your name and P. O. address. State the number of colonies of bees you keep.
Wm. Hoyt, Ripley, Maine.

To exchange.—Eggs from Single Comb White Leghorns for Italian queen or for Light Brahma eggs or offers.
Glenn Clarke, Pipestone, Mich.

To Exchange.—Butcher tools, wagon, buffalo robe, double shot-gun, organia, violin, watch, barber chair, mounted squirrels, blooded poultry and eggs, for bee supplies or any thing useful.
Elias Fox, Hillsborough, Wis.

WANTED.—To exchange 1 pair W. C. D. Polish fowls (Seely strain), perfect birds, for A B C of Bee Culture or good Simp. hives.
E. C. Francis, Madison, Conn.

WANTED.—To exchange eggs from White Turkeys for Pea Fowl eggs. Write, stating number you wish to exchange. E. T. Anthony, Lock Box 104, Normandy, Tenn.

To exchange.—Magic lantern (Anthony's make), 65 views, and bees, for Orchestrone Organ, style 44 E.
L. Heine, Bellmore, N. Y.

WANTED.—To exchange the following for Dr. Miller's "A Year Among the Bees": 1 Vol. of "Family Herald & Star" (52 Nos.); 1 Vol. "Farm & Home"; 1 Vol. "Good Cheer", and 19 Nos. of "Dawn of Day." Burr Farm, Angelica, N. Y.

To exchange.—Eggs from thoroughbred white Leghorns, S. S. Hamburgs and Laced Wyandottes, for Italian queens or eggs from different breeds.
Leslie Stewart, Jefferson, N. Y.

To exchange.—I have a few Robbins Family Washer and Bleachers, Improved, (retail price \$3.50) to exchange for either Italian, Carniolan or Albino queens (tested) with 1 lb. bees. Write what you have quick.
Jacob T. Timpe, Grand Ledge, Mich.

To exchange.—Old bee, poultry, story and scientific papers, magazines, etc. (Some complete Vols. home-bound.) The best kind of reading. We have "packaged" these in lb. lots, and will exchange them for old, second-hand bee-books, supplies, or anything of a similar kind, that is in good order. Write first, stating what you have to exchange.
"Burr Farm," Angelica, N. Y.

WANTED.—To exchange eggs from thoroughbred Pekin ducks for patent hives or a 100 egg incubator. If you have either write.
Otis Callahan, Wellsboro, Penn.

To exchange.—A new violin and bow (cost me \$8.00) for a pair of Pekin ducks, or trio of Wyandottes, or offers.
L. J. Waldo, Merrow, Conn.

Advertisements.

Our Clubbing List.

The following prices are for the paper named and THE BEE-HIVE, both for one year.

| | | |
|-------------------------------|-----|--------|
| Am. Agriculturist..... | m | \$1.25 |
| Bee-Keepers' Advance..... | m | .50 |
| California Cackler..... | m | .90 |
| Canadian Bee Journal..... | w | 1.10 |
| Century Magazine..... | m | 3.75 |
| Farm and Garden..... | m | .45 |
| Gleanings in Bee Culture..... | s-m | 1.15 |
| Household..... | m | 1.00 |
| Southern Cultivator..... | m | 1.15 |
| Western Plowman..... | m | .60 |
| Ohio Poultry Journal..... | m | .85 |

E. H. Cook, Andover, Conn.



FREE to Poultry Raisers.

POULTRY GUIDE.—Book of 32 large ppg.; illustrated; well printed; covers entire subject. SENT FREE to all sending 15c. for 5 months trial trip to our peerless 60c. monthly.

THE RURAL CALL,

Columbus, Ohio.

Italian Queens

Warranted to Give Satisfaction.

Tested, in June, \$1.50; after July 1st, \$1.25.

Untested, in June, 90 c.; after July 1st, 75 cts.

R. W. Turner, Medina, Ohio.

I have Eggs for sale from scoring from 93 to **P. Rocks** at \$2.00 per 13. I am booking orders for fall delivery of my **Imported Strain of White Chinese Geese**, weigh 40 lbs. per pair, money to be paid when Geese are sent, at \$10.00 pr. pair. I will also send sample lb. of the **Empire State Potato** for 36 cents.

A. DINGS,

Scho. Co. Box 40, Hunter's Land, N. Y.

"Gleanings in Bee Culture" and the BEE-HIVE, each one year, \$1.10.

Beautiful Imported Queens,
Bred in Full Colonies.

Reduced Prices for 1888.

Imported Cyprians and Syrians.

| Grades and Prices: | MAY | JUNE | JULY | SEPT. |
|--|--------|--------|--------|--------|
| | | | AUG. | OCT. |
| Finest Selected Breeding Queens (Adle Queens), | \$7.00 | \$6.00 | \$5.50 | \$5.00 |
| Choice Prolific Queens, | 6.00 | 5.00 | 4.50 | 4.00 |
| Smaller and Darker Queens not offered. | | | | |

Imported Palestine Queens 10 per cent. less.

Imported Carniolans and Italians.

Finest Selected Breeding Queens (Abel Queens) each, May, \$5.00; June, \$4.00; July, Aug., \$3.50; Sept., \$3.00; Oct., \$3.50.

Choice Prolific Queens, each, May, \$4.00; June, \$3.50; July, Aug., \$3.00; Sept., \$2.50; Oct., \$3.00.

Cyprians Mated in Carniola, at same rates.

Any Six Queens, 5 per cent. discount; Twelve Queens, 10 per cent.; Twenty-four Queens, 12 per cent.; Forty-eight Queens, 15 per cent.

Queens sent by Mail, Safe Arrival Guaranteed.

Cash Orders Filled in Rotation.

Remittances by international postal-order, bank draft, or by Canadian or U. S. bills in registered letter.

FRANK BENTON,

"The Carniolan Apiary,"

Laibach, Upper Carniola, Austria.

To Customers.

Believing that bee-keepers would much rather pay a fair price for good queens and that such are more economical than ordinary or inferior ones, I have decided to offer only warranted queens this season. The queen I breed from,

LADY OF ITALY,

was imported last year, direct from her native land, to be used as a breeding queen. Bees produced by her daughters have orange-yellow bands; are of good size, handsome, active, and fine honey-gatherers. As a number of her daughters came through the blizzard in good condition, their hardiness is thus assured. No foul brood or other diseases in my yard or vicinity.

Warranted Queens.

These queens I warrant to produce Italian or three-banded bees; but in case any should prove hybrid, I will send another to replace her without charge. By this method you are sure of having pure bees without the expense of buying tested queens. Prices:

| | |
|------------------------|--------|
| 1 warranted queen..... | \$1.00 |
| 6 " queens..... | 5.00 |

Will be ready to fill orders about the 15th.

VIRGIN QUEENS:—As some may wish to buy virgin queens to cross with drones from their owl yards, I will spare a few at 60 cts. each.

Two-Frame Nuclei.

I shall have but a limited number of these to sell at \$2.50 each, and parties wanting such had best write me before ordering.

All bees and queens guaranteed to reach your express or post office in good shape. Introduction of queens not guaranteed; but I will send them in Peet cages with directions, which if followed, almost invariably secure safe introduction.

E. H. COOK, Andover, Conn.

Supplies for Bee-Keepers

I have a limited quantity of supplies on hand that I will sell, prices as follows:

One and one half story hives, nailed and painted, with tin roof, 10 brood-frames, 1 section case, with 28 sections filled with fdn., each, \$2.75.

As above with brood-frames filled with fdn. and wired, all complete for the bees, \$3.75.

1½ story hive in flat (no tin)..... \$1.25

Frames in flat, per 10..... .20

Per 100..... 1.50

Tin, 18x22, for roof to 1½ story hive..... .11

Crate to hold 28 sections, in flat..... .30

Sections, one-piece, 4½x4½x1½, pr. 100..... .60

Per 500..... 2.75

Parker machine, for fastening fdn. in sections..... .30

Wood-zinc honey-board..... .30

Brood fdn., per lb..... .45

Thin, for sections, per lb..... .55

Clark smoker, 55c.; by mail..... .75

E. H. COOK, Andover, Conn.

Hybrid Queens Now!

I have seven hybrid queens—two are Carniolan crossed with Italian drones—that I will send by return mail for 50 cts. each. These are young, raised last fall, good layers, and a bargain for some one.

E. H. Cook, Andover, Conn.

you will send me the full names and addresses
 of those who keep bees in your or neighboring
 towns. Names must be plainly written.

IF
 IF
 you do not feel able to pay a dollar for a bee-
 book, I will mail you one FREE

Headquarters in the West

for the manufacture and sale of

Bee-Keepers' Supplies.

CHAFF AND SIMPLICITY HIVES, SECTIONS,
FDN., SMOKERS, ETC.,

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

Send for Catalogue.

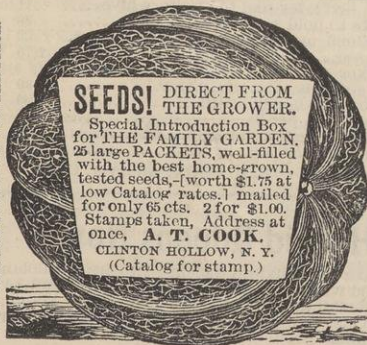
A. F. STAUFFER,
12t
STERLING, ILLS.
Mention the Bee-Hive.

✦ Chas. D. Duvall, ✦

SPENCERVILLE, MONT. CO., MD.,

Will Send Free his catalog of Ital-
ian Bees & Queens.
Standard Poultry: Minorcas, Leghorns, W. C. W.
Polish, Wyandottes, Langshans, and P. Rocks;
New Varieties of Potatoes, of merit; Japanese
Buckwheat.

It will be to your interest to see my prices
before purchasing.



DO NOT DELAY, BUT SEND FOR THE LARGEST AND BEST BOX EVER SOLD FOR THE PRICE.

CLUB-RAISERS, AND AGENTS WANTED AT ALL POST-OFFICES, NOW IS THE TIME. TRY IT.

BLACK'S ITALIANS

| | May. | June. | July. | Aug. |
|---|-----------------------------|--------|--------|--------|
| Warranted Queen. | \$1.25 | \$1.00 | \$.75 | \$.75 |
| Extra Tested Queen. | 3.00 | 2.75 | 2.50 | 2.00 |
| Half-pound Bees. | .60 | .50 | .40 | .30 |
| One-pound Bees. | 1.00 | .85 | .75 | .50 |
| Frame of Brood. | .90 | .80 | .50 | .60 |
| Circular free. Satisfaction guaranteed. | | | | |
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