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## The bee-hive. Vol. 2, No. 1 April, 1887

Andover, CT: E.H. Cook, April, 1887

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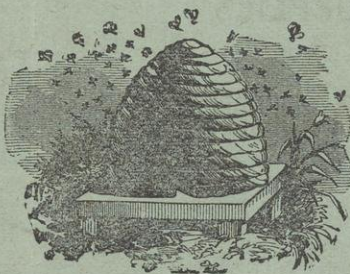
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APRIL, 1887.

T. H. E.

# BEEHIVE

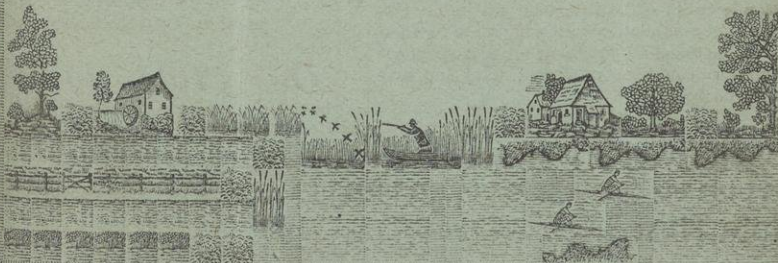


PUBLISHED MONTHLY.

— EDITED BY —

E. H. COOK,

ANDOVER, CONN.



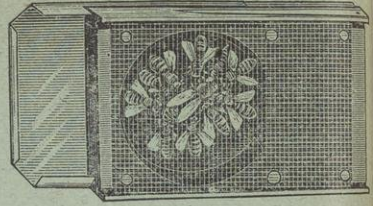
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# THE BEE-HIVE.

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All queens sent by mail shipped in cages like the above with directions for introducing.

## Italian Queens.

I shall make a specialty of rearing first-class queens this season and would respectfully solicit a trial order from those in need of them. Early this spring I expect to receive from Mr. Frank Benton of Schwabing, Germany, one of his

### Best YELLOW Italian Queens,

from which I shall rear a large part of those sent out. Last season I sent out a number very Yellow queens which gave good satisfaction and though no better than the darker ones, made out of every ten customers would write: "Send Yellow queens." I guarantee satisfaction to all who order.

Untested queens in July, each.....	\$ .75
Five.....	3.75
More than five, each.....	.60
Tested queens in June, each.....	1.50

Orders filled strictly in rotation. No discount from above prices except to dealers.

### "A Word to the Wise."

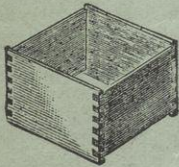
Last season I was unable to fill all of my orders hence would advise those who want any of the queens to send in their order and have it booked. The order must be accompanied with one fourth the amount as a guaranty of their being ordered, before it can be booked.

E. H. COOK, Andover, Conn.

## Our Clubbing List.

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

Am. Apiculturist.....	m	\$1.00
Am. Agriculturist.....	m	.75
Century Magazine.....	m	.75
Farm and Garden.....	m	.75
Gleanings in Bee Culture.....	m	.75
Household.....	m	.75
Southern Cultivator.....	m	.75
Western Plowman.....	m	.75



## SUPPLIES FOR Bee-Keepers.

I do not keep supplies for sale all of the time, but now have more than I need for my own use. If it is any object for you to order them of me at the following prices, I shall be pleased to receive your orders, and will do my best to give satisfaction. The supplies I have for sale are as follows:

One-and-one-half story hives, in flat, ea.....	\$ .90
Nailed and painted, each.....	1.25
Frames for above, in flat, per 10.....	.20
Frames per 100.....	1.50
Crate to hold 28 1-pound boxes, in flat..	.25
Sections, 4 1/4 x 4 1/4, per 100.....	.75
As above per 500.....	3.00
Tin, size 18x22, for roof to 1 1/2 story hive	.11

### COMB FOUNDATION.

For brood frames, per lb.....	.45
For section boxes, per lb.....	.55

Bee-keepers of Maine who are in need of supplies of first quality work will find it to their advantage to get my prices, as I can have goods shipped to you from your own state and save freight charges.

E. H. COOK,  
Andover, Conn.

**Note This:** We shall offer only such Apicultural journals in our Clubbing List as club The Bee-Hive with their publication. "A fair exchange is no robbery."



# BEEHIVE

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

VOL. 2.

ANDOVER, CONN., APRIL, 1887.

NO. 1.

## WOMAN'S POWER.

A man can build a mansion  
And furnish it through;  
A man can build a palace,  
With lofty walls and stout;  
A man can build a temple,  
With high and spacious dome;  
But no man in the world can build  
That precious thing called Home.

So 'tis a happy faculty  
Of women far and wide,  
To turn a cot or palace  
Into something else beside.  
Where brothers, sons and husbands, tired,  
With willing footsteps come,  
A place of rest, where love abounds,  
A perfect kingdom—Home.

—*J. Jones, in Farm and Garden.*

## Modern Apiculture :

OR,

*How Frank made Bee-Keeping Pay.*

### CHAPTER VI.

"If you will take that pan and the things in it, Harry, I will bring along this hive." While Frank was saying this he lifted up the hive and they proceeded toward the apple-tree under which was the colony of



bees. On the way, Dick, who had succeeded in getting a tremendous

volume of smoke from the implementation of bee-warfare now in his possession, was enjoying himself by nearly half-suffocating Harry who was only partly able to defend himself.

Arriving under the tree the boys set down their loads and Frank and Harry then went back to the shop for a board and two barrels to make a temporary table. Dick had worked the smoker in the mean time so industriously, that the fuel was nearly burned up, and when Frank commenced smoking the bees it almost went out before he discovered it. Filling it up again, he requested Harry to drum on the side of the hive while he blew smoke in at the entrance.

The top of the box-hive contained three or four holes that had been for made for the purpose of admitting the bees to the "cap," as it is called; which is only a square box set on top of the hive proper, and is removed late in the fall after the bees have filled it with honey.

This method of procuring what is called "chunk" honey was the only one known to the early New England farmer who kept from one to twenty hives; but now improved methods are rapidly taking the place of this old-fashioned method.

Perhaps we might say there was another method, which was to brimstone the bees in the fall and in this way secure all the honey they had made. Frank had taken off the blocks over the holes and placed an empty cap which he had with the hive on top and hoped by puffing smoke in at the entrance and having Harry drum on



the hive, to drive the bees up into it and thus have them out of the way when he came to cut out the combs.

After they had drummed on the hive for about twenty minutes Frank lifted the cap carefully up by one edge so he could look under and discovered about two quarts of bees clustered in it.

Lifting it off he placed it on a cloth spread upon the ground.

"Now I am going to try to get off one side of this hive and see if I can get the comb out of it and fasten them into these frames that go into my new hive, and in order to do this I shall want you to help me if you will, Harry?"

"To be sure I will," replied Harry.

"Now I want to turn this hive bottom up, and if you will take the brush and brush off what bees are on top of the hive so they will not get killed."

Taking the brush Harry easily brushed the bees off so that Frank turned the hive over without any trouble.

"Where is the chisel and hammer?"

"Here you—darn it, I've got stung!" exclaimed Dick, dropping the hammer and chisel onto the ground and rubbing one hand with the other.

"Do you good," said Harry with a smile; "make your blood circulate, you know. How do you suppose a bee could help stinging when you pinched it the way you did that one?"

"Guess you would n't say much if it had been you," retorted Dick.

Frank in the mean time had picked up the hammer and chisel Dick had dropped so quickly, and was cutting off the nails that held on the sides. At last he had them all cut, but it would not come off.

Taking a long-bladed knife he ran it down on the inside and with some difficulty cut the combs nearly all off except in one place where he could not cut through.

"I can tell you what is the matter with it," said Harry who was looking on; "it is one of those cross-sticks that holds on the side. Father always put two of them in when he makes them."

"Yes, that is so, for here is where one end comes through. You just blow a lot of smoke down on this side so that I will not kill them and I'll saw it off; then if it don't hold somewhere else we'll have it."

"Just look at the bees!" exclaimed Dick as Frank lifted away the side, "Would n't it make a fellow scoot to have all them little scamps get after him though."

[To be continued next month.]

## To the Bee-Keepers of Connecticut.

How is it brother bee-keepers of our state that we have no Bee-Keepers' Society? Are there not enough apiarists interested in bee-culture to form one? We should like very much to hear from those who feel an interest in starting such an organization.

Can't you see those about you likely to be interested and get them to help start a society? Come, friends, let us stir ourselves a little in this matter and see if it will not result in mutual good. We mail copies of this number, with this paragraph marked, to all the bee-keepers we know of in the state, and will send one free to all addresses sent us, or to those who can use them to advantage we will send several.

Let us hear from every one on this subject of general interest—we want to know what YOU think about it.



Written for the Bee-Hive.

## Bee-Keepers' Meeting.

Pursuant to a call of some of the principal bee-keepers of St. Clair Co., Ills., a meeting was held at Turkey Hill Grange Hall on Saturday, Jan. 15th, '87, for the purpose of organizing a Bee-Keepers' Association.

Mr. F. S. Braeutigam called the meeting to order and stated the object of the meeting. Mr. Chas. Hertel was chosen chairman of the meeting and J. P. Smith, secretary. The secretary was instructed to ascertain how many of those present were willing to go in to an organization. In a very few minutes twenty-one names were secured, after which an organization was effected by electing the following officers.

Chas. Hertel, President; Peter Miller, Vice President; J. P. Smith, Sec., and Mrs. J. M. Scott, Treasurer; Peter Miller, F. S. Braeutigam and Mrs. J. M. Scott, were appointed as a committee on by-laws, after which the President called on those present to give their experience in bee-keeping which was responded to by Messrs. F. Helms, S. Braeutigam, S. G. Clark, R. Rutherford, L. F. Dintleman, the President and Mrs. J. M. Scott.

Some of them made very flattering reports of their last year's honey crop. Mr. Rutherford reported an average of 100 lbs. to the colony and Mrs. J. M. Scott 98 lbs.

The organization was christened The Turkey Hill Bee-Keeper's Association. It was decided to hold the next meeting at the same place, on or about the middle of March 1887.

The present role is composed of the following names:

F. S. Braeutigam, Peter Miller, J. M. Scott, L. T. Dintleman, Chas. Hertel, R. Rutherford, F. Helms, G. T. Shook, Louis Nicol, H. H. Wilderman, A. E. Wilderman, S. G. Clark, J. P. Smith, Mrs. W. J. Miller, Mrs. J. M. Scott, Mrs. J. P. Smith, Mrs. F.

Helms, Mrs. A. E. Wilderman, Miss Carrie Rider, Miss Lucy Rider, Miss Effie Sandidge.

J. P. SMITH, Sec.,  
S. BRAEUTIGAM, As. Sec.

Written for the Bee-Hive.

## Answer to Queries in Feb. Number.

First. We refer you to "Description of the hive I use and my management of bees." By G. M. Doolittle. Pub. by Thos. G. Newman, Chicago, Ill.

Second. Our bees are on Summer stands packed in wheat chaff and dry maple leaves.

Third. They are in fine condition. A neighbor gave us three small colonies very late last fall, so we put them all in one hive but did not get to feed them as much as we wished before it became so cold we had to stop feeding, so we tucked them up snugly and left them to make out the best they could. It being quite warm Feb. 19, we decided to give them a frame of stores and thus be on the safe side, and, lo! behold! we found (instead of dead bees) brood in both sides of center frame and the queen still laying. Is this not proof that our bees are in good condition?

HARKER BROS. Hornerstown, N. J.

I am already patronizing several journals devoted to apiculture, but cannot help sending a mite to one so cheap as THE BEE-HIVE. It is a *Vade Mecum, Multum in Parvo*.—DR. WM. S. ADAMS, MD.

Rec'd Feb. number of THE BEE-HIVE, and pronounce it one of the brightest of its class that has ever appeared before us. We think Mr. Ed. deserves a large subscription list for getting up such a neat little journal. May he prosper in well doing.—HARKER BROS.



Written for the Bee-Hive.

## Simplicity Chaff Hive.

THE PROPRIETOR OF "MAPLE GLEN" API-  
ARY TELLS HOW TO MAKE THEM.  
ALSO HOW TO PREPARE THEM  
FOR WINTERING.

The Feb. No. of BEE-HIVE is at hand, and allow me to return thanks. In reply to my esteemed friend, C. E. Andrews, in regard to hives that I use and the mode of preparing my bees for winter, I will say first, that I call my hive the Simplicity Chaff hive; because I commenced with the Simplicity hive and remodeled them over into a chaff hive, although the new ones that I now make are a little longer and some of them a little narrower outside but the same inside.

I have made it a study to simplify every thing and to do away with all unnecessary parts. I use box boards planed to just  $\frac{3}{8}$  in. thick and for the body of the hive or hive proper, gage them to  $9\frac{1}{4}$  in. wide. I make my hives  $11\frac{1}{2} \times 18\frac{1}{2}$  in. inside, and to hold 8 frames, which is right for my location. To make the hive, take the above described boards and saw off 2 ends  $11\frac{1}{2}$  in. long and then two sides  $21\frac{3}{4}$  long and nail them on to the ends and as you see you will have a box with the sides projecting one inch at each end. Now saw off two more ends  $14\frac{3}{4}$  in. long and nail them on to the projecting ends of the sides.

Now cut off 2 more sides 23 in. long and nail them on to the outside ends, and, hurrah! you have a double walled Simplicity hive, that is when you have nailed on the bottom, which I always do as I would n't be bothered with a movable bottom-board for my brood nests. Now get out a moulding  $2\frac{1}{4} \times \frac{3}{8}$  and nail it on to the top of the sides after you have filled in between them with chaff of some kind. I prefer buckwheat hulls.

Now get out another moulding  $1\frac{3}{4}$  in. wide and after filling the ends with chaff nail them on to the ends, letting

them come even with the outside. By so doing the rabbets will be all formed on which to hang the frames, as I don't use tin rabbets any more. Of course you will have to put in a strip an inch wide at the bottom of the front end before nailing, on the bottom, to keep chaff from the entrance.

Now hang in 8 frames and you have a chaff hive all but the cover. "Yes, but where do you get so much and such nice comb honey and how do you winter so successfully." Well, that is what friend Andrews and so many others want to know. First, then, in order to tell you how I winter, I shall have to tell you how I get my honey. Of course all bee-keepers will see by my hive that I practice top storage, and that is what I do every time.

Now in order to make the half-story or crate, for you can call it by whichever name you please, you have only to take the same kind of lumber and gage it down to  $4\frac{3}{4}$  in. wide and make it up just like the hive without top or bottom, and set it right on top of the hive and you have a crate and a half-story all in one. Your crate, of course, is just the size of the brood-nest and directly over it without nook or corner, and you can tier up one above another as many as you please.

Or you can do as I do sometimes, make single walled crates out of inch boards or any other thickness, making it inside just the size of the brood-nest every time and you will see that you can tier up one above the other.

With one of these single walled crates and a beveled moulding on the hive and the cover I use, which is simply a single  $\frac{3}{8}$  in. board with a  $1\frac{1}{2}$  or 2 in. cleat nailed on the under side edge-wise, the Simplicity Chaff hive is a very neat looking affair and is good enough for me. All that I do to prepare them for winter is to see, first, that they have enough stores and then remove all sections from the crates and lay in some pieces of shingles or thin boards, not laying them close together



and then lay a piece of burlap over the boards or shingles and fill up the grate with chaff, laying the enameled sheet on top of the chaff.

Put on the cover and the work is done. Now contract the entrance down to 2 inches and you have my plan for wintering bees and the hive that I do it in. Maple Glen apiary is in good condition at this present writing.

T. B. MOWRY.

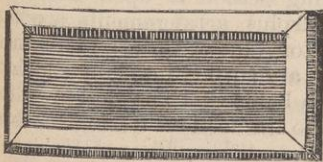
Oneco, Conn., Feb. 15th.

Written for the Bee-Hive.

## Friend Hyde's Division-Board.

AN EASILY MADE DIVISION-BOARD THAT MAY BE ADAPTED TO ANY HIVE.

The cuts illustrate the way that they are made, but I will say that I use picture-frame backing that is only about  $\frac{1}{2}$  inch thick. This, being so thin, will have a tendency to conduct the moisture from the bees during the winter. To make No. 1, I saw out some stuff and make a frame like a picture frame, size 10 x 18 $\frac{1}{2}$ , or wide enough to have them come up about as high as the frames in the hive; then double up a strip of enameled cloth and nail between the end pieces of the frame and board so as to have it project out far enough to take the division-board some over 18 $\frac{1}{2}$  inches or long enough to crowd into the hive snugly.

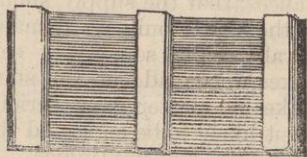


NUMBER ONE.

you want your board to stand with that surface beside your combs you will have to nail a board on both sides your frame, then you will have a di-

vision-board with a dead air space, which some think so much of.

I make No. 2 about the same way only I use 3 sticks of the same length sawed out of  $\frac{1}{2}$  inch stuff instead of the frame. These can also be covered on both sides like No. 1 if you wish. Fill the rabbet on each end of your hive where the division-board is with little pieces of wood so the bees cannot get around them.



NUMBER TWO.

I do not like anything hanging to the division-board for this purpose. I think that you will like these boards better than those that have the sides stuffed with chaff, and they are very much more easily made. I would sooner make these for \$5.00 per hundred than the chaff ones for \$15.00, and I find them just as good. I would add that I make No. 1 the thickness of a frame when finished so when a frame is removed this will take its place.

I would further note that I lay strips sawed the same thickness as the frame inside and about the middle of the frame and nail both sides to it to keep the boards from warping in No. 1.

J. L. HYDE.

Pomfret Landing, Conn.

Written for the Bee-Hive.

## Some Practical Thoughts on Bee-Keeping.

“WHAT WE WANT TO KNOW.”

By G. W. DEMAREE.

There was a time when the chief thing we wanted to know was how to procure the most honey. While this is still an important question, it does



not stand at the head of our wants, as it did in the past. Where shall we find a ready market for our honey at a paying price? is a more serious question to a majority of honey producers. When speaking of modern bee culture, we can safely say that honey producers have had to create, or build up a market for their produce, just as though no market existed. And it is not strange under the circumstances, that the supply should out grow the slowly built up demand. It is natural too, that some very serious mistakes were made at the start, and mistakes no matter how serious, that are not likely to be corrected because of long use and prejudice.

To call liquid honey, "extracted honey" was the greatest of mistakes, in my opinion. In an experience of nearly ten years I have not been able to educate my nearest neighbors to accept the name "extracted" as applies to liquid honey.

Why should I ruin my business by holding on to a mistaken name? I did not do it. I dropped the name "extracted," and now call my honey, liquid honey, and comb honey. Since I have adopted this common sense plan, have had much better success, and have saved a great deal of wearisome explanation.

This misnomer of honey in the liquid state, has cost the bee-keepers of the country a vast sum of money, and what is even worse, it has perhaps fixed a lasting stigma on the article. Some may be inclined to smile at the idea that a mere "name" could work so much evil to an article of trade, but it must be remembered that the word "extract" as used in commercial parlance never applies to articles in their *pure natural state*. It implies artificial, manufactured, etc. For this reason the word should never have been applied to virgin honey.

These are matters that ought to be brought up before the conventions and discussed and if the evidence goes

to show that the "name" has worked an injury to the article it is not too late to drop it for a more suitable name. Another thing that has injured our business, is feeding sugar to bees as a matter of false economy. I say false economy, because I have experimented largely to test the matter, and I am satisfied the cheapest way is to make the apiary self sustaining so far as feeding the bees are concerned. Sugar should never be fed to bees except in cases of necessity.

Sugar feeding brings suspicion as to the purity of the honey, and justly too, for it is impossible to winter bees on sugar without having some of it carried into the surplus in the spring. I have tested this matter carefully, and those persons who turn a deaf ear to these facts lay themselves open to the charge of dishonesty of purpose.

Christiansburg, Ky.

Written for the Bee-Hive.

## Hints from Hoosierdom.

SOME PRACTICAL SUGGESTIONS FOR THE APARIIST TO CONSIDER.

The busy season for bee-keepers will soon be at hand; in fact we should even now, busy ourselves in preparing hives, frames, sections, etc., so as to have every thing ready for business when this time shall come.

Many make a great mistake in putting off this work until the honey and swarming season is upon them and then surplus arrangements are neglected, for want of time, and the new swarms are rushed into any old hive that can be used. They fail to get the bees into the sections during the best of the honey flow, their colonies get the swarming fever and at the end of the season the yard is full of weak colonies, and but little surplus has been taken. The remedy of this state of affairs is, have all supplies ready and use them at the proper time.



Do not procrastinate. There are those who seem to think that if they could only get a certain kind of a hive they would be successful. Any good movable frame hive has advantages, and, if properly used, will prove a success. Good management, not the style of the hive, accomplishes the best results.

In arranging your apiary, be sure and set your hives level as this will give you straight combs in both brood and surplus chambers. To guard against combs being built crosswise in the brood frames, use narrow strips of foundation, about two inches wide and almost as long as the inside of the frames. You will seldom fail to secure nice straight combs in this manner. For sections, we use cases or racks that can be tiered up on the hives. Sections arranged in this way can be handled much more conveniently than when arranged in wide frames holding eight sections each, especially late in the season when the bees are sticking every thing fast with propolis. We succeeded in getting nice evenly filled sections last season, without using separators. Starters of foundation, were used in each section, of course.

In working in the apiary we should remember that bees, like a great many other things in this world of ours, can be handled a great deal better by gentleness than by going at them roughly.

E. L. REYNOLDS.

Westville, Ind., Feb. 15, 1887.

Written for the Bee-Hive.

## Weak Colonies.

HOW TO BUILD THEM UP IN THE SPRING.

I would not unite two weak colonies in the spring, unless one of them were queenless. If there is only a pint of bees left with a good queen you can soon build them up into a strong colo-

ny. Attend to them the first warm day when the bees are flying.

First be sure that they have a queen. Now brush out all dead bees and remove the outside frames, leaving only two or three frames containing honey and brood (if they have any) in the center of the hive, move up the division boards, contracting the space so as to confine the bees to the combs; pack warm as you would for winter. If they have no brood, take out the center frame and replace with one containing hatching brood from a strong colony. As soon as there are enough bees to protect more brood, enlarge the brood chamber and slip in another frame of brood.

After they have a good start and the queen is laying well, you can add frames of empty worker comb from time to time until you have a full-sized colony. If you are obliged to feed your weak colony, a good plan is to take a common glass fruit jar, fill with coffee A sugar syrup, tie thin muslin over the mouth, invert right over the cluster of bees, placing a piece of wire cloth or mosquito screening on top of the frames *under* the mouth of jar. Cover the jar and all crevices around it so as to confine the heat as well as the bees.

Now the bees can reach their provisions without scattering the cluster, and a peep at the jar will show you when it needs refilling. I have saved starving colonies by this plan of feeding that had consumed all their natural stores by the middle of February and they proved to be my best paying colonies. Weak colonies built up as here directed cannot be distinguished from the strongest spring colonies during the honey season.

S. P. YODER.

East Lewistown, Ohio.

That is right friends, send in the names of all your neighbors who keep bees, so that we can send each of them a sample copy.



Written for the Bee-Hive.

## Gleanings from Vermont.

A HARD WINTER FOR BEES.

Mr. Editor:—Vermont bee-keepers have had a hard winter and bees having had no flights, will probably be weakened by diarrhoea. We have had over ten feet of snow since last Thanksgiving, and it is snowing to-day very hard.

Such a winter as puts out of countenance the octogenarian who is always mourning the degeneracy of all things modern, including the weather. My bees were all alive a week ago when I cleaned out the entrance; but some were uneasy.

I notice some one asks how to keep clean the sections.

I have a case so made that the bees *cannot get to* the outside of the section, and so *cannot* propolize them. My case can be tiered up and used with or without separators by a slight change in the sections. The bottom answers the purpose of a slatted honey-board and I am never troubled with brood or pollen in sections.

You ask some one to tell in **THE BEE-HIVE** how to make the bees build only worker comb.

That is a hard question to answer and I give it up; but I can tell how I will *try* and I think I shall succeed reasonably well. I hive all my swarms on full sheets of wired foundation, and as new swarms as a rule desire to build worker comb, no drone comb is built that season except in the old hives. I examine *them* after the close of the honey harvest and if I find more drone comb built than is necessary, I cut it out and insert a piece of foundation or worker comb.

The reason I do this *after* the close of the honey season is simply this: no drones are desired by the bees after the swarming season, (except a colony superceding) and the foundation is built out as such. Do

not try to keep *all* drone comb out for you cannot do it. You are "bucking against nature" too much if you attempt it.

J. H. LARRABEE.

Larrabee's Point, Vt.

[Should like to have a description of your crate friend L., if it will protect the outside of the sections as you intimate. It has been a trying winter for bees in this locality, too, and though you have had more snow in Vermont than have we here, still when it comes to number of different snow storms Conn. is entitled to some consideration, as there have been 28 at this date.—Ed.]



This is Mr. N. O. I. T. All who had just commenced to write an article (?) for one of the bee-journals about his wonderful success in wintering bees in the "Golden Reverendible Pagoda."

but he bethought himself to go and examine them before finishing it. The result of his examinations are visible upon his enlightened countenance.

Subscribe now for **THE BEE-HIVE**

Written for the Bee-Hive.

## Plan of Bee-Hives and Winter Keeping.

By E. P. Newman.

I have owned bees several years but only consider myself withal an alphabetic scholar in the study and art of bee culture and science of essaying



that subject, though I am enthusiastic and regret that I have not the power of language to convey my ideas and experience of monkey fumbling management and handling of bees, but wish to be permitted the privilege to recite the little lesson I know.

It seems to a great extent that all bee-keepers indulge a system peculiar to themselves and there is quite a diversity of opinions and existing theories so much that it is a difficult matter to establish any point definitely, as localities materially interfere with the matter involved in the question of winter management as a general rule of the same to follow.

For in the state of Florida the climate is of a regular warm temperature almost continuously abounding in rich pasturage range of floral producing nectar and pollen, and these commodities are sufficient of themselves to make out door keeping in winter most favorable, as we are aware of the fact. Nature demands frequent flights for which they should have freedom to exercise at will under favorable circumstances, to retain animation and vitality and perhaps to discharge a fetid excrement and stench of a probable infecting effluvium which might otherwise be generated in the hive and occasionally produce disease if not thus cleansed by due flights to prevent foulness of hive, etc.

But in cold climates there is an absolute necessity of assistant heat some way devised.

Besides the Solar system and whatever event suggests itself to me from observation and experience that demonstrates, beyond a reasonable doubt, of its practical utility, the same I adapt as an invariable established rule and fixed principle by which to be governed continuously.

But the matter now in consideration is for instructions in my method of winter keeping, and relates to the mode and construction of hive, not

only for the protection and safety of the brood chamber, but the facilities otherwise to abundantly procure surplus honey in the section department therefore I recommend small hives for rapid and prolific increase of bees and honey and will give a brief description and dimensions of my hive, though not in the classic order of numerical calculation of cubic inches, but simply say 12 inch cavity in the clear all round on either side and 14 inches in height lengthwise, allowing the cards of comb to drop within one inch of the floor.

I have two hives of the above dimensions that have survived three extremely cold winters which were colder than ever known previous in this latitude, and yet at this date are working sprightly on out door stands simply enveloped with fodder on the north, east and west side to ward off the bleak wind that mostly blow in these directions here.

I will say, however, my hive is a contrivance of my own. The whole colony may be detached from the hive at once and visibly explore the entire colony for general purposes and for winter quarters I closely envelope them in a case of cartoon paper or Brussels carpet and this device merits the title it bears of Excelsior Novelty hive.

I don't approve the plan of cellar storing generally; especially wherein are kept decayed fruit or decomposed vegetable matter, as I have frequently seen such masses of cellar replenishments, evaporating dense stagnated atmosphere and nauseous odor with which they are most commonly frequented, with mouldy impurities and dampness, and totally deprived of essential life-preserving element of ozone.

But in this game I cannot attempt with propriety to discard all cellars. There are exceptions of very appropriate situations, in such as are warm, dry, and well supplied with pure air



by giving a proper degree of ventilation and tiering about two feet from the side-walls and elevated the same from the floor on trestle benches or swinging shelves.

This process will, doubtless, assist the progress of early development of brood, but warm houses are preferable for better and more successful results. I verily believe that I am thus far correct in my views and trust they are substantially able to resist the most severe criticism, but if I am wrong I will cheerfully succumb if intelligent philosophical reasoning is brought to bear as proof against me.

Harrell, Ind.

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### Ladies' Department.

Under this heading we solicit articles from our lady friends pertaining to bee-culture.

Written for the Bee-Hive.

### Hints About Drone Comb.

How to make bees build only worker comb: that is something we do not want to do unless we do not care if our Italian bees deteriorate to the blacks. The first few years we kept bees we were very careful to have only worker comb built. In our home apiary that I had the care of I took great pains to cut out all drone comb, except an inch or so per colony, and fit in worker comb.

But Mr. Axtell having a farm to oversee and the care of our timber apiary four miles from home, paid but little attention to cutting out drone comb unless he would get a frame nearly full and then he took pains, if he used such a comb, to put it on outside of brood nest. The consequence was he had many more drones in his apiary and his bees, with much less weeding out of hybrid queens, did not deteriorate to the blacks as did our home apiary, and the amount of honey in both were near the same.

So that our advise would be to have

all pure colonies have from two to four inches of drone comb in several combs as the queen seldom will use all at one time. If a half of a comb was built drone all in one piece, we would fit in the other half with drone comb and keep for extracting or to get filled with honey for spring use.

Bees are a little like a man with a pocket full of money; he feels more independent and will make money faster than if he is living from hand to mouth. If we keep our bees impoverished we need not expect much from them. They need plenty of honey for present use, and enough so they will feel they have plenty for a rainy day besides, and plenty of bees give them a heart to work with plenty of bee pasturage, and we will get plenty of honey in return.

MRS. L. C. AXTELL.

Roseville, Ill.

[To be sure Mrs. A., a man likes to have his pocket full of money; but then he ought to let his wife have some; that is if he has one, and she helps him take care of the bees.—Ed.]

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If the ladies do not send us in some articles for their department, we shall have to turn to and write one for them. Now that we have given them warning of our intentions, we hope they will remember that old adage, forewarned is fore-armed, and so nip our journalistic efforts in their territory in the bud.

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Written for the Bee-Hive.

### What We Want to Know.

No. 1. If you have your bees in old box hives, transfer them into movable frame hives as soon as fruit-bloom, and take 30 cts. and send to E. H. Cook, Andover, Conn., for THE BEE HIVE, it will keep you posted.



No. 2. If your colony has a good young Italian queen, it is fun to build it up. Put them in a warm chaff hive, hang a chaff dummy on both sides, lay 2 or 3 small sticks crosswise to give room for the bees to pass from one frame to another; place a good warm chaff cushion on top and feed artificial pollen, rye or oat meal in your beeyard, watch the robbers, place a board before the entrance to keep the sun out on windy days, and you will be surprised the first day of May.

No. 3. We packed 30 colonies in chaff hives. 63 were in Simplicity hives without any protection except a few old rags over the frames. They seem to be doing finely so far.

W. G. HAYEN.

Written for the Bee-Hive.

## Description of the Falocio Honey plant.

(SEE PAGE 44, DEC. NUMBER.)

Falocio is a small, evergreen shrub growing about one foot in height. It is a plant of singular beauty, has fern shaped leaves and a small white blossom somewhat resembling the strawberry blossom. It is found along the snow line of the Upper Sierra (that is where snow falls to a depth of 4 to 6 feet). It commences to bloom about the middle of April and continues until June. Bees work from morning until night on it.

It yields both honey and pollen. I never saw a season yet that the bees did not work on it. I will send you a specimen of it when it is in bloom. There is five feet of snow here now, and the bees have not had a good fly for three weeks. In my next letter I will give you a description of the hive I use and my system of management.

S. L. WATKINS.

Placerville, Calif.

## Gleanings.

Friend Yoder of Ohio writes:

Glad to see the "HIVE", coming through its first year without any "spring dwindling." Keep "HIVE" filled with "live articles," right to the point, and as you aim to double the number of "HIVES," also have them built on the "adjustable" plan, so that they can be enlarged, "widened out" as it were, so as to make room for a larger number of live articles with sharp points.

[You know friend Y., that when a "Bee-Hive" is filled with "well ripened" stores and the bees are healthy, they always "buzz" when one thumps on the hive. The "humming" in the "HIVE" increases as the weather becomes warmer, and we shall probably have to try "side storing" to keep the bees from "absconding."—ED.]

March 7th, B. L. Bourland of Texas says:

I am very glad that we will have THE BEE-HIVE monthly this year. Notify me when my subscription expires and I will send amount for another year. Bees doing well here now gathering pollen and honey. We are looking forward to a prosperous year.

On Feb'y 24th, R. R. Cuyler of Va. writes:

Am very much pleased with your spicy little journal. Have to-day gone over my apiary, united all weak ones and have them in good shape for the season. Italians and hybrids busy bringing in a very light yellow pollen, from the willow I think. The blacks have not found it as yet. Score one for Italians and hybrids.

Under date of March 12th, Mrs. J. Atchley of Texas writes:

Bees doing finely; we expect swarming soon.



THE  
  
**Bee Hive**

PUBLISHED MONTHLY.

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

Subscription Price, 30 cents Per Year  
 in Advance.

**Editorial Ink Drops.**

☞ See our clubbing list in this No.

We are now in our second year—teething you know—so don't lay it up against us if we are a little worrisome.

By the way, did you forget to send us that 30 cents for THE BEE-HIVE?

The past winter has been one of much severity throughout New England and the bee-keeper who comes through without losing any of his colonies, will have a good excuse for feeling proud of his success.

☞ If you receive a copy of this number and are not already a subscriber, please consider it an invitation to become one.

Our bee-keeping friends at the South are now busily engaged among their bees and the Northern apiarists are wishing—what? That they were too.

A CORRECTION.—In our last issue—Feb. number, page 53—the article on “Separators” was credited to R. R. Cuyler, when it should have been R. B. Leahy. We hope these gentlemen will excuse our carelessness. Mistakes will occur but we hope not often of such evident negligence.

“It's a wise bee that knows her own mother,” and a wiser bee man that does not get floored when the man with a patent hive, there are good ones to be sure but the majority are worthless, new honey plant, or some “catch-penny” offer gets after him. It reminds us of the way in which a hawk scoops up the inexperienced chicken.

If you are a beginner, look out that your bees do not get out of honey. Give them five, yes, ten pounds more than they can use, rather than have them scrimped in stores for even a day. Those who have never observed how rapidly the bees consume honey in early spring when brood-rearing is being pushed rapidly forward, would be surprised at the quantity of honey consumed in a week's time. A colony may pass through a long cold winter only to die of starvation, if allowed to run out of honey. Many “old hands” can no doubt recall instances of their early experiences on this point that have cost them many a colony.

Now get ready for the spring work as much as possible. Repaint hives, and if the covers have started apart by action of last year's sun, a nail or two will draw them up tight if used in time. Get all the frames you will be likely to need together square and true and if you expect to ship bees wire each frame and fasten in part or full sheets of fdn. Have your boxes all ready to place on the hives when the honey season opens, and, in short have all the “preliminaries” ready to use.

We do not issue a list of bees and queens—other than will be found in THE BEE-HIVE from time to time—so do not write for one. Nor do we deal in or keep other than the Italian bees. For other races see our advertising columns, where cards of reliable dealers will be found.



Don't stop for "legislation for bee-keepers" or "market reports." We (you and I, neighbor) have n't time to stop and fight our way through the world, when a few kind words will accomplish a better result than "going to law" to defend our "rights."

Do not feel disappointed if your article is not in this number, for we have a large amount of copy on hand and it may be some time before we can find space.

Mr. Stratton, of Hazardville, gave us a call a few weeks since. He has kept bees for many years and is well versed in the modern improvements.

We notice that friend Root, editor of *Gleanings*, is still in hopes that Mr. Thos. Horn will return all money sent him last spring for bees and queens, and for which little or no return has been made. Mr. H. proposes to give his note (?) for all amounts, which, we understand are to run two years (better make it ten Mr. H.) unless paid before. We have a claim of \$1.75 against this gentleman—know of others—which we should like to "swap" for a 25-cent coin. Quick or you lose it! Which?

"Are we not as far advanced in improved crates, hives, etc., as it is possible for us to be?" Ha! ha! ha!! Of course we are, when it is acknowledged by good authority that the *best* crates for section honey will not protect the edges of the section-boxes from bee-glue! How it does "humble a fellow" to have a *beginner* ask for such a crate and then have to confess that no such case is made.

Here is a field for the inventive bee-keeper; one that ought to be plowed deep enough to turn out a honey crate that would overcome this defect. Such a one would be cheap at 50 cts.

SEE OUR ADVERTISING RATES.

### Exchange Notices.

Under this heading we will insert notices of exchange—not advertisements—not to exceed 35 words of matter free of charge to the SUBSCRIBERS of the BEE-HIVE.

WANTED!—To exchange a solid silver 4-oz open case flat heavy glass crystal watch, Rockford Quick Train movement, is a good timekeeper, cost \$35.00 (nearly new) for bees.  
JNO. W. MANNING, Salineville, Ohio.

WANTED.—To exchange a colony of Italian bees in L. hive, for a silver dollar of 1864 date.  
L. J. WALDO, Merrow, Conn.

WANTED.—To exchange hives, brood-frames, etc., for a foot-power lathe that will turn about 9 x 25 in. O. H. HYATT, Shenandoah, Iowa.

TO EXCHANGE.—The Alderbrook Poultry Farm; 29 acres; breeding stock; cosey house, barns, poultry houses; all new, for ready made clothing or desirable personal property, or offers.  
Box 250, West Eaton, N. Y.

WANTED.—To exchange a good 8 x 10 camera, tripod and Darlot view lens, with book of instructions, for foot-power saw or extractor.  
N. S. DAVIS, Somerset, Mass.

WANTED.—To exchange a good colony of bees for poultry of any kind. Mass., Conn., or R. I. offers only. C. E. ANDREWS, JR.,  
10 Haswell St., Providence, R. I.

WANTED.—To exchange one 6-in. circular rip saw, one telescope (paid \$8.00), one book of H. Alley's Queen-Rearing, for wire ralls, hammers, small saws, any thing I can use in hardware. W. F. EBERT, Carbon Black, box 48, Pa.

WANTED.—To exchange untested or tested Italian queens for sections (4½ x 5¼ preferred,) tested Holy Land or Cyprian queen, Pelham fdn. mill, or offers.  
B. L. BOURLAND, Valley Spring, Texas.

WANTED.—To exchange first-class strawberry and raspberry plants—leading varieties—for sections and foundation. Make your selection from our list. S. P. YODER,  
2 East Lewistown, Mah. Co., Ohio.

WANTED.—To exchange metal cornered simplicity frames, filled with foundation ready to hang in the hive, for Italian bees and queens.  
2 R. B. BONEAR, Cherry Ridge, Penn.

WANTED.—To exchange a fine set of Keuffel and Esser's mechanical draughting instruments, with India ink, triangular, rule, gutta percha triangle and T square all complete, for comb foundation. J. H. LARRABEE,  
Larrabee's Point, Vt.

Do YOU take  
A Newspaper or Magazine?  
BEE-KEEPERS' CLUB

LIST FOR 1887,

offers them to you at Wholesale Rates

E. H. Cook, Andover, Conn.



## Circulars, Etc., Received.

A 16 page catalogue of apiarian supplies and bees from F. A. Snell, Milledgeville, Ill. Friend S. makes a specialty of the "Eclipse" hive.

From J. P. Murray, Ada, O., comes a 16 page circular of supplies—the "Scientific" bee-hive being one of the attractions.

F. A. Eaton, Bluffton, O., sends a 4-page list of bees and queens; also a supplement descriptive of his new case.

E. R. Newcomb, Pleasant Valley, N. Y., sends a 34 page catalogue of bees, hives, and apiarian supplies in general. It is neatly printed and the cover is quite unique; being in colors and fastened together with gilt staples.

A 1 page list of Italian queens comes from J. T. Wilson, Nicholasville, Ky.

A 12 page list of Italian bees, queens, garden seeds and small-fruit plants from C. Weckesser, Marshallville, O.

The Berlin Fruit Box Co., Berlin Heights, O., send a 30 p. list of berry packages and apiarian supplies.

A 22 page illus. catalogue of implements for bee-culture comes from Smith & Smith, Kenton, O.

W. W. Cary, Coleraine, Mass., sends a 27 page list of bees and supplies.

J. B. Mason & Sons, Mc. Falls, Me., send a 24 p. illus. catalogue of bee-keepers' supplies.

Thos. G. Newman & Son, Chicago, Ill., send a 35 p. illus. catalogue of apiarian supplies of all kinds.

A 12 list of bees, queens, etc., from O. Foster, Mt. Vernon, O.

J. Lingenfelter, Akin, N. Y., sends a 4 page list of Italian and Cyprian queens, bees, signals for hives, fdn., etc.

A list of bees, queens and supplies from J. Nebel & Son, High Hill, Mo.

An 8 page list of sections from the Maryland Section Co., Catonsville, Md.

S. P. Roddy, Mechanicstown, Md., sends a 2 page list of Italian queens and bees.

"The Advertisers' Favorite," of 16 pages comes from J. E. Shaver, No. River, Va. Contains a list of supplies.

J. H. Martin, Hartford, N. Y., sends a price list and samples of his chromo cards. They are very pretty, being printed in seven different colors.

A. O. Crawford, So. Weymouth, Mass., sends a sample of his section cartons.

The following have been printed by us :

An 8 page list (map fold) of U. S. and Foreign Coins, stamps, relics, curio's, etc., for J. G. Bingham, McGrawville, N. Y.

A 12 page catalogue of apiarian supplies of all kinds; also bees and queens, for C. W. Costellow, Waterboro, Me. Friend C. knows how to turn out a first-class job as the hives we ordered testify

W. H. Norton, Skowhegan, Me., is again on the lookout for those in need of bees, queens, and bee-keepers' supplies. His catalogue contains 16 pages.

Hayward & Stratton, East Pepperell, Mass., are ready to mail you their 10 page list of queens, bees, hives, fdn., etc., on application.

F. W. Holmes, Coopersville, Mich., makes a specialty of Dunham and Vandervort foundation. His list contains 8 pages.

E. M. Yeomans, Andover, Conn., has a 4 page list of bees and queens.

For Miss Hattie A. Heaton, Charlton, N. Y., a 1 page list of bulbs and roots.

Any of the above circulars will be sent to anyone sending a postal to the addresses given.

Subscribe now for THE BEE-HIVE.

## Premiums for Subscribers.

—(o)—

A Little Work will Secure Them.

—(o)—

As our offer of premiums for subscribers in last number, has given our subscription list quite a boom, we make additions to the premiums so that agents can have more of a variety from which to select. Order by number.

### No. 1.

25 Packets of Choice Fresh Seeds, as follows :

Beans, Cook's improved lima; Beet, long smooth blood; Carrot, improved long orange; Cabbage, flat dutch; Celery, Crawford's half dwarf; Corn, Cook's extra early; Cucumber, early Russian; Lettuce, sugar loaf; Garden Dock (nice for "greens"); Muskmelon, 4 kinds; Watermelon, ironclad; Onion, Weathersfield red; Parsnip, mixed var's; Radish, French breakfast; Squash, cocoonut; Sunflower, mam. Russian; Tomato, Livingst's, perfect'n; Strawberry Tomato, (ground cherry); Turnip, Jersey lily; Vegetable Peach; 5 papers flower seeds.

We offer the above collection, postpaid, (retail price \$1.65) for **Five** subscribers at 50 cts. each; or **Three** subscriptions and \$1.25.

Remember these are seeds that were grown last season, not worthless trash that has been carted about from season to season.

### No. 2.

## A PURE ITALIAN QUEEN



for **six** subscribers at 30 cts. each. The queen will be sent July first. They will be tested as to purity. For **three** subscribers at 30 cts. each and 50 cts. extra we will send a queen.

### No. 3.

For **three** subscribers at 30 cts. each, we will send a copy of "A Bird's-Eye View of Bee-Keeping." This gives, all in poetry, a brief outline of bee-keeping.

### No. 4.

For **two** subscribers at 30 cts. each, a Rubber Name and Address stamp will be given.

### No. 5.

For a club of **ten** subscribers at 30 cts. each we will send postpaid, a cloth bound copy of

## A B C of Bee Culture,

by A. I. Root. This is a book that should be in the hands of every bee-keeper, especially beginners. Don't fail to secure this bargain.



**ADVERTISING RATES.**

As we are constantly receiving inquiries in regard to our rates for inserting advertisements, we give prices below. All advertisements, to receive attention, must be accompanied with the cash. No frauds, dead beats, or parties of a similar character admitted (knowingly) at any price. Our circulation is steadily increasing, and, mailing, as we do, many sample copies to those practically interested in bee-culture. We are confident that advertisers will find it for their interest to place an ad. in the columns of THE BEE-HIVE.

**PRICES:**

One inch or more, 1 insertion, 25 cents per inch. One inch or more, 6 insertions, 1/2 off; on 12 insertions, 1/4 off.

When it is desired to change the wording of an advertisement that is to run 6 or 12 insertions, 15 cents per inch must be added to above prices for each change. Those who place an advertisement of 1 inch or more for one year, will receive their paper free. Copy must reach us by 20th of month preceding date of issue.

**Advertisements.**

**SECTIONS !!**

First quality white Basswood, dovetailed, or to nail, 4-pieces, 4 1/4 x 4 1/4, price \$4.50 per 1000; or 5000 for \$20. Sure to please you. Any size Section made to order, and Shipping Crates in season. Sample Section sent for a Stamp.

**F. GRANGER & SON,**

Harford Mills, Cortland Co., N. Y.

Mention the Bee-Hive.

**Bee-Keepers !**

EVERY THING YOU NEED IS IN MY

NEW CATALOGUE.

JUST OUT. **1887** FULLY Illustrated.

Send For It.

**EASTERN DEPOT**  
FOR

**Dadant's Foundation.**  
EDWD. R. NEWCOMB,

Pleasant Valley, Dutchess Co., N. Y.  
Mention the Bee-Hive.

**BEES FOR SALE !**

I will sell full Colonies of Bees, Hybrids and Italians, in A. I. Root's Simplicity Hives in good condition and straight combs. These Bees are

**Good Workers on Red Clover.**

I guarantee Safe Arrival by Express. For particulars address **H. M. MOYER,**  
Hill Church, Berks Co., PA.

Mention the Bee-Hive.



**ITALIAN BEES,**

Queens, Hives,

Foundation, (Given's)

Sections, and

BEES-KEEPERS'

SUPPLIES.

Send for Catalogue.

**HAYWARD & STRATTON,**

East Pepperell, Mass.

Mention the Bee-Hive.

**Colonies, ITALIAN BEES, ITALIAN QUEENS; —**

Eclipse, Langstroth and New

American Bee-Hives;

COMB FOUNDATION, VEILS, SMOKERS, ETC.

1887 Catalogue mailed free.

Address, **F. A. SNELL,**  
Milledgeville, Carroll Co., Ill.

Mention the Bee-Hive.

**1877. SMITHS' 1887.**

**Wholesale & Retail Bee-Hive Factory.**

Sections, Hives, Smokers, Fdn., &c.

One-and-one-half story Langstroth Hives with 10 brood frames as low as 63c.; two-story Langstroth Hives with 10 brood frames 80 cents. Price List free. **Smith & Smith, Kenton, O.**

Mention the Bee-Hive.

**ITALIAN & CARNIOLAN QUEENS**

Bred in separate apiaries away from all other bees. **NUCLEI, BEES BY THE POUND, AND**

**FULL COLONIES.** Be sure to send for my

Reduced Price List and Circular, giving full particulars, before you purchase. Satisfaction guaranteed.

**CHAS. D. DUVALL,**

Spencerville, Mont. Co., Md.

Mention the Bee-Hive.

**FOR SALE CHEAP !**

One 10-inch Pelham Foundation Mill. For sample of its work and price, address

**BEE-HIVE, Andover, Ct.**

**Do we deal in Bee-Hives ?**

Yes, 30 cents a dozen, and we send them by mail at that ! Moth proof, too.



**DO YOU WANT** all kinds of Bee-Keepers' Supplies of the LATEST styles and BEST makes, also the **Cheapest?** Then send your name and address and **Latest Price List.** get my

**A. J. KING,**  
51 Barclay St., New York.

Mention the Bee-Hive.

## My 19 Annual Price List

of Italian, Cyprian and Holy-Land Bees, Queens and Nuclei colonies (a specialty); also supplies—will be sent to all who send their names and addresses.

**H. H. BROWN,**  
LIGHT STREET, Columbia Co., PA.  
Mention the Bee-Hive.

## CHOICE ITALIAN

Queens and Nuclei from Imported Mothers; also from the Noted **Innittle Strain.**

Send for circular.

**Simon P. Roddy,**  
12t Mechanicstown, Fred'k Co., Md.  
Mention the Bee-Hive.

## BEE BOOKS.

We can recommend the following apicultural works as being instructive, practical and up to the times.

A B C of Bee Culture, by A. I. Root.—This is one of those books which it is a pleasure to read. It explains the various manipulations in detail. How to make your hives, crates, frames, etc. Fully illustrated.

Price with the Bee-Hive one year \$1.15.

Bee-Keepers' Guide; or Manual of the Apilary, by Prof. A. J. Cook.—A valuable work on the honey bee. It describes, with numerous illustrations, the anatomical structure of the bee. Gives a description of many honey-bearing flowers, and is a thoroughly practical work.

Price with the Bee-Hive one year \$1.10.

Bee-Keepers' Handy Book, by Henry Alley.—If you intend to rear queens for your own use or to sell, you should read this work. It gives a thorough treatise upon queen-rearing, besides many hints of value to the bee-keeper. Illustrated. Price with the Bee-Hive one year \$1.20.

We do not keep these in stock, but order them sent direct from the publisher, which insures the purchaser of getting the latest edition.

Sent by mail at above price.

**E. H. Cook, Andover, Conn.**

## Do we deal in Bee-Hives?

Yes, 30 cents a dozen, and we send them by mail at that! Moth proof, too.

Having increased my facilities by the addition of a new engine and boiler; and other special machinery, I am better than ever prepared to furnish

## Supplies for Bee-Keepers

of superior stock and fine workmanship, and at reasonable prices. Also on hand for sale Italian Bees, Queens and Honey.

Send for new catalogue.

**C. W. Costellow, Waterboro, York Co., Maine.**  
Mention the Bee-Hive.

## A GREAT SCHEME!!

Can we sell honey to the millions? Investigate our new peculiar 5-cent package for extracted honey. Eaten from the hand without knife, spoon, or stick—as cleanly as to bite an apple. The first and only cheap successful package ever invented. We also have the first **CHROMO CARD** designed especially for bee-keepers; bees, implements, etc., elegantly printed in eight colors; a big move to extend reputation. Italian Queens, splendid Foundation, Bees in Heddon Hives for sale, and all represented on our card.

Circulars and card, giving full information, free. Package of Cards, 10 cts. Sample Honey Package, filled with honey, 12 cts. Now is the time to look these things up for the coming season.

Address, **J. H. MARTIN,**

Hartford, N. Y.

Mention the Bee-Hive.

## SMITH'S

## One-piece Section Factory.

Special prices to dealers and large consumers. Write us for price, stating how many you want. Price list free to all.

**SMITH & SMITH, Kenton, Ohio.**

Mention the Bee-Hive.



## ITALIAN Queens.

If you want to buy choice Italian Queens send for price list to

**CHAS. HILL,**

Mt. Healthy,  
Ham. Co. Ohio.

Mention the Bee-Hive.

Do YOU take  
A Newspaper or Magazine?

BEE-KEEPERS' CLUB

LIST FOR 1887,

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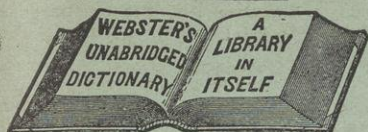
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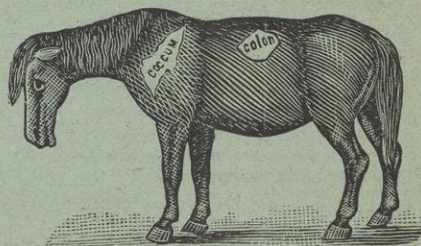
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