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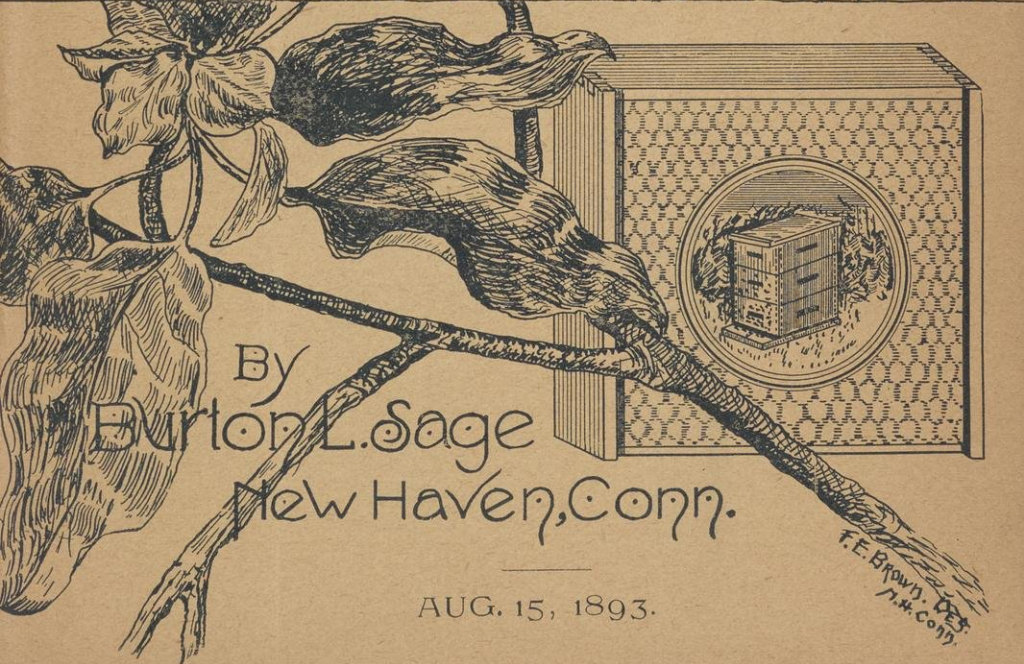
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THE BEE KEEPERS'
Enterprise
Published Monthly



By
Burton L. Sage
New Haven, Conn.

AUG. 15, 1893.

ORANGE THE JUDD FARMER

WEEKLY \$1.00 A YEAR.

Founded by the late ORANGE JUDD, and now Edited by his Son

JAMES STRONG JUDD,

— And Many Practical Men and Women. —



Has always been acknowledged to be the *best* Farm and Home Weekly Journal in the United States. — Fourteen Departments, covering the entire Home and Farm, under the direct supervision of as many Special Practical Editors and Editresses, aided by a large number of Special Writers on all Topics. — Better Illustrated than any other Weekly Journal of its kind in the country.

Knowing that the large rural class wants special accommodations at the coming World's Fair, we have made arrangements by renting nearly Six Acres of land covered with beautiful shade trees, just South of the World's Fair Grounds. — Easily walked or only three blocks from the Bryn Mawr Station on the Illinois Central R. R., going direct to the grounds for a 5 cent fare.

THIS WILL BE KNOWN AS THE

Orange Judd Farmer World's Fair Camp.

The Best Tenting Accommodations near the Grounds—A Choice (1) of a Cot in a Practically Water-Proof Tent on a Board Floor—(2) Of Tenting Ground only if You have your Own Tent.—(3) Of Lodging Under Cover in the Annex, or (4) Lodging in a Room in the House.

OPENS MAY 1ST, 1893 -- CLOSES NOV. 1ST, 1893.

IT IS CHEAP.—not more than half as expensive as the cheapest hotels.

IT IS SAFE FROM FIRE, which can not be said of but very few of the large number of the cheap hotels, two or three of which have already been condemned by Chicago building inspectors

IT IS HEALTHY. While a number will be lodged in buildings, the majority will be in tents, and better drainage and sanitary conditions will be possible than in the ordinary World's Fair Hotels.—Many of the latter have no water connections, and consequently unsanitary closets,

LODGING ACCOMMODATIONS.

We have secured over five acres of ground. On it is a two-story frame House with attic—nicely painted and furnished. Also a Shed (which will probably be used by us as a Baggage Room), and a Nice Barn, which will be fixed up and cleaned, and be called (for aesthetic reasons) "The Annex."—Four kinds of accommodations are offered:

1.—TENTS SUPPLIED BY US.—We expect that the larger portion of those availing themselves of our Camp Grounds will find lodging in the tents. We propose to have a large number of 10 or 12 duck tents which we consider perfectly water-proof. They will be on Board Floors and provided with single cots, not to exceed *four* in each tent. Those using these tents will bring their *own* bed clothes and pillows. Our charge for a cot in tent on board floor is \$3.00 per week for each person, or \$3.25 per week including a year's subscription to the ORANGE JUDD FARMER.

2.—CAMPING GROUND ONLY.—For those who furnish their own tents we will furnish camping ground only (without floor or cots) at the rate of \$2.00 per week for a 10x2 tent, or \$2.25 including a year's subscription to the O. J. FARMER. This \$2.00 per week is for one person; for each additional person, add \$1.00 per week. This \$1.00 for each additional person is for Camp privileges.

3.—THE ANNEX. a good-sized two-story building, is to be fitted up with substantial cots with bed clothes and pillow on each. There is no division into rooms in this building, but we expect to give all of one floor, *solely to women* if the demand warrants. For such a cot (or bed), with bed clothing furnished, we charge \$4.00 per week, or \$4.25 per week, including a year's subscription to the ORANGE JUDD FARMER.

4.—HOUSE LODGING.—The Camp Manager will occupy a portion of the House. The remainder will be equipped with bedsteads, supplied with pillows, mattresses, bed clothes, etc., and where space permits, probably two double beds in a room. This will not be more crowded than the many hotels, and as the house will be in charge of a *competent housekeeper*, the house lodging will be far preferable to ordinary hotel accommodations. For this we will charge \$7.00 per week for each person, or \$7.25 per week including a year's subscription to the ORANGE JUDD FARMER.

FOR CHILDREN under 12 years of age we will make no extra charge provided they do not use a separate cot or bed. Perhaps two can be placed in the same cot, paying for one.

COUPONS SHOULD BE SECURED NOW.

In order that all may be provided for, we would advise to secure accommodations at as early a day as possible. The coupons will be issued for any one of the four classes of accommodations noted above on payment of the price noted, each coupon good for a certain specified week (from Monday to Monday). By securing these now you may be sure of lodging. If you wait until the last moment you may find that there is no room for you, as we must of necessity limit the number availing themselves of our Camp in any week so that proper sanitary regulations may be observed. Decide therefore, at once, what week or weeks you will come, send us remittance for the same, and we will issue you coupons at once. If later on you find that you can not come the week that you have purchased your coupon for, on ten days' notice we will change it to another week.

Circulars giving full particulars, and sample copy of the ORANGE JUDD FARMER mailed to any one, mentioning this paper.

Send all Communications, Remittances, Etc., to

ORANGE JUDD FARMER CO., 358 Dearborn Street, Chicago.

Advertising Rates.

All Advertisements will be inserted at the uniform rate of 6 cents per line, Nonpareil space, 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.

CANADIAN BEE JOURNAL.

A live Bee Paper for Live Bee Men!

Trial subscriptions from August to Jun. 1st. New subscribers, \$.25. Per annum, \$1.00 in advance.

Edited by R. F. Holtermann. Address Publishers.

GOULD, SHAPLEY & MUIR CO., Ltd.
Brantford, Ontario, Canada.

FOR SALE.—Root's A B C of Bee Culture, 1880 edition. This book contains 300 pages and 208 illustrations, cloth bound, in good order. Cost \$1.25; will sell for \$.60. post paid.

BURTON L. SAGE, NEW HAVEN, CONN.

JUST SPLENDID!

Is what hundreds of our customers say of the Queens we have mailed them. Just think of it, a queen bee worth \$10, and a bee-paper brim full of practical points for \$1.50. If you really desire to see the paper before sending the \$1.50, just send your full address on a Postal Card for Sample Copy.

Golden and Leather Colored Italians and Golden Carniolan Queens, mailed to any address, each \$1.00. Safe arrival and satisfaction guaranteed. Address

Henry Alley Wenham,
Mass.

Pratts' New System of Nuecli Management.

Mailed to any address on receipt of 10c in stamps it is a book of 16 large pages neatly printed on heavy paper,

E. L. PRATT, Beverly, Mass.

SHIPPING
AND
WINTER

Cases,

Paste Board Boxes or Cartons

Everything used by Bee-Keepers. Catalogue and Price List free. Ask for a copy of **AMERICAN BEE-KEEPER** (50 cts. a year) especially for beginners.

The W. T. FALCONER MFG. CO.,

JAMESTOWN, N. Y.

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.

QUEENS.

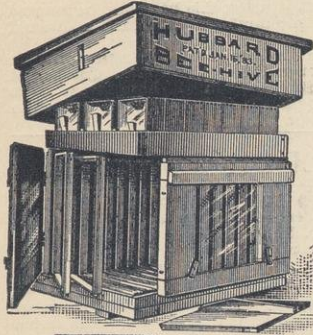
W. B. WEED,

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, Washington Co. N. Y.

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

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.

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

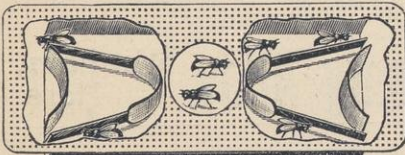
WHITE POPLAR

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,

Eristol, Vermont.



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.

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.

The Progressive Bee = Keeper

Has Changed Hands. It is now Published by the

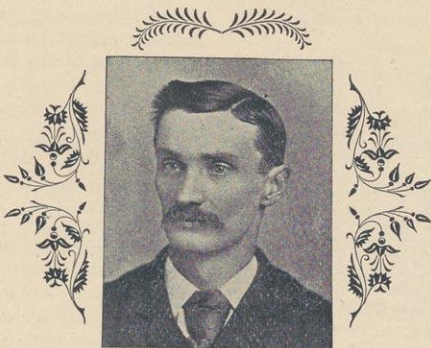
LEAHY MANUFACTURING CO.,

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.

The Bee-Keepers' Enterprise.

MONTHLY JOURNAL
50 CENTS A YEAR.



DEVOTED TO THE
INTERESTS OF THE
HONEY PRODUCER.

BURTON L. SAGE, Editor & Proprietor.

VOL. 1.

NEW HAVEN, CONN. AUGUST 1893.

NO. 4.

Friend Hasty says in one of the back numbers of the *Review* that we get acquainted with an editor very poorly if he only shows us one corner of himself, only one eye and ear like a squirrel behind a limb. We want to have him come out in full view and show us whether he is a fox squirrel or a chipmunk. If we heartily like a man and he has a hobby, (most men worth loving do) we are quite willing to see him mounted on his hobby once in a while." Well, dear readers, the Sagely-looking gentleman that adorns(?) the top of this page, mounted upon one of the pages of the greatest hobby he ever rode, the ENTERPRISE, is "ye Editor."

Though he is a little too modest to show both ears, he has come out in full view that you may get some idea "how he looks like." As this page is to be reserved in the future for a little chat about our home, our business, the ENTERPRISE, and ourself, we expect that we shall become more thoroughly acquainted as the months roll by.

THE EDITOR'S HOME.

AN EARLY MORNING RIDE ON THE WHEEL. EAST ROCK PARK.

Our home is pleasantly located on Hamden Plains, two and one-half miles north of New Haven, midway between New Haven's widely noted Parks, East and West Rocks. These rocks or mountains, though about a mile apart, look as though by some great commotion of the earth they had been separated to

let mountains of water pass down through the valley into Long Island Sound. These rocks are more especially noted, one for its Soldiers' and Sailors' Monument and the other for Judges' Cave, both of which we will tell you more about in a future article. Feeling that we were sadly in need of a little outdoor exercise, we arose early, prepared and did justice to a light breakfast, jumped on the wheel and was soon gliding over the plains toward East Rock at the rate of a mile in 4 minutes. God may be able to put it in the minds of men to invent a machine that would prove a greater blessing to mankind, but I believe He never did. We were soon at a back entrance about half-way up the Rock. Our attention is first attracted by the various signs nailed on the trees:—"20 fine for hitching a horse to a tree", "Dogs not under the lash will be shot", &c., &c. By this we know that we are on public grounds and we now turn into what is known as Farnam Drive. This is a beautiful avenue that winds round and round from the base to the top of this pleasure ground, first one side of the mountain where we have a fine view of the salt meadow, then to the other, where we plunge into the deep hemlock forest. So still is it here that we could almost hear a pin drop. Then up back and forth until we reach the very top. Here we dismount and take a seat near the cliff where we can see all over the city and far out into the sound. Most of

the ships are at anchor at this early hour. After writing the above and dispensing with



several hundred of the New Haven Park Commissioners' *Bill Bees* that had played music in our ears and presented their little bill for it, we mount our wheel, put both feet on the coasters and away we go, sometimes so fast that we can feel the hair on our head gradually rise up, then again we come to a place where the descent is not so steep and our steed slows up. Once we run into deep mud and our wheel commenced to flounce and flounder around, and as we were unable to catch the pedals it seemed as if—Well, we got off to save further bother and to get on in better shape—we carried home some of that mud on our clothes, but you know mud is good for bee stings. Not a soul did we see until we reached the base of the rock. In one of the little summer houses that the Park Commissioners have kindly erected, were three men stretched out on the benches fast asleep. By the looks of the beer bottles lying around, one would judge that they were left over from the night before. We reached home just as Mrs. "We" and Baby Rena

were sitting down to breakfast, much refreshed by our early morning ride, though as you may judge from the above cartoon; somewhat scared by the P. C. Bill Bees.

NON-SWARMING ATTACHMENTS.

E. KRETCHMER EXPLAINS THE CAUSE OF THE REPORTED FAILURES.

Friend Root:—I have just read some of the difficulties encountered by several parties with the Langdon non-swarming attachment, which so nearly correspond with the troubles I encountered while using a similar arrangement in 1891, and which, we think, we have here in our apiary entirely overcome.

One of the causes of swarming is in attaching it too late after the bees have the swarming fever. We now overcome this by making the *first* change back after three days. Another is, insufficient ventilation by setting the bee-controller $\frac{1}{2}$ inch from the hive; later we constructed ventilators through the controller, but we soon found the chief cause of swarming arose from insufficient ventilation of the supers, and evaporation of the honey in the uncapped cells. When but one super is placed on the hive, the vapor is removed by fanning it out at the entrance, with considerable loss of labor; but think how much greater the labor must be when four or five supers are placed on one hive, with no increase in the size of the entrance, while the amount of vapor to be removed is not only fourfold in quantity, but the distance from the upper super to the entrance is also greater; all of it must be forced in an opposite direction, which, by the action of heat and atmosphere, rises instead of falling. The bees, unable to stand the almost suffocating vapor, desert the hive. It is not what I understand the word "swarming" means, as, under the circumstances above described, no queen-cells are started until after the queen has left the hive. I obviated this trouble by raising the roof and placing a ten-penny wire nail under each corner, which raises it enough for ventilation, yet admits no bees. To show my assistant what quantity of vapor does escape through this crevice I placed some ice in a glass globe with closed cover, and, after it became cool, I held its smooth sides near the opening under the roof, and I must confess it even sur-

prised me to see what a large quantity of moisture condensed against the cool glass, just near the opening under the roof. When this condensing-glass was placed near the entrance of a colony, about equally strong, with the same number of supers and no upward ventilation, the amount of moisture condensed against the glass from the entrance was not one-fourth as much.

I am, therefore, of the opinion that, as soon as these special manipulations are more thoroughly understood, we shall have fewer reports of failures.

Gleanings.

HONEY NOTES.

The countries along the Mediterranean Sea have always been famous for honey.

The best honey is found in the milder parts of the Temperate Zones. There are too many rank and poisonous plants in the Tropics.

Honey from certain districts in Turkey produces headache and vomiting, and that from Brazil is used as a medicine.

In Scotland good honey is made from the blossoming heather.

The best honey in Persia and Florida is collected from orange blossoms.

The celebrated honey of Narbonne in the south of France is obtained from a species of rosemary.

California honey is white and delicate and highly perfumed, and now takes the lead in the market.

The Emperor Augustus one day inquired of a centenarian how he had kept his vigor of mind and body so long, to which the answer was made that it was by "oil without and honey within."

Honey was a more important article of food with the ancients than with us.

Besides grape sugar, honey contains manna mucilage, pollen, acid, and other vegetable odiferous substances and juices.

The first honey is probably obtained from the flowers of the red maple and the golden willow. Catnip is a great favorite, and could perhaps, be cultivated in some places profitably.

If you touch the "business end" of a bee, it will sting even with its head off. The best antidote for a bee sting is the honey itself.

Bees of the Olden Time.

A Reminiscence of the Old Farm.

EDMUND YEIGH.

As I open the last issue of the CANADIAN BEE JOURNAL and scan its contents, my mind reverts to my boyhood days on the farm, and a contrast naturally presents itself between the old and modern methods in the apiary. Of course there were "bees" innumerable even in those pioneer days. Log houses were built by "bees"; corn was husked in the same way. Even quilts were stitched; apples were pared; wood drawn, and the other work of the farm was often done by "bees" composed of all the neighbors within a radius of miles. And the boys kissed the girls, and the table groaned under its load of substantial. And then the boys had often painful experiences with a small yellow uniformed gentleman of very lively habits of locomotion and with a business end that was good to keep away from. In short he was very "waspish" in his nature. One incident left a vivid impression in my memory. The day was sultry; the plough I was guiding often caught in the roots that made a net-work in the field. Another snag caught—team halted—air filled with a buzzing sound like a saw-mill in motion—barefooted boy dancing a jig—horses frantic—screams—dust—yells. I drop the curtain,—but oh, the horror of it.

But we too, had real honey bees. They were kept in primitive old box hives, and when we wanted a supply of honey we simply murdered the poor little workers and robbed their store. One day we made an experiment. The upper box of the hive, filled with honey and bees, was taken to the cellar and a window left open for the latter to vacate the ranch. We waited an hour and then cautiously looked to see the result. A thousand poor bees were struggling in a score or more of milk pans that had been left uncovered, and the ranks were being recruited by all the bees in the yard that were rushing in to secure a share of the contents of the box of honey in the cellar.

Such were the old-time methods, but now the industry is one that affords pleasant and lucrative employment to thousands, and my hope is that the JOURNAL, under its new auspices may be a power for good. I know the men at the helm and feel assured that its readers will welcome its coming.

Canadian Bee Journal.

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. AUG. 15, 1893.

He never did a thing on time,
For him all others had to wait.
Promptness he took to be a crime,
And even his drink was choco—late.

(This might apply to the editor of the ENTERPRISE, in regard to getting out the last two issues.)

Guess Bro. Hutchinson was a little off when he made up friend Aiken's article on page 229 in the *Review*.

Gleanings for Aug. 15, is almost a bicycle number. And is an especially interesting number too.

This number of the ENTERPRISE might well be termed the *Sage* number.

Bro. Hutchinson of the *Review* has taken up photography as a pastime. A photo just received of baby Fern sitting in her carriage like a little lady, would do honor to an experienced photographer.

Before rushing your honey off to the commission merchant and overstocking the market, cultivate your home market; dispose of all you can in your own vicinity, but do not spoil the market by selling at too low a price.

Paying for articles is to be the rule with the ENTERPRISE in the future; not exorbitant prices, but prices to be governed by the net receipts and according to the valuable in-

formation each article contains. At first we thought that the receipts were too few and far between to pay our writers, but it does not seem quite right to us to ask busy people to spend their time writing for us without offering some compensation. Therefore we have decided that the ENTERPRISE shall pay as it goes or throw up the sponge.

If the ENTERPRISE should not prove to be a success it certainly will not be from a lack of sisterly kindness shown us by brother editors. Two letters received in this morning's (Aug. 9) mail make our heart overflow with feelings of gratitude for the kind words they contain.

We have been at a loss for some time to know just what course to pursue with the ENTERPRISE in order that it might not follow too closely after the style of the other journals or, as it were, have a little world all its own. But Bro. Hutchinson and friend Hasty have made it clear to our mind that all we have to do is to "be ourself", "be natural", and "write from the inside", and we have a field all our own. Friend Hasty says of us: "Our last baby's strongest merit seems to be *individuality*, a way of doing very commonplace things in such a style that they almost seem unique."

R. L. Taylor says in the *Review* that all queens two years old if depended on are liable to fail when most needed. "If any good degree of certainty in wintering and in a prosperous opening of the next spring is desired, all such must be at once replaced by young laying queens reared from cells produced during the late swarming season."

There was once a wicked printer who noticed in letting the cat out and in the office, that it took pussy longer to get her tail through the door than it did her body; so he cut her tail off to save time. So it is with many of the articles that appear in the ENTERPRISE. We are obliged to cut both head and tail off, not to save time altogether, but to save space. We do not wish to enlarge our baby paper until the close of Vol. 1, but still we like to give the cream of all the apicultural news.

Brother York of the *American Bee Journal* does not believe in abbreviating the names of bee-papers. He says that "no one except a professional guesser or interpreter could explain their meaning". Guess you are right, friend York, and as our paper is so small, we have been in the habit of cutting off the head and tail from most of the articles

I guess we shall have to plead guilty to much abbreviating.

I see, or at least I guess friend J. W. Rouse of Mexico is going to invent a low-priced smoker that will meet the needs of beginners. Good! For driving horses we have whips that cost two or three dollars, and also some that cost but ten cents. Why not then have smokers for the use of beginners and small bee-keepers that would cost but twenty-five or fifty cents.

Henry Alley of Wenham, Mass. is preparing a new book entitled "Practical and Profitable Bee-keeping." As friend Alley has had thirty years' experience in bee-keeping, and is a practical and prolific writer, this book should be added to your library. It is to be given free, I believe, to each new subscriber to the *American Apiculturist*.

Friend Hasty, in the midst of a kind and rather elaborate review of our baby paper says; "The cartoon on A. I. Root is a decided hit; yet I'm not sure it looks just right to see so youthful an urchin guying his grandpa. A. I. Root is to apiculture what Horace Greeley was to the Republican party; and as in the other case the business of poking fun at him is considerably overdone." Why, bless your heart, friend Hasty! The idea of poking fun at our good grandpa Root was far from our mind when we published that bicycle picture. *Gleanings* was the first bee paper we ever saw, and we have been a constant reader for fifteen years. We hold Bro. Root in the highest esteem and fully appreciate the great service he has been to bee-keepers, both temporal and spiritual. In looking over one of the illustrated papers we found this picture, and as there had been so much said in

Gleanings about carrying the mail on the "bike", we thought it would be a pleasant surprise to Bro. Root to see it illustrated. So with the aid of friend Murray, the artist, we had it fixed over to fit *Gleanings Express*.

Since our last issue the *Canadian Bee Journal* has been burned out, loss about \$5,000 with light insurance. An extra mailed us, however, informs us that The Goold, Shapley & Muir Co. has bought the subscription list and will continue its publication with Mr. R. F. Holterman as editor. As the above firm has capital, and friend Holterman is a thorough, practical man, we see no reason why the paper should not be a success. We hope so.

How the editor of the ENTERPRISE enjoys a visit from a thorough, enthusiastic, practical bee-keeper, with just enough of science thrown in for seasoning. Clark Chatfield of Seymour, Conn. is such a man and he did us the honor to call a few days ago. We have not space to give the whole of his conversation, but will give a short digest of the good things he said: Thought the bee journals all up to a high standard of excellence. Could not spare any of them.....Editor Cowan of the *British Bee Journal* is thoroughly scientific and up to date. Is a subscriber and also of *Gleanings* and the *American Bee Journal*....Had taken 60 lbs. of nice comb honey from one hive so far this season....Tried putting starters in all sections but one. Bees passed that by unnoticed and filled all the others....Hived a swarm for a neighbor on thin foundation starters in brood frames because he had no others at the time. Visited said swarm in a week or so and found as nice combs as you could wish....Tried it again in home yard and bees cut it up and dragged it out....Wished me to do my best to get friend Heddon to write for the ENTERPRISE....Thought Prof. Cook right in his belief that honey is digested nectar, and that he had the best interests of bee-keepers at heart when he advocated sugar honey. We could not afford to do it however, because of advance in sugar and abundance of nectar....Thought Conn. bee-keepers should be thoroughly united in order to get help from the state....(Amen to this last paragraph. ED.)

THE BEE-KEEPERS' ENTERPRISE AND ITS
EDITOR.

"Thrice welcome new born stranger
O'er this wide world a ranger;
May he who filled the manger,
Make plain the path for thee."

According to promise, the *Bee-Keepers' Enterprise* came to hand promptly on the 15th of May. As might be expected, when we know that its editor is a practical printer it is very neat in its mechanical make up. Reaching from the top to the bottom of the front page is a twig from an apple tree. Bees are flitting about and working upon the blossoms. Across the center of the page upon a sort of a spider web back ground appears the title of the paper. In one lower corner is a section of honey with a circle drawn upon its center and in the circle is a sectional hive. Taken all in all, it is rather a unique and striking design. The editorial department and "Gleanings from our Neighbors' Wheat Fields", are the most interesting. In the latter may be found very short, but very seasonable, extracts from the correspondence of other journals. For the first issue I think the *Enterprise* is good—the editorial instinct for getting hold of good things and setting them forth in a bright way, crops out quite strong.

And while we are waiting to see what Bro. Sage will do next, it may be interesting to know what kind of a looking man he is and



BURTON L. SAGE.

something of his past life, so I will tell you that Burton L. Sage was born 35 years ago in the town of Sandisfield, Massachusetts. Three years later his parents moved to Pittsford, N. Y. When he was 10 years old they moved back to Sandisfield and settled on an old farm that was good for nothing except to raise rabbits on. The next five years were passed in hunting rabbits and partridges, fishing for speckled trout and extracting honey from the nests of bumble bees. When he reached his 15th year, the family moved to Colebrook, Conn. Here he worked out sum-

mers and attended school winters. At the age of 24 he purchased a milk route in New Haven. A year later he bought a lot, and with his own hands built a two-story cottage, and when it was finished and furnished, just nine years ago this month, he brought to this home a wife—one of England's fair daughters then only 16 years old. Soon after a small printing office was set up in one of the rooms of the home, and while on his milk route he took orders for printing and the young wife did the work. Six years later the milk route was sold and the printing office moved to 730 Chapel St. Side by side husband and wife worked at the case until a little girl, now old enough to say "up a da da," came to claim all of the mother's spare moments.

Mr. Burton's interest in bees dates back to 1878, when the postmaster, by mistake, handed him a copy of *Gleanings*. It opened up a new world to him. Since then his interest has grown until he feels that he would like to have a journal of his own. The result is the *Enterprise*, which is well named. Pleasant indeed are such pictures of success from humble beginnings, as the result of perseverance and enterprise.

Bee-Keepers' Review, Flint, Mich.

We see by the *Canadian Bee Journal* that "J. T. Calvert, Medina, Ohio, well-known as the son-in-law of A. I. Root and business manager of Mr. Root's extensive business at Medina, paid the editor and Goad, Shapley & Muir Company (L't'd) a flying visit recently. Mr. Calvert had been at the Christian Endeavor convention, and was on a bicycle trip, a mode of locomotion which appears to be very popular at the present day."

In answer to the inquiry "how late can bees be transferred, Mrs. Athchley replies in *Am. Bee Journal* as follows:—

My best time to transfer bees from box-hives is whenever I find them in such. I fear that you have in mind the old way, called 'driving bees,' that is, run them out into a clean, empty hive without combs or honey, which is not a good way all seasons of the year. You may transfer at any time when warm enough for bees to fly; but if bees are not gathering honey, you would better work in a tight room, and carefully secure all their nice straight combs into your frames, and if they have enough where they are, put it with them.

Gleanings from our Neighbours' Wheat Fields

CONTRACT THE ENTRANCE.

REVIEW A LA TAYLOR.

Taking a hint from the concern which the bee has exhibited in her use of propolis for the continued prosperity of her family, the apiarist will next turn his attention to the needs of the individual colonies. That the owner is more liable to neglect the necessary preparations for winter than the bee herself, is a startling commentary on human energy and intelligence! During the pending period of dearth the utmost alertness should be exhibited that no opening be left anywhere for robber bees. No honey should be exposed and nuclei and small colonies furnished with the effectual means of self-defence which a small entrance supplies.

COMPLETION OF SECTIONS.

REVIEW A LA TAYLOR.

If attended to at once the careful apiarist may profitably secure the completion of sections that the close of the basswood bloom left not quite ready for market by collecting them in cases, putting them on populous colonies of hybrid bees and feeding extracted honey copiously for a few days. Two to four cases may be put on to a hive at once and more added later, but the brood chamber should be contracted to about the capacity of five L frames. The honey resulting should be marketed and consumed at once, as a candying is likely to ensue on the approach of cool weather.

HOME MARKETS.

CANADIAN BEE JOURNAL.

No fixed rules can be laid down for beekeepers in reference to the disposal of the honey crop. The various conditions to be found make a difference as to the best methods to be adopted. It is, however, safe to say cultivate your home market; dispose of all you can in your own vicinity without lowering the retail price. Rather lower the wholesale than the retail price. In the past the margin given to the retailer has not been sufficient to allow him more than a very bare living profit. The retailer is the man who can reach many customers, and an inducement should be offered him to handle your goods. Many argue thus: I would sooner cut the retail price from 12½ to 10 cents per pound than wholesale at 9 cents. This argument is wrong. No man can afford to retail honey through the county for 1 cent per pound, and you will at the above prices be finally forced to fall back on the wholesale man, and in the meantime you have yourself lowered the price to the market.

Sunny South.

CONDUCTED BY

WILLIE ATCHLEY.

DRONES TOUCHED BY THE MATING.

Dear ENTERPRISE:—Here I am knocking at your door and if you will open unto me I shall try to tell you what I have discovered in regard to the drones being touched by the mating as well as the workers.

Seeing that this was an unsettled question I set about to try to test the matter for myself, and I now give my experiments for the benefit of others that might be interested as I am. I take two sister queens, both from a straight five-banded mother, and yellow all over. I mated one of them to a black drone, and did not let the other mate at all. Now, the drones from the one that mated the black drone were a mixed lot, some yellow all over, some with only bands, and some with the usual hybrid stripes, but none of them black.

Now, the drones from the one that did not mate were as much alike as two black eyed peas yellow all over. Now, if I could have had time I would have repeated this experiment several times, but I have just been too close cut for time. Now, I am beginning to think, pretty strongly too, that the drone is injured as a breeder when his mother mates a black drone. Friends, what do you think about it anyway?

Dear readers:—It seems that I am too young (not quite seventeen yet) to be giving my experience to others, for I do not know much at best. I shall try to give what little I have learned, as what knowledge I have has been picked up in the bee-yards, being raised there, not even having time to go to school ten days in my life.

As this letter is considered as a kind of preface to my little department I will say that, as I am a specialist in queen rearing, I will try to give a few dots along that line in the future, such as "Why I do not believe that bees ever steal eggs to rear a queen" and "How I manage to rear queens on a large scale", etc.

Now my grammar is going to come up knocking, as I never had any, but I will try to tell what little I have learned so you may understand it without any grammar.

Further Account of a Chinaman's Bee-Keeping.

BY WUNG LUNG.

Lassa tlime I talkee about my sugar-fly, my partner Mlister Mlufley, and lot of other things. Thissa tlime me tell you 'bout my cousin, and how I cure him of lumatism; I also tell how to sell sugar-fly sugar, and make heap money.

You sabbe lassa tlime me heap A B C scholar; now me full-fledged sugar-fly keeper Mr. Mulphley call me 'gladulate in skule of aplikultural science." I no sabbe him; but guess he mean I know heap lot about sugar-fly.

Now, you sabbe I catch sugar-fly two, tlee year ago. Flirst year I no make money off him; nexa year me now tell you what me do. July thissa year I have tlen hives; me extlactor one ton sugar. Sugar-man in Slan Flancisclo say he give me slix clentee one pound for him. Me talkee him too muchee cheapee. Me wantee eight clentee. No sellee in Slan Flancisclo; me go home and makee sugar-fly sug- ar into yepyamsa—him heap nicee; China- man heap likee.

Me go Chinatown and see my cousin—him big mlerchant—and sell him yepyamsa 15 clentee one pound. One pound sugar-fly sugar maketlee pounds yepyamsa, and cost me flour clentee. Me do belly weil not sell sugar for slix clentee. Me make 41 clentee one pound by making him into yepyamsa. Nnext year me try and make flour tons of yepyamsa. Pretty soon me belly lich and go black to China to see my wiffo.

Me tlink Mr Lambler tlink me own an inter- lereest in that bleet sugar flactlory near where him lives. He might likee to know how to make yepyamsa; he will have to wait a tong tlime, for me don't ppropose to give the slecret away. If me flind him fooling 'bout here he will flind himself in a worsa whirlwind than him got Plofessor Clook and Mr. Hutchlin- slon into.

At the end of my slecond year, me had 27 swarms in heap nice bloxes. Mr. Mlurfley call him in "pig-tail blox," wha' for, me no sabbe Nexa year me try to have 100 hives; then me make heap yepyamsa. Mr. Mlurfley say belly good for me Mr. Cleveland get into oflice, for him big Mogul Cleveland won't have to protect my new Amelican inflant industry.

Me lookee bee-blook to see what to do with extlactor, when not used for honey-fly sugar, but could not flind anything in him. Me tell

you what do. Me loan him to Jim Lee to make him washing nice and clean and dry. Extlactor heap fine to dry clothes in. Take washee out of tub water and tlow him into extlactor, turn handle, and pletty soon wash- ee belly dry—water all fly from washee. Me tlink before long all Chinese wash-house have extlactor to dry washee. Me wish ext- lactor had platent on him, for me would be- come him agent, and sell heap lot to Chinese wash-house.

Me Slunday-school teacher talkee me one day that sugar-fly-bite heap good for luma- tism. Slam Lee long tlime hap die in Slan Flancisco with him 'tlism; so me catch one dozlen sugar-flies, put him in bottle, and take him to Slam Lee. Lee belly stliff, he no move 'blout for tlen year—him allee samee him hap die. When me go Slam Lee's house him sleep belly sound. Me tell young Sling (him Slam Lee's cousin) me make Lee heap well belly much quick—him walk belly fast, allee samee him no sick. Young Sling say him heap glad; him say me make him cousin well him give me \$100.

So me go up to sick Chinaman's bled, open him shirt and shake sugar-fly out of bottle on Lee's skin and put back shirt and blanket belly quick.

Slam Lee jlump up belly mlighty quick. Him get big move on him, as pliceman say. Him yell and jlump allee samee him clazy. Chinaman come in flom stleet and belly much astonished when they see Lee with big move on him. Lee lun about, unset flurniture, and tear him hair from him pig-tail. Him fear- fully clazy; me muchee sclared, for me thlink- ee him mlight hap die, and pliceman takee me to calaboosee. Pletty soon Lee lun out of housee into stleet with nothing on him but shirtee. Him allee time yell and tear him shirt and queue; big crowd gather, and hoodlum boy say: "See the clazy heathen with nothing on but a shirt and pig-tail, and him tlying to get them off as fast as he clan."

Lee was lunning in blizness street when pliceman stop him and wanted to takee Lee to clazy housee. Jlust thlen a sugar-fly got out of Lee's shirt and blit pliceman under him nose. Pliceman swore and jlumped worsee than him clazy with too muchee gin. One Melican man allected pollice ofliceer for using heap bad cuss-word. Lee now lun home and get sting taken out of him.

Him soon all life, and work in glarden. Young Sling glive me \$100. Me belly much heap slatified with sugar-fly: make belly much money flom him.

Nexa time me tell you more what me do. Slan Flancisco, California.

American Bee Journal.

Merry Times for Girls and Boys.

Conducted by

MISS LUCY HURLBUT, LINDEN, N. Y.

To whom all communications intended for this department should be addressed.

As we announced in our May issue, we engaged Miss Laura Davidson to take charge of this department. It was over a year ago that we made arrangements, but since the time of going to press with our first issue we have learned that she has entered High School and does not care to act as Editor.

We give below a letter just received, which will explain itself.

Mr. Sage:—Yours of the 28th at hand. In reply would say that I will accept the position offered at the terms mentioned, and will try to do justice to it. I received the papers you sent this P. M., am very much pleased with them and I think the ENTERPRISE will be a success. Please inform me in regard to the letters sent me for the Merry Times department. Shall I copy them or send them to you verbatim?
LUCY HURLBUT.
Linden, N. Y., Aug. 1.

We will now introduce you to our new Editor, Miss Lucy Hurlbut.

Dear Young Readers of the ENTERPRISE:

Let us endeavor to make this department as interesting and instructive as possible. We would like all the young people of this paper to write letters, ask questions, anything that you think will be of interest. Tell us about your homes, your studies; or anything pertaining to bees and bee culture would be very acceptable. Would be pleased if you would give your age when writing, as I think it would be more interesting, and let one and all try to make the Merry Times department indeed a merry corner in the ENTERPRISE.

LUCY HURLBUT.

I have three brothers and consequently have had experience with boys, and I think that there are quite as many "mean, hateful" girls as "mean, hateful" boys. I live in the country, on a farm, and I guess all the Merry Timers know what a farm is, so I won't need to tell them about this one, as it is like all the rest. My mamma is dead and I keep house for my papa and brothers and sisters. I wish our editor and all the Merry Timers could have come to our place for a May party in the woods. We would have made Mrs. Eye-

tinge the "May Queen" wouldn't we, merry cousins? And we would have been her "lords and ladies," and have had lots of goodies, including plenty of mince pies. I am going to endeavor to make a Merry Times garden this summer, and I'd like all of you to send me some seeds or bulbs, boys as well as girls. I would like some correspondents of about my own age, or older. O! Dear me, I forgot to tell you about a new kind of flower that we discovered, but as it was just like the new animals in a show, living only a few days, I suppose it don't matter much. A loving friend,
LULU RYAN.
Amadore, Mich.

The character of Mother Goose would have been a much more appropriate one to select for the editor than that of a May queen, my dear Lulu, for May queens should always be sweet, young girls, the letters which accompanied yours could not be printed because it was written in pencil.

Free Press.

Dear editor, I am a boy, 20 years of age. This is the first time I have undertaken to write to the Merry Times, but have always been an interested reader. I have traveled quite a good deal and have decided that my home is as beautiful a spot as there is on this earth. I think all of the stories are interesting, the letters also. This is quite a lively place in the summer, as it is on the road to a summer resort. If I had anything interesting to tell, I should continue, but as it is shall have to close. I should like very much to correspond with some of the Merry Timers, especially Lass o' Ionia.
F. H.
Box 93, Rome, Mich.

Three Michigan girls of 16 join the band of Merry Timers. We live in the country, three miles and a half from town. We have had quite a few amusing adventures. One of them was on a very dark evening, when we heard a rustling in the grass and imagined that something terrible was at hand, which so frightened poor Clover that she said, "Run, oh, run!" an order which was promptly obeyed and we beat a hasty retreat to the house. In the morning we decided it must have been a cornstalk which was lying near and had been blown over the grass. Do you not think we were brave? We are very fond of music, boating, horseback riding, skating and reading. Some of our favorite authors are Dickens, Sir Walter Scott and Mrs. Holmes, and our poets are Whittier, Tennyson and Longfellow. We enjoy reading the letters very much, and, boys, you will have to hurry and do your best if you wish to keep up with the girls. We do not agree with Gynell about boys, but think they do not deserve recognition when they use profane language or intoxicating liquors. We are studying to be school teachers, and would like to hear from some interested in teaching. We are all brunettes and love to chat and have a good time. We should like to correspond with Merry Timers of our age or older. Success to the Merry Times and its editor.

CLOVER DINGMAN, Newark, Mich.

FERN SHEPARD, Ithaca, Mich.

VIOLET WOOD, Ithaca, Mich.

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BURTON L. SAGE, = New Haven, Conn.



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W. Z. HUTCHINSON, Flint, Mich.

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