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## **The bee keeper's enterprise. Vol. 1, No. 1 May 15, 1893**

New Haven, CT: Burton L. Sage, May 15, 1893

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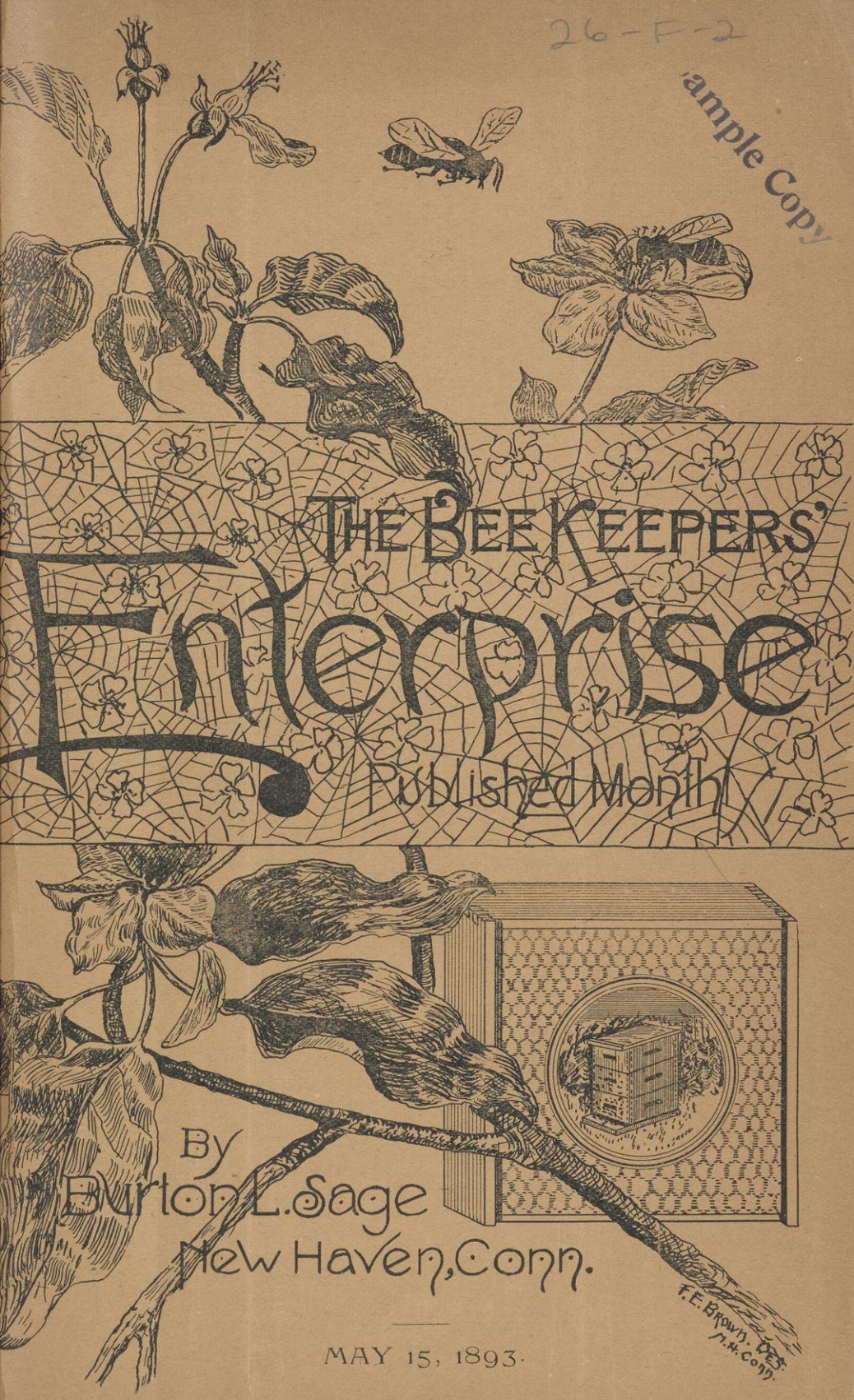
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THE BEE KEEPERS'  
**Enterprise**  
Published Monthly

By  
Burton L. Sage  
New Haven, Conn.

MAY 15, 1893.

F. E. Brown, Des.  
N. H. Conn.



## Advertising Rates.

All Advertisements will be inserted at the uniform rate of 6 cents per line, Nonpareil space, each. 12 lines of Nonpareil space make 1 inch.

At this rate we can allow no discount for long time or large space.

Advertisements of 25 words or less inserted in our Business Department for \$1.00 per year, three cents for each additional word.

No lottery, quack-doctor, or swindling advertisements inserted at any price.

Advertisements intended for next issue must reach this office by the first of the month.

The Lone Star Apiary Sells



Golden Honey Queens at the

### FOLLOWING LOW PRICES:

Untested, before June 1, \$1.00; after, 75c. Tested, before June 1, \$1.50; after June 1, \$1.00. Safe arrival and satisfaction guaranteed. I breed a fine five-banded strain of Italians. Send for my price for 1892, and get prices on nuclei and full colonies. Cheaper than ever before known. Write for prices on large orders.

## Untested Queens War- ranted Purely Mated.

OTTO J. E. URBAN, PROP.,  
THORNDAL, TEXAS.

### WHITE POPLAR

## SECTIONS.

We have New Steam Power, and New Buildings, and are now ready to furnish White Poplar Sections, Clamps, Crates and Wood Sides at short notice. Workmanship, Quality and Price unsurpassed. Send for sample and price list.

PRIME & GROVE,  
Bristol, Vermont.

## Business Department.

25 words or less under this head will be inserted for \$1.00 per year; three cents for each additional word.

But one line of business can be represented in each notice; for instance, if you breed Queens and manufacture Supplies, you will have to pay \$2.00 if you wish to have both branches represented in this Department.

## GOLDEN QUEENS.

**CHENANGO VALLEY APIARY**, Head quarters for Golden Italian Bees and Queens. Tested, \$1.50. Untested, \$1.00. Send for Circular. Mrs Oliver Cole, Cherburne, Chenango Co., N. Y.

**FROM TEXAS.** My bees cannot be surpassed for business, beauty, and gentleness. Safe arrival and satisfaction guaranteed. Untested queens—March, April, and May—\$1.00 each. Send for price list.

J. D. GIVENS, Box 3, Libson, Tex.

## SUPPLIES.

**LEVERING BROS.**—Have the largest and best equipped Bee-Hive Factory in the West. Send for their free Illustrated Price List, and save money. Supply Dealers, send for their Wholesale List. Wiota, Cass Co., Iowa.

## POULTRY.

**A FEW** grand specimens in S. C. B. Leghorns, B. and W. P. Rocks. Our birds win wherever shown, and will win for you. Prices low for quality, Mosher Bros., Seneca Falls, N. Y.

**A. P. ALLEN**, Meadville, Pa.—S. C. Wh. Leghorns, R. C. Br. Leghorns, S. L. Wy'ts, Lt. Brahmans, Wh. Cochins, B. P. Rocks, Pekin Ducks. Send for circular, or order direct from this, and 13 eggs for \$1 will be sent promptly.

## EGGS

**EGGS** for hatching \$1 per 13, from high class I. Games, Wh., Sil. and Gol. Wy'ts, R. C. Br. Leg's, Pekin Bantams. W. J. Wiberley, Pecks, kill, N. Y.

**EGGS** from first-class B. P. Rocks (Hawkins, Upham and Lambert strain), \$1 per 13, Eggs warranted. John McGuire, Methuen, Mass.

## Are You Tired

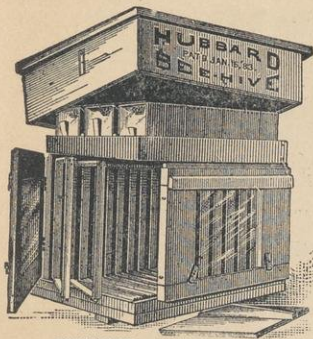
of New Bee Journals? Send 15 cts for 3 months subscription to that bright new bee paper, "The Bee-Keepers' Enterprise" and receive **FREE** the Enterprise Souvenir—a Work of Art

## That will rest Your Eyes.

Burton L. Sage, New Haven, Conn.



## HUBBARD BEE HIVE AND SECTION PRESS.



If you want to handle bees **easy** by sitting down to it, here is the hive.

Frames fixed and variable distance combined. No wrenching or prying or scraping of combs together. Many thousands in use giving excellent satisfaction.

### Live Agents

Make Splendid Profits.

Large Circular of 20 pages free.

This **SECTION PRESS** (Pat'd.) is sold at \$2.50 by



the leading supply dealers. Ask them for it or send to me. A boy can put together 800 to 1000 sections an hour and have them **true**. Bend section around, put in press, give a little push—'tis done. Will last a life-time and is bound to please you.

Send for my Circular about Hive, Press, Foundation Fastener, Sections, Foundation, Italian Queens, Extractors, Veils, Honey Crates and Cases, &c., &c. It will interest you. Or send **15 cents** for Practical Book for Beginners—"First Principles in Bee Culture," 11th thousand and just issued.

**G. K. HUBBARD, Fort Wayne, Ind.**

## TESTED

Queens are usually sold for \$2.00. I will explain why I wish to sell a few at less than that. As most of my readers know, I re-queen my apiary each spring with young

## QUEENS

From the South. This is done to do away with swarming. If done early enough it is usually successful. It will be seen that the queens displaced by these young queens are never more than a year old; in fact, they are fine, tested, Italian queens right in their prime; yet, in order that they may move off quickly, and thus make room for the untested queens, they will be sold for only

**\$1.00.**

Or I will send the **REVIEW** for 1893 and one of these queens for only \$1.75. For \$2.00 I will send the **REVIEW**, the queen and the book "Advanced Bee Culture." If any prefer the young, laying queens from the South, they can have them instead of the tested queens, at the same price. A discount given on large orders for untested queens. Say how many are wanted, and a price will be made,

**W. Z. HUTCHINSON, Flint, Mich.**

## Did You Know

That my 44-page Catalogue is now ready? I have the largest stock of **BEE-KEEPERS' SUPPLIES** in New England at prices

## Way Down.

My brand of XX White thin Foundation, 12 feet to the pound, is the finest in the market—so say my customers.

Just send a postal for **SAMPLE** and prices

## Before you forget it.

My bees having wintered in good shape as my old reliable Strain of Italians always do. I will sell

## 50 Colonies

at a low price to reduce my stock.

Also Nucleus Colonies and Queens to suit the times.

If you need anything in my line, shall be pleased to hear from you and will guarantee you the very best goods at the lowest possible prices. Address,

**Wm. W. Cary, Colrain, Mass.**

Please mention *Bee-Keepers' Enterprise* when writing.



# The American Apiculturist.

(ESTABLISHED IN 1883.)

To celebrate our 10th. anniversary, The Am. Apiculturist will be mailed **THREE MONTHS FREE** to all who send their Address to us on a postal card before June 1893.

THE API. for JUNE will tell the reader how to control swarming, and also give a description of the cheapest, simplest and **MOST PRACTICAL SELF-HIVER** in use.

Our Price-list of Bees and Queens that winter and store lots of honey, sent free to all.

Address **HENRY ALLEY, Wenham, Mass.**

## Pratt's Automatic —OR— Self Hiver.

most satisfactory way is to order a complete Sample, ready to put into a hive; sent to you by mail post paid for **75 cents**.

The Pratt Self Hiver has been tried and is highly recommended by Mr. Root of GLEANINGS, Medina, Ohio, and other prominent bee masters. It can be used on any kind of hive.

Price, —8 frame size— 1 Sample Hiver complete, by mail, 75c 6 Hivers in flat, by express, \$3.00. 12, \$5.00.

When ordering, state the kind of hive you use and give outside dimensions over the frames so I may know what size to cut the escape board. Also state the depth of bee space, both above and below the frames.

Address **E. L. PRATT, Beverly, Mass.**

**FOR ALL KINDS OF BEE-KEEPERS SUPPLIES.**  
ADDRESS **LEAHY MFG. CO. HIGGINSVILLE MO.**

## Bee Hives.

We are furnishing a durable, light hive packed with ground cork, which, for ease of manipulation and securing comb honey in a desirable form, cannot be excelled.

**Snow White Basswood Sections, \$3.25 per M.**

" " Poplar " 3.50 " "

**EXTRA thin foundation, 14 sq. ft. to the lb. 65 cts. per lb. Illustrated Circular Free.**

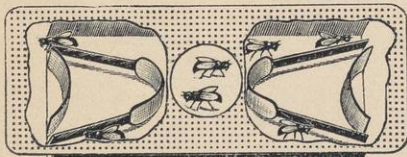
**I. J. STRINGHAM, 105 Park Place, N. Y. City**

## W. B. Weed.

**QUEENS** from cross of pure Italian and pure Albino. Easily got off combs in extracting, nervous but never vicious, gentle, energetic.

Breeder, \$5.00, Tested \$1.50, Untested, .75. 2 untested \$1.25, Virgin, 25c. Satisfaction guaranteed.

**Hartford, Wash. Co. N. Y.**



Price by mail 20 cents each; \$2.25 per doz. Full directions with each escape. Electrotypes furnished to dealers for catalogue free. Write for discount. Address **M. E. HASTINGS, N. Y. MILLS, Oneida Co., N. Y.**

## Hastings Lightning Bee

**ESCAPE.**

**SEND** for sample of Hastings Lightning Bee Escape and you will be convinced that it is the best and most practical escape yet produced. It will clear the supers in a short space of time (from 2 to 4 hours), and is impossible for the bees to clog the passage, as they cannot return. Each Escape guaranteed as represented.



# The Bee-Keepers' Enterprise.

A MONTHLY JOURNAL

Devoted to the Interests of the Honey Producers.

50 CENTS A YEAR.

BURTON L. SAGE, EDITOR & PROP.

VOL. 1.

NEW HAVEN, CONN., MAY 15, 1893.

NO. 1.

## BEEES FOR YOUNG PEOPLE.

MISS LUCY HURLBUT.

"Hail bounteous May! that dost inspire  
Mirth and youth, and warm desire;  
Woods and groves are of thy dressing,  
Hill and dale doth boast thy blessing."

There are a great many reasons why bee-keeping is suitable for young people. In the first place, young people generally like honey because it is sweet, and the best way to get honey is to keep bees.

There is nothing very difficult about keeping bees. Of course, one must have a general knowledge of the nature and habits of bees, hiving swarms, preparing them for winter, feeding them, and numberless other little things, all of which are very interesting.

To learn these things, the best and cheapest way is to take some reliable Bee Journal, read it carefully each month, and note the items of special value. In this way one will very soon obtain sufficient knowledge to enable one to profitably keep an apiary of his own.

In selecting the location for an apiary, choose a place partially secluded from the sun, as this is better for the bees, frames, and all; for if the frames are not wired "Old Sol will take great delight in melting the soft wax, thus causing some labor and trouble.

Here in western New York fifty to seventy-five pounds is considered a good average per swarm; that is, if the season is good.

But there are some seasons when basswood

(our main source for surplus honey) secretes but very little honey, and in such cases bees generally fill up their boxes with buckwheat, which of course will not bring as good a price as the nice white basswood honey.

I would advise every young person who lives in a good locality and has some spare time during the summer months, to keep at least a few swarms of bees. You will be surprised at the amount of pleasure and profit they will yield you.

LINDEN, N. Y.

## Mumm's Visit and

Some of the Trials and Interruptions of  
"Ye Editor."

LIGHT READING, (NOT INTENDED FOR  
DR. MILLER.)

"Why, good morning, Mr. Mumm! How do you do this morning?"

"First rate, thanks. I thought I would come in early this morning and have a little chat with you about the bees before your customers commence to come in."

"That's right, Mr. Mumm. I'm glad you did. Take a seat here by this window where you can see the people run to catch the horse car."

"What a sightly place you have here and see those ladies run for that car!"

"Yes, as our office is on the corner and in the center of the city, it is quite pleasant here. With these two large plate glass win-

dows, one facing each street, we can see about all that goes on."

"What is this you have on your desk?"

"Oh! that's the cover to our new Bee Journal."

"What! another Bee Journal?"

"Yes."

"Don't you think we have about enough Bee Journals now?"

"Well, you know—"

"Oh, good morning, Miss Rawling!"

"Good morning, Mr. Sage! What is to be done to-day?"

"Well, you may set up Miss Hurlbut's letter for the 'Enterprise', and then you may work on the 'High School Directory.'"

"Shall I set this letter in seven point?"

"Yes; thirteen ems measure. Set the heading in seven point 'Cushion' "

"What I was going to say, Mr. Mumm, is that there is always room for one more. If you don't believe it look at the people pile on that car over there on the bridge."

"Well, well, I should say so! Do all those people expect to get on that car?"

"Why yes, certainly. Don't you see those ladies hanging—"

"Matches?"

"No, my boy, I have plenty."

"Two-fer-five!"

"No!"

"Three-fer-five."

"No, not to-day!!"

"Five-fer-nothings."

"No, I don't want any."

"Here! I gives you von dozens boxes!"

"Well, that boy is bound to dispose of his matches. Does he really mean to give you those?"

"Not much! He will come back for them after he has bothered the life out of the man in the next room."

"About those ladies hanging on the platform of that car—it reminds me of the bees hanging out of a hive."

"Where are all those people going?"

"Oh! you see it is picnic season now and most of those people are bound for Pawson Park and Glen Island."

"Good morning, Mr. Sage."

"Good morning, sir."

"Where is the gas engine that McKenzie & McArthur are turning the crank for?"

"Oh, right here! I wish you would tell

them to hurry it right through for we want to use the engine."

"All right, we will have it done this afternoon."

"What! Got another breakdown?"

"Yes, the shaft of our engine broke and I have been three days trying to get those people to fix it."

"'Mornin', Mister. A man told me to leave this box somewhere. I don't know if it is this room or 13."

"Oh, next room, I guess."

"He's a young man not very old."

"Yes, that's the place."

"All right. Much obliged."

"Well, I see you are busy, Mr. Sage, so I will go. Good morning."

"Good morning, Mr. Mumm."

#### CARING FOR POOR SWARMS.

**Destroy Queenless Swarms When There are but Few Worker Bees—How to Manage and Build Up a Small Swarm.**

BY MRS. L. HARRISON.

A. D., Webster, Ill., writes: What is the matter with my colony of bees? There are plenty of them around the entrance at all times, yet they never appear to work at all.

Light your smoker and we will take a look at them. Before opening the hive, I will tell you what I expect to find. Those bees around the entrance are all there are in the hive.

But puff a little smoke in at the opening, take off the cover, and look down among the combs. You see that there are few bees.

There is plenty of honey, however, which we will lift out into a clean hive, and remove to a place safe from robbers. The hive has been a long time queenless. Put in a division board, and leave them one comb of honey for humanity's sake. Formerly I gave such colonies combs containing eggs, larvæ and young brood, with the following result: When I opened the hive I would discover that the eggs had disappeared, and no queen cells had been started. If I gave them another comb, a like result would follow. These fresh eggs would not have tempted the workers, had there been nurses to care for the young larvæ.

When a sufficient number of young bees had emerged from the cells, to serve as nurses, the eggs would be cared for and queen cells built. Much brood was wasted, and I concluded there would be more bees at swarming time, if this brood had been allow-



ed to mature in the colonies where it belonged, besides the time and work spent in removing it.—Here we find another hive which is full and running over with bees, and we know from appearances that it has a queen and plenty of stores. If we had tried to save the other colony, we would have had to take eggs and brood from this. It seldom pays in bee management, to “rob Peter to pay Paul.”

All the money that there is in bee keeping, is obtained from just such strong colonies, and the more you have of them the better.

If the strong one had divided its stores and bees with the poor one, there would have been two colonies, but no income from either.

If the owner estimates his wealth by the number of colonies, he might feel richer, but what would his harvest be? Now we will remove the comb. Look at it and note the peculiar appearance of the brood.

Scattered around here and there, are cells built up high in the worker comb. A bee is coming out of a cell; it is a drone. A drone-laying queen is one which has never mated; she may lay the same as one which has, but her progeny will all be drones. When a colony has been a long time queenless, some of the workers aspire to maternity, and lay eggs which also produce drones only. There is very little difference in these two kinds of drone layers. A drone-laying queen can be discovered and removed, as she looks like a queen. The laying workers are more difficult to manage, as they look just like other workers and there may be one or many in a hive.

If a queen is introduced, she will be destroyed. A queen cell will be respected, and allowed to mature, and the young queen will not be molested until she has mated and commenced laying, when the laying workers will destroy her. Where there are only a few worker bees, the best thing to do is to break up the colony and give the combs to the first swarm that issues.

Here is another hive; once in a great while, a bee loaded with pollen enters. On opening, one side appears to have many dead bees between the combs. The combs have no honey in them and I should judge from appearances that during a cold spell the cluster was divided, as there still appears to be a little sealed honey where the live bees are. Lift out the combs containing brood and bees into a clean hive, as the bees are too few to carry out their dead

and other debris. At night bring the hive containing those few bees, and set it on this hive and when the bees have located put them together. Here is a black swarm that is very strong and I would not let them swarm; as it has a fine Italian queen I would take brood from it and give to the small one as fast as it can bear it; give one comb, then when the bees are out give another, thus building this one up and at the same time keeping the other from swarming.

—Orange Judd Farmer.

## REPORT OF CONNECTICUT BEE-KEEPERS ASSOCIATION.

MRS. W. E. RILEY, SEC.

The Conn. Bee-keepers' Association held their second annual meeting May 2, at the Capitol in Hartford.

The subjects presented for discussion were:—How to get bees in shape for the clover honey flow, the cause of spring dwindling and the remedy. Wax. How to handle bees when there is no honey coming in with as little risk as possible of being stung. How can exhibits of honey and bee appliances at fairs be managed to advance the interest of bee culture?

The discussions were informal and lively and the bee-keepers of long standing gave practical lessons from their experiences and many ideas new to the unskilled were advanced, which, if taken in and applied, would help them over the hard places and advance them on the road to successful bee-culture.

Most of the members brought something to exhibit, such as sections, frames, drone-traps or self-hivers, moth-traps, books of instruction, foundation, etc., all of which added to the interest of the meeting.

The afternoon session of the convention was mostly occupied by the election of officers, the following named persons being elected:—for President, Geo. H. Yale of Wallingford; Vice-Presidents, E. Turner of Hazardville, and Miss Helen L. Johnson of Middle Haddam; Secretary, Mrs. W. E. Riley, Waterbury; Treasurer, Porter L. Wood, Waterbury; Executive Committee, Chas. H. Chittenden of Killingworth, Miss Helen L. Johnson, and John B. Tucker of Wallingford.

A bee journal will supply a much-needed want in our state. Many of the articles in the—are not applicable to our climate, and the inexperienced hunts in vain for some instruction about wintering bees or spring management, while he wishes somebody would tell him just what to do with Connecticut bees.

We wish you all success in your new “Enterprise.”



## Bee-Keepers' Enterprise.

PUBLISHED MONTHLY.

BURTON L. SAGE, ED. & PROP.

TERMS:—50 cents a year in advance. Two copies, 90 cents; five for \$1.75; ten or more, 30 cents each. If it is desired to have the ENTERPRISE stopped at the expiration of the time paid for, please say so when subscribing, otherwise it will be continued.

NEW HAVEN, CONN. MAY 15, 1893.

R. L. Taylor in *Gleanings* thinks Self Hivers too expensive for general use, and prefers to have the swarms hived in the old way.

Reports in *Gleanings* in regard to sealed covers for wintering bees are not very encouraging.

We thank you all very kindly, friends, for your good wishes. Now for the next course, let us have wishes seasoned with fifty centes

MORAL:—Send in your subscriptions.

We regret very much that, owing to the continued ill health of father Langstroth, the Reminiscences are to be discontinued in *Gleanings* for the present.

F. W. Humphrey of Oranogue, Conn. not only sent in his subscription "sight unseen", but very kindly sent us a list of names of fifteen neighboring bee-keepers. This kind of faith does a young editor good.

By the way, friend Humphrey's attention was first called to us by the following notice which appeared in *Gleanings* of April 15th.

"The *Bee-keepers' Enterprise* is the title of a new monthly, to be issued May 15th, by Burton L. Sage, who is to be its editor and proprietor, at New Haven, Conn. If we can judge anything by the prospectus sent out, it is going to rival in appearance any of the bee journals now published."

Bro. Leahy of the *Progressive* has come out with a brand fired new cover, and it is a beauty, too. After Bro. Leahy gets over the rush in the supply business and his back gets rested a little, Bro. Hutchinson and the ENTERPRISE will have to step around lively to keep our end up with him.

The *Weekly Clippings* is a newsy little paper published every Wednesday at Titusville, Pa., at 50 cents per year, with H. M. Jennings, Publisher, and H. E. Hill, Editor. Besides giving all the news it has a well edited Bee and Poultry department. From the May 3rd. issue we clip the following.—

"The *Bee-keepers' Enterprise* is the name of a new bee-paper to be launched upon the turbulent waves sometime during the present month. We wish it success."

We have received a sample of this season's honey from friend Clayton of California, which to our taste is perfection. We gave our little sixteen months old "Blue Eyes" a taste and she smacked her lips and said "Goodie."

Here is what friend Clayton has to say about his honey crop.

Lang, Cal., May 4th, 1893.

Burton L. Sage, New Haven.

Dear Sir:—

I send by to-day's mail small sample of my honey crop of '93. Have just shipped to market about 4000 pounds like sample. Will have about 10 tons, besides several hundred pounds of comb honey.

Yours, C. H. Clayton.

The *American Bee Journal* has this to say.—

"The *Bee-keepers' Enterprise* is the name of a new bee-paper to be first issued on May 15th, by Mr. Burton L. Sage, of Connecticut. In his advance notice, Mr. Sage says it "will contain not less than 12 pages and cover; same size, and much after the same style of the *Review*."

We wish the new paper all the success its publisher may hope for, but really he must be an *enterprising* man who can venture to now start a new periodical devoted to bee-culture in view of the numerous poor seasons of the past few years, but let us all continue to hope that those unprofitable years may indeed be *past*, and that the immediate *future* may have in store such unusual prosperity for both producers and publishers, as shall fully compensate for the trying times which all have been compelled to endure."

Just as we close this last form it occurs to us that we haven't filled a whole page of glowing promises of what we are going to do. Well, it is too late now, so perhaps we had better wait until we reach Vol. 2. Then no doubt we will know more about running a bee-paper.



Friend Hasty in the *Review* has this to say about bee papers in general, and the *Bee-keepers' Guide* in particular.

"When a new bee-paper is born the old established ones can well afford to be polite in speech towards it (soon die any way, you know) but if it forgets to die, and refuses to be reminded of that interesting duty, it may have thick slices of pretty cold shoulder to feed on for many years.

It looks rather sad to me that such steady, patient merit and perseverance as the *Guide* has shown for sixteen years should have realized no more than it has toward making it a good paying piece of property. 'Pears like I have noticed, for say a year back, that the leading papers carry a little more sister-like air toward it, as if they thought so too—as if they would say, "Sister *Guide*, you don't die worth a cent, come in out of the snow, and sit in the sitting-room a spell."

Friend Hasty in the *Review* finds by actual count that the eight *Bee Journals* placed before their readers for January 179,080 words on bee-keeping and 26,720 on other matters, making a total of 205,800.

In his review of current bee writings he says, "Let us for the moment inspect the actual amount of 'gold and silver, wood, hay and stubble' set before us."

From this vast amount of words he reprinted just 164. According to this "gold" must be very scarce among bee writers, or else friend Hasty isn't allowed room enough for his review.

Mr. E. O. Curtis of Stratford, Conn. did our office the honor to call on us several days ago. Mr. Curtis is not only well posted on bees and bee-writers, but is a scholar and a gentleman, for he left a dollar on our desk for the *ENTERPRISE* and Bro. Hutchinson's book "Advanced Bee-Culture."

Whenever you see a business house spring almost by magic from a small beginning to a large manufacturing plant, you may make up your mind that there is a man pushing it that is not only conscientious, but has a firm hold of a "kind Providence." Such a man, we believe, is behind the Leahy Mfg. Co. To verify our statement, we copy the following from the *Progressive*:—

"For the last four years we have sold about double as many supplies as we did the previous year. We do not know what the outcome will be this year, but up to date we have held our own, taking last year for a basis, with a very bright outlook for the future. When we consider that most of the other large factories have been shut down from two to four months, with expensive machinery lying idle and their employees thrown out of work, we feel that the hand of a "kind Providence" has been leading us; and to show our appreciation of this prosperity we have raised the wages of the factory hands from fifteen to twenty-five per cent over what we formerly paid them, so that they can rejoice with us. For, are we not "brothers in the sight of God," and should we not share his blessings alike?"

The first shipment of bees came to California in 1854. Of the first lot of twelve colonies that were imported, only one survived. This was taken to San Jose, and threw off three swarms the first season which were sold for over \$100 each. So says Rambler in *Gleanings*.

## Foundation

SIX CENTS A POUND

less than formerly, also other Bee Supplies at lowest rates. Send for Illustrated Catalogue and price-list and a copy of **THE AMERICAN BEE-KEEPER**.

THE W. T. FALCONER MFG. CO.  
(Established 13 years.) Jamestown, N. Y.

## The Progressive Bee = Keeper

Has Changed Hands. It is now Published by the  
**LEAHY MANUFACTURING CO.,**

**Higginsville, Mo.**

Money, Experience and Enterprise will not be lacking to make it all that its name indicates. Send for Free Samples and Copy of 28-page Catalogue of Apiarian Supplies.



## Gleanings from our Neighbours' Wheat Fields

### THE END NOT YET.

REVIEW, A LA LANGDON.

I am astonished that some of our *head-lights* should think and say that bee-keeping has reached the climax of perfection, or "reached the end of the rope." Why, last year came self-hivers, and next will come non-swarmering without extra work, and with more and a better quality of honey, THIS I KNOW TO BE A FACT. Watch for it.

### CHAMPION ROBBERS.

GLEANINGS, A LA HUMPHREY.

I have some bees—black, hybrid, and Italian, that are the champion robbers. Not only will they rob a hive with "neatness and despatch," if they get a chance, but will try to rob their sisters of pollen. I fed them some meal a few days ago, which they took eagerly. Noticing some bees that seemed to be fighting, I looked closely and saw that a good many bees were alighting on the backs of those which had secured loads of pollen, and were biting or trying to bite off pieces of the load.

Winter loss in this section of Connecticut is light. I have lost but 6 per cent so far.

While working with my bees last week I saw a mouse run from a hive, covered with bees. It went perhaps a rod, then stopped, kicked a little, and died. There were over 50 stings in it.

### WOMEN SHOULD TRY RAISING VIOLETS.

BROOKLYN EAGLE.

Such has been the rage for violets this season that the wholesale dealers have hardly been able to supply the retailers, who have paid as high as \$1.75 a hundred for them through Lent and have paid since at times a penny apiece. Just before Easter one florist sold 3,000 bunches in a single day. It seems to me there is a suggestion in these facts for some refined, capable woman, who would like to add to her income.

Ask any gardener, and he will tell you violets are easily raised; that the forcing of them in frames through the winter is not at

all difficult, and if one can carry the same direct to the retailer during the busy season a big profit is assured. What one can do another may attempt, and it is certain that this season a certain clerk living in the suburbs brought into the city every morning freshly picked bunches of violets which greatly increased his income.

### RED CLOVER.

PROGRESSIVE, A LA ROUSE.

The keeping of Italian bees is helping the red clover industry, as they can work on it. There is no reason why there should not be seed in the first crop, as we defy anyone to undertake to raise either red or white clover without the aid of honey bees or bumble bees.

## Why Our Camp!

A change of Administration in Chicago has caused a change in Building Commissioners. The retiring Commissioner has spent the last two or three weeks, however, in having his Inspectors make a thorough inspection of all the buildings in the World's Fair District, that is, of those which have not blown down or burned. Summing it all up, Commissioner O'Neill says that the buildings were found in very good shape, but he adds: "They are all fire-traps, however." This is just what the ORANGE JUDD FARMER has stated from the very beginning, and is one of the main reasons for the establishment of the ORANGE JUDD FARMER World's Fair Camp. It provides for readers of this paper, and their friends, or any one else for that matter, a *cheap* lodging place, *convenient* to the grounds, *well-managed* and above all *SAFE FROM FIRE*. We are very much pleased to note the many expressions of commendation of our Camp which have been received from many readers, and want to urge all who intend to come to the World's Fair to live at our Camp. The reputation of the ORANGE JUDD FARMER is such that we can not do otherwise than treat our readers fairly. Announcement of the Camp privileges, prices, etc., is sent on application, and we will take pleasure in sending circulars to all who may desire them.—ORANGE JUDD FARMER,

358 Dearborn Street, Chicago, Ill.



**TIMELY TOPICS.**

REVIEW, A LA TAYLOR.

If all things were at all times favorable, turning out as we would be likely to wish them to, if there were no obstacles to overcome and no dangers or evils to guard against, how small would be the encouragement to the prudent and energetic. The careless and indolent could not be excelled by the active and vigilant, but all would be alike successful, and attention and prudence would no longer be at a premium.

....Always carry and use a light seat fitted to hold the necessary tools, fuel for the smoker, the pieces of wax gathered, queen cages, etc.

**TO CLEANSE COMBS AND HIVES.**

AM. API.

Doubtless many of the readers of the API lost more or less bees the past winter. All desire to preserve the combs for future use in forming colonies.

The proper way to treat such combs and hives is to cleanse them of all dead bees and place the hives and combs in a warm room for a few days to thoroughly dry out all moisture and remove by evaporation all unpleasant odors. When this has been done, place them in a cool, but dry room. If packed away in a warm room the moths would most likely badly injure the combs before they could be used.

**BEE ESCAPES.**

REVIEW, A LA AIKEN.

Give me an escape that makes the bees feel that they are completely separated; that will allow and favor the passage of 10 to 15,000 bees per hour when they are *anxious to get out*, that will *keep* them out when they are out and I will go out in the country in the morning with escapes, put them under extracting chambers before noon, and load the same chambers on the wagon and bring them home in the evening with but few bees—perhaps some of the tender ones—in them.

Now who will give us such an escape for this year's use? 1893 will show many improvements in appliances. Shall not the escape be one of them?

**TIME TO TRANSFER.**

AM. API.

Someone desires to be informed as to the best time to transfer bees from box-hives to frame-hives. I have found that the best time to transfer is just before bees commence to gather honey. After new honey has been stored in the combs, transferring is a pretty sticky job.

**INTRODUCING.**

AM. API.

It is unwise to introduce queens early in the spring, or at any time in fact, before the close of the honey season. I need not detail the effects upon a colony that is meddled with when a queen is introduced at the beginning of the season.

**CALIFORNIA.**

REVIEW, A LA RAMBLER.

Although there is much comb honey produced in California, the State and the Pacific coast may be termed a *greater* producer of extracted honey, and all of the improvements of the times, it seems to me, point in the direction of another radical improvement in the near future.

The queen excluder, and the bee escape, shorten the road and cheapen the labor of production, and point out the way for the other improvement that will complete the series. That improvement will be a standard, all-round-hive, equally adapted to comb and extracted honey, and will admit of easy and rapid manipulation.

**A POUND OF BEES.**

AM. API.

A pound of bees and a strong, vigorous queen placed in a hive the bees had died in the previous winter, will, in eight weeks time fill any eight-frame hive solid full of bees. Do this in June and you'll have colonies in the best of condition to gather the fall crop of honey.

**HIVER.**

REVIEW, A LA DIBBERN.

I deem the hiver of paramount importance in modern apiculture, not excepting the invention of the movable frame, and believe that any one able to add anything to make this important invention the perfect success that it soon promises to be, will confer a boon on the pursuit.



### Hastings Lightning Bee-Escape.

M. E. HASTINGS.

As promised some time ago I send you an electrotype of my "Lightning Bee Escape", which has met with such remarkable success since it was first introduced. You will readily see from the construction that it will work very rapidly; in fact, after a thorough test side by side with other escapes it will clear the super quicker than any other. I have in the lightning escape overcome the difficulties arising from the bees returning and clogging the passage as found in other escapes, (which, by the way, led me to invent the Lightning Bee Escape) as the end walls together with the sides form the openings through which the bees pass out, and also prevents them from getting behind the spring and crowding against them which would naturally close up the entrance, by simply placing a suitable board with bee space top and bottom, having an escape in the centre (as explained in printed directions which accompany each escape) between the space and the hive. The escape will do the work most dreaded, that of taking the surplus honey, without the taint of smoke, or the cappings injured, leaving the honey in perfect condition for market. No bee-keeper can afford to harvest his honey without bee escapes as they save time and prevent robbing, for the honey is removed without disturbing the bees. It has been thoroughly tested, is no experiment and is indispensable to a bee-keeper. One escape will clear the super, in from 2 to 4 hours time. One case was cleaned of bees in 1 hour and 43 minutes.

NEW YORK MILLS, N. Y.

March 3, '93.

### DRONE BEES.

GEORGE APPLETON.

The prodigality of nature is shown in the bee world in the overproduction of drones. Briefly, the office of the drone is to fertilize the queen. The virgin queen leaves the hive, meets the drone in the air, and then returns to the hive, not leaving it again until she leads out a new colony, and possibly she may never leave the hive again during her life of four or five years. It may be seen then, that if the colony does not swarm during the season, only one drone is required. If it does swarm and another queen is produced, only two drones in a season can be of any use to the colony in question. And it might happen that not one drone in the colony

would be used to fertilize the queen or queens in the same hive, for the queen in her flight might not meet one of her own drones, but one at a distance in another colony.

A colony of Italians was allowed to raise as many drones as it pleased, in order that there might be less danger of the queen meeting a foreign drone. Probably the colony raised a thousand drones, and it was supposed that the progeny of a valuable queen would meet one of these in her flight. About two miles away were some common black bees, and the new queen missed all her own drones and mated with a black drone. Her progeny were all hybrids. In this colony, then, the work of raising drones was wasted, as far as its own queen was concerned, although some of these drones might have fertilized other queens. The drones in question feeding on good honey, much too good for them, were given a dose of insect-powder.

A drone is the most helpless of insects. He has no weapon of defence (no sting), and he is incapable of getting his own living. He can eat, but owing to lack of tongue, or the right kind of a tongue, he can gather no honey.

The only explanation of the great waste of drones on the part of the bees, is that the bees run no risks, and overshoot the mark to be on the safe side. If a colony of bees loses a queen, it loses its life; every member must die unless the queen left eggs. From the eggs may come another queen, but if there be no drones or one drone in the hive, or if the queens in her flight does not meet a drone from some other colony, then the colony is no better off than it was without a queen, for the queen unfertilized is of no value. Therefore the instinct of self-preservation must be the cause of raising a great crop of drones. When the swarming season approaches, indeed, up to July or August, or as long as the honey comes in, the bees build drone cells and raise drones in great quality if unmolested.

In the modern apiary it is easy to control the drone raising. Drone comb may be cut out as fast as made, and the drones already hatched may be caught in the trap. The solicitude of the workers for the drones is amusing. Judging by appearances, the drone has authority to stop an incoming bee on the alighting-board and demand his honey; he gets it. The worker at once presents his tongue to the mouth of the drone, and using it as a hose, pumps his half drop of honey into the mouth of the drone. If drones be confined in a wire-cloth cage, the workers will feed them by thrusting their tongues through the cloth.—*Farm & Fireside*.



## Merry Times for Girls and Boys.

This department is to be conducted by MISS LAURA DAVIDSON, Evart, Oscoda Co., Mich. to whom all communications intended for same should be addressed.

### SOME OF THE MAIL.

*The following letters are taken from the Detroit Free Press of Detroit, Mich., but we hope that our young friends will see that Miss Davidson is supplied with original letters for our next issue.*

As my brother and uncle both take The Detroit Free Press I can join the Merry Timers. I am 10 years old and small for my age. I live with my uncle. My father is dead. I am in the fourth grade at school and like my teacher very much.

West Point, Miss. FANNIE DUGAN.

Dear editor and Merry Timers, this is my first letter to the Merry Times. I enjoy the stories very much. I am 10 years old and live near the sea-coast. I love to go fishing, especially for big fish, because you have such work pulling them up out of the water. I have never caught a fresh water fish in my life. I go to the grammar school. I am reading books all the time. Dickens' books I like best. Oliver Twist is my favorite. I, like most boys, am fond of stories of adventures. You could hunt the world over and not find a prettier cat than I've got.

New Castle, N. H. GUSSIE WARREN.

I am a girl 10 years of age. I have a cousin named Owen. He lives with us. I would like to see the Merry Times editor very much. I have read every one of the Merry Times letters. I like them very well. M. T. C. My grandfather takes The Detroit Free Press.

Box 19, Palo, Ionia Co., Mich. LIZZIE RICH.

Dear editor and Merry Timers, I think I am entitled to a Merry Times membership, as my grandmother takes The Free Press. I am 12 years old and weigh eighty-five pounds. I live two and one-half miles from Otisville, on a farm of eighty acres. My father owns the fastest horse in Genesee County. Of all the stories I like "How Cassie Played Monkey" and "Toot Begins the New Year Right" best. I would like to correspond with some of the Merry Timers about my age.

Otisville, Genesee Co., Mich. PEARLIE ROOT.

I am a girl nine years old. My papa takes The Detroit Free Press and thinks it as good as any he takes, and I like the Merry Times best of all. I have no brothers or sisters. I help my papa do chores every day. We have five horses and two cows. I ride horse back in warm weather. I have a dog, three cats and a bird.

Leisure, Mich. LAURA BAILEY.

I wrote a letter to the Merry Times once but the letter was written on both sides of the paper, and was cross-lined, so of course it was not put in. Is Toot a real person? I like Toot's mistakes, anyway. I think Galveston must be a lovely place from the description Lardy Dah gives it. I never knew before Galveston was on an island. I wonder if any Merry Timer ever draws the head of a woman, then passes it on to another person who draws the waist; and passes it to another who draws the skirt. I like "Voted a Knight." Well, I have nothing more to say, except that Saginaw exports lumber and salt.

Saginaw, E. S., Mich. BESSIE BRANT.  
Age, 12 yrs., 1 mo.

We will ask Miss Bessie G. Hart about Toot.

### A Broom Speculation.

A tall lank Yankee, seated upon a load of brooms, drove his team up before the door of an establishment where he expected to find a purchaser. Jumping from his seat he entered the store and the following colloquy took place:

Yankee—Can't I sell you a load of brooms today, mister?

Dealer—No; don't want any.

Yankee—Better take 'em—sell 'em dog cheap.

Dealer—Don't want 'em; got enough brooms.

Yankee—I'll tell you what I'll do. If you'll take the lot I'll let 'em go for one dollar a dozen. You know they're worth double that.

The dealer stroked his chin for a moment, as if in deep thought, and then replied:

"Well, I don't want any brooms, as I told you, but I don't mind making a trade with you."

Yankee—What sort of a trade?

Dealer—Well, I'll take your whole load at one dollar a dozen and pay you one-half cash, you to take the other half in trade.

Yankee—No you don't mister! You'll charge me such an all-fired profit on the other half that I might come out at the little end of the horn.

Dealer—Oh, no; I promise you that you shall have the goods just at what they cost me.

Yankee—Wall, mister, that's what I call square dealin. It's a bargain.

And he commenced to unload the brooms in a pile on the sidewalk. When he got through he walked into the store.

"There you are, mister; fourteen dozen, which I calculate makes just seven dollars comin to me."

Dealer—Yes, that's right; there's the money. Now what goods do you want for the other seven dollars?

Yankee—Wall, I dunno. You see mister, I hain't much posted in your other truck, so I guess I'll take brooms.

—House Furnishing Review.

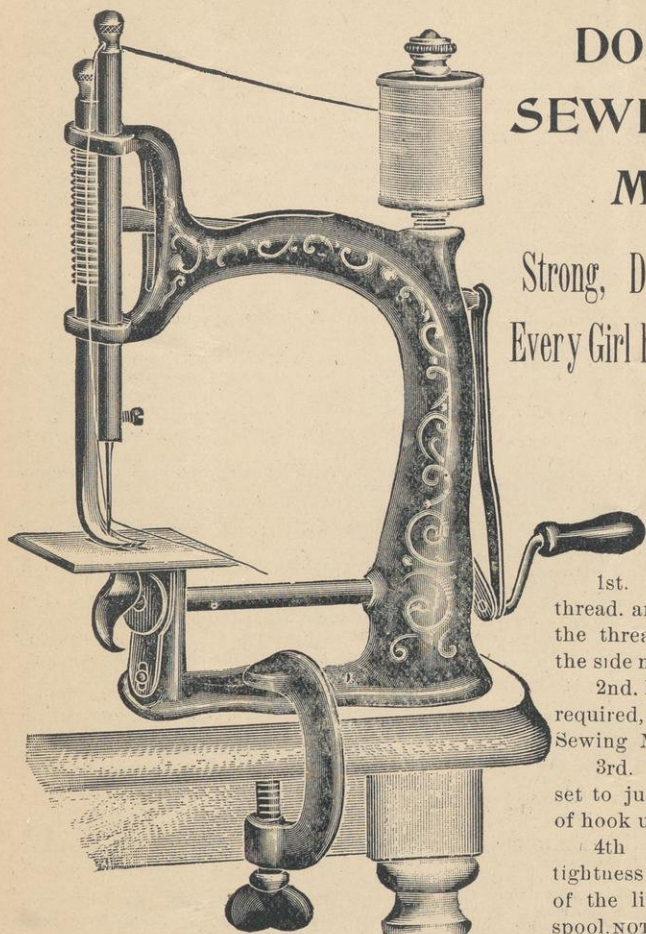


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## DOLLAR SEWING MACHINE,

Strong, Durable, Practical.  
Every Girl her own Dolls' Dress  
Maker.

(Patent applied for)



### DIRECTIONS

1st. Use No. 50, unglazed thread, and set the spool so that the thread will unwind from the side nearest the operator.

2nd. If a new needle be required, use a Wilcox & Gibbs' Sewing Machine Needle No. 2.

3rd. See that the needle is set to just clear the flat side of hook under the feed plate.

4th Adjust the tension or tightness of thread, by means of the little nut on top of the spool. NOTE: The TENSION is an

important matter in all sewing machines. It should be neither too tight nor too loose, and can only be ascertained by considering the weight and texture of the material which is being sewed. 5th. If the machine works stiffly a little machine oil may be used to advantage on the joints or bearings.

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No Expense has been spared to make this the most valuable Collection ever offered—not cheap seeds—but best selected from finest strains: Every successful Gardener knows the intrinsic value of such seeds—offered at a low price solely to win New Customers.

**15 VARIETIES** of the finest **WATERMELONS** Comprising the largest, earliest, sweetest and best in cultivation, including all the following: Cuban Queen, New Dixie, Extra Early, Kolb Gem, Green and Gold, White Gem, Honey, Christmas, Vick's Early, Mam'th Ironclad, Pride of Georgia, etc., etc.  
In separate packets these seeds would cost more than \$1.00. All are **VERY CHOICE**, grown separate and carefully mixed. Full directions on every packet—giving best methods of planting, cultivating, etc., to obtain the best results.

**GOLDEN HUSK-TOMATO.** This remarkable tomato is unequalled for pies, preserves, tomato figs, etc.,—is enormously productive, and will keep in the husks all winter. Many consider them equal to the strawberry to eat out of hand  
"Headquarters" Seed, Pkt. 10c.

**VEGETABLE PEACH.** This beautiful vegetable—first introduced by me—is exact color, shape, and size of a large orange; fine for mangoes, preserves; excel ent fried; and make the most delicious sweet pickle ever used. Directions for planting, also for use of fruit etc. on every packet. Pkt. 10c.

**MIXED FLOWER SEEDS.** A superb collection of the most brilliant and beautiful flowers—all the old favorites, and hundreds of new ones in one large package. A bed of these "Garden Treasures"—comprising over 300 varieties, will be a source of constant delight the entire season. Pkt. 15c.

**CINNAMON VINE.** A beautiful, rapid and charming climber, forming a canopy of bright green leaves and delicate white flowers, with most delightful cinnamon odor. Very popular, and most easily grown.—your arbor, window, and veranda will be incomplete without this hardy climber. 6 bulbs 25c.

**TOMATOES.** 15 Varieties. All the largest, newest, earliest and best. Every seed my own growing and most carefully selected—and carefully mixed. [In separate packets would cost at least \$1.00] Pkt. 15c.

**CHARTIER RADISH.** New; early, handsome, and of the finest quality; a great acquisition. Pkt. 5c.

**VARIEGATED POP CORN.** This new variety, first introduced by me, is beyond all doubt or question the handsomest Pop Corn ever seen; very early, immensely productive, and a splendid popper. Plant it for your Children and Chickens plant it for market, plant it for your fair. Pkt. 15c.

**SUNFLOWER.** Giant Varieties. 5 of the largest and best sorts mixed—ALL REAL PRIZETAKERS; give them a fair chance—astonish your friends—carry off first prize at your fair—and have a profitable supply of unexcelled egg-producing food for your poultry. Pkt. 10c.

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**CHOICE NOVELTIES.** Each box will also contain several grand Novelties in Vegetable and Flower seeds, of great value to every farmer and gardener. [These may be worth dollars to you.]

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Please show this to your friends, that they also may be benefited by getting a box at less than half its real value.

~~~~~  
If the entire Premium Box is not wanted, I will mail one or more of above packets (or the bulbs) on receipt of price.  
~~~~~

Address, **BURTON L. SAGE,**

**New Haven, Conn.**



# Advanced Bee-Culture

Its Methods and Management.

By W. Z. HUTCHINSON.

IS a book of nearly 100 pages that begins with The Care of Bees in Winter, and then tells how they ought to be cared for in the spring in order to secure the workers in time for the harvest. Then Hives and Their Characteristics, Honey Boards, Sections, Supers, and Separators are discussed. The Best Methods of Arranging Hives and Buildings and Shading the Bees are described. Varieties of Bees, Introducing Queens and Planting for Honey are next given a chapter each. Then the Hiving of Bees, Increase, Its Management and Control, and Contraction of the Brood Nest are duly considered; after which Comb Foundation, Foul Brood, Queen Rearing, the Raising of Good Extracted Honey, and "Feeding Back" are taken up. After the honey is raised, then its Preparation for the Market, and Marketing are discussed. Then Migratory Bee-Keeping, Out-Apiaries, and Apiarian Exhibits at Fairs are each given a chapter. After this comes the question of Wintering, which is discussed in all its phases. The Influence of Food, Ventilation, Moisture, Temperature, Protection, etc., etc., are all touched upon. There are also chapters upon Specialty versus Mixed Bee-Keeping, Comforts and Conveniences of the Apiary, Mistakes in Bee-Keeping, etc., etc.,—32 chapters in all.

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BURTON L. SAGE, = New Haven, Conn.