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# The Saturday



# Queen

JUNE, 1901.



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# THE SOUTHLAND QUEEN.

Published Monthly.

Devoted to the Exchange of Thoughts on Apiculture.

\$1.00 Yearly.

Vol. VII.

BEEVILLE, TEXAS, JUNE, 1901.

No. 2.

We think that the following is too good and of too much value to be left out of THE QUEEN; we clip it from the American Bee Journal of May 23, 1901.

## Medicinal and Nourishing Properties of Honey.

BY DR. JAMES M'LEAN.

A perusal of Prof. Cook's able review of Thos. W. Cowan's book, *The Honey Bee*, which appeared in the Bee Journal for December 20, 1900, suggested the following points on the medicinal properties of honey, etc:

The physiological effects of honey are singular, though mild and passive in their character. Honey occupies a broad line between alimentation and therapeutics, being both food and medicine; therefore it belongs to that class of medicinal remedies that cure indirectly—that is, by putting the vital forces in such a condition as to enable them to overcome diseased action. Mineral water, cod-liver oil, malt, etc., all belong to this class of remedies.

Before speaking of the curative properties of honey we will note

its physical properties.

In the first place, where does honey come from? Some assert that it is a secretion of the bees, others that it is a natural product in plants. If it is a natural vegetable product, the laboratory would have furnished us long ago with genuine honey. It must be remembered that the sugar and glucose that bees resort to in flowers and fruits, is never honey until it has passed through the stomach of the bees; and please do not call this organ a "bladder," as some do, for it is virtually a stomach, and performs the functions of that organ. The bee gathers into it a saccharine material. After its reception a gastric element is mixed with it for two purposes—one to give it the character of honey, and the other to make it assimilative for the formation of an oil, that is perfect wax.

It is generally supposed that after a bee returns to its hive with its treasure, it hurriedly dumps it into a cell and goes out for another, but this is not the case. When the bee returns, because of fatigue and under the

stupefying influence of digestion, it has to abide for a time, both to recuperate, and to get rid of its burden of honey and wax. We have reason to believe that even after the honey is deposited in the cells, it has yet to receive the finishing touch of perfection, which in all probability is given by the younger bees of the colony. They live on the honey imported, and this rich concentrated food demands an excess of gastric secretion; when coming to a certain point it creates a regurgitation, something akin to vomiting. This the young bee economically puts back into the cells, thus completing the process of honey-making.

Another point as to the character of the bee's stomach. As soon as it is unloaded, an insatiable sense of hunger and restlessness ensues, which at once forces the old bee to work abroad and the young one at home. We all know how to respect the buzz of a hungry bee, and admire the sweet disposition of the one that has just finished a sumptuous repast. Ah, how rare are family jars when the pantry is ever full! It is Nature's law, all the same.

We go more especially into these details, to point out the medical properties of honey. It has two physical elements that make it particularly a medicine, namely:

First, an aromatic irritant imparted to it by the stomach of the bee. Second, its ready transformation into fat without those complicated physiological operations necessary to transfer other saccharine elements into this material. This makes it at once both a local and a constitutional remedy. Locally it is an irritant, sedative, emollient, detergent, antiseptic, resolvent, rubefacient, and a parasiticide. Constitutionally, it is nutrient, demulcent, laxative, deobstruent, alterative, restorative, tonic, expectorant, febrifuge, and antaphrodisiac, as well as containing poisonous properties manifested under peculiar circumstances.

When we say that honey is both an irritant and a sedative, we mean that its first effects may irritate, and be followed by a sedative effect. All liniments work beneficially on this principle; the same with the most of eye-waters, etc. The solution of honey as an eye-water proves particularly beneficial on account of its antiseptic, absorbent, or resolvent properties. It cures inflammation of the eyes in the way a solution of boracic acid does, that is, mainly by reason of its antiseptic and sedative properties.

The irritant properties of honey are, in a great measure, destroyed by dilution. Therefore, as a top-

ical irritant, where we wish to favour resolution by counteraction, it is used in a pure state, or in conjunction with more active irritants. It is its irritant or rubefacient effect, joined with its emollient nature, that precipitates local inflammation into suppuration, and is, therefore, a suitable remedy for abscesses, boils, whitlows, carbuncles, etc. Therefore, woe to one who applies a honey plaster over an inflamed eye, in place of the solution. As a rubefacient and absorbent, it makes an excellent local application in glandular swelling, and chronic tumefaction, particularly when joined with iodine, iodoform, or mercury.

On account of the temperature of the body it is difficult to keep pure, undiluted honey on the surface. This can be remedied to a certain extent, by saturating layers of cotton flannel, and applying them, changing frequently.

I speak of it as a parasiticide not only in connection with the theory of the pathogenesis of diseases as advocated by Pasteur, Cohn, Koch, Klebes, and others, who have investigated the bacteria, but even those who created several skin diseases, well known to almost every one. Take honey for the destruction of the bacteria, because of its antiseptic, tonic and laxative effects. Its daily use

would disarm every dire and malignant disease of its destructive force. Cholera, yellow fever, small-pox, scarlatina, and diphtheria, may run their course as before, but comparatively in such a mild form as to afford but little, if any, malignancy in these diseases, and not as a curative agent.

The constitutional effects of honey can not be fully understood and appreciated, except it be studied from its medical properties, as represented above. All scientific investigation of remedies are made in like manner. It is the text to a long and complicated sermon. Every physician will read in it such a multiplicity of applications as would astonish the uninitiated.

As a nutriment I will not speak of it as a food, but in connection with its properties which serve to arrest certain diseases, particularly consumption. The important features of the medical properties of honey, lie in the nutriment, expectorant, deobstruent, and restorative effects in the management of consumption, and its allied diseases.

Now let us go back to the fact that exists in the process of making honey. No honey could be had if it were not for its ready metamorphosis into oil, or, in other words, in the making of wax, as stated. The great object in the treatment of consumption is to arrest waste. Therefore we resort to the use of oils, or remedies

that will readily make fat in the system. But the great difficulty in the way is to get the system to accept these remedies and effect their assimilation. Under Lieberg's authority, we give sugar freely to make fat, but the system often refuses it. This alone gives us a great advantage in giving honey to stay the waste caused by disease, that we have in no other remedy.

In being assimilated, honey is disposed of in three ways. What is not deposited in the cellular tissue as fat, is consumed by the liver, and its volatile principle is eliminated by the lungs. This elimination is a matter of the greatest importance as a remedy in all pulmonary disorders. But the most remarkable feature of honey as a sedative is in administration by atomization and inhalation. The spray arising in extracting has been proven to exert a very beneficial effect upon cough and dyspnoea, thus revealing its curative tendency.

The most effective and enjoyable way to benefit from the general use of pure honey is to have in every home a ready supply, diluted with, say one pound to a quart of water, placed in a suitable glass or porcelain vessel—metal must not be used—from which about one tablespoonful put into a cupful of warm or cold water and taken at each meal, would benefit one a thousandfold more than the stupidly conventional decoctions with which we daily clog and seriously disarrange our physical and mental machinery. Let any one who suffers from kidney and bladder trouble try the simple and pleasant substitute for one week, and then faithfully report the wonderful results. Blind indeed, must mankind be to reject one of Nature's very best disease-preventing remedies, in order to temporarily relieve their perverted appetites!

O, that we would learn seriously to feel and honestly to say, with the Psalmist of old: "How manifold are Thy works Lord, God, Almighty, in wisdom Thou hast made them all"—including the divinely inspired honey-manufacturing bee.

Let me conclude by suggesting a trial of one table-spoonful of pure honey, dissolved in about half a glass of cold water, and one teaspoonful of tincture of myrrh, for the cure of indigestion.

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### Preventing Swarming.

BY HOWARD GILMORE, M. D.

EDITOR SOUTHLAND QUEEN:—

I never see anything from these parts, only when I write them. The prospect for a good heavy crop is flattering, we have had plenty of rain and no late frost up to date, but it is not too late yet.

Bees are making a living now. The rattan will soon be in bloom, then we fellows will have to look out for swarms. We don't get much surplus from it, but our bees fill their brood-nests and replenish their almost exhausted old crop of honey.

I will give you my plan of preventing swarms: I just let 'em swarm, (that is one time apiece) if they want to. Then I take the new hive and set it on a stand just as close to the one it came out of as I can, I put a frame of unsealed brood in it and put foundation

starters in all the rest of the frames, then I just let them be until the first of June, as that is when we get our surplus honey from linden and cotton. The most of the swarms we have are in April and the first of May, then we have a derth of honey the latter part of May and sometimes we have to feed them, I did last year.

Now back to the subject; about the first of June I doubled up. Those that I want to run for extracting. I take all the frames in both hives that contain brood, and put them in the bottom part of hive No. 1, and all the frames that contain honey in hive No. 2, make a general mix up of the bees, select the best queen, usually the young one, roll her in honey and put her in hive No. 1, put on my honey board and put hive No. 2 on top, give them a good smoking, move them to half way ground between the two, and I have a powerful colony to gather the nectar. By that means I get the work of two queens for six weeks or two months instead of one. If I am going to run for comb honey, I take all the brood from No. 2, and put it in No. 1, if it will hold it, if not, I use it in nucli, or weak hives, and put on a super, and in two or three days, if honey is coming in, I am ready for another. I always put my empty super next

to the brood nest. By this plan, we dispense with the loosing of a colony when it gets the swarming fever, which they will always have if prevented from swarming. By this means we get lots of nice new combs built.

This plan is only advisable when swarming comes three or four weeks before the regular honey flow commences.

I notice about my apiary some bees which look as though they had been dipped in grease, they are just as sleek as they can be. Are they old bees, worn out, and crawling off to die, or is it some disease? I see nothing wrong inside the hive.

If this long, rambling discourse don't find its way to the waste basket, and the people don't get to wanting too many pills, I will come again when I have not so long to stay.

Success to the Atchley family, and beedom at large.

Hayes, Texas, April 8, 1901.

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### Premium List of Apiarian Exhibit at College Station.

BY LOUIS SCHOLL, Sec. & Treas. CTBKA.

—1—

1—Single comb nucleus—Golden Italians. 1st—\$2.50; by E. J. Atchley, 2.50.



2—Single comb nucleus—Three-band Italians. 1st—\$2.50; by E. J. Atchley, 2.50.

3—Single comb nucleus—Holy-Land. 1st—\$2.50; by G. W. Hufstedler, 1.00, J. M. Faust, 1.00, and J. B. Salyer, .50.

4—Single comb nucleus—Black bees. 1st—\$2.50; by M. M. Faust, 1.00, G. F. Davidson, 1.00, and J. B. Salyer, .50.

5—Sweepstakes on bees—Greatest number of different races, one-frame nuclei. 1st—Surprise package valuable articles.

—2—

1—Best section comb honey exhibit. 1st—By Udo Toepperwein, one comb honey hive; 2nd, by O. P. Hyde & Son, one golden breeder.

(1@)—Best sample case sections— .50.

2—Best bulk comb honey exhibit. 1st—E. J. Atchley, five cases 8-inch screw-top cans; 2nd, W. H. Laws, fine golden breeder.

(?)—Best sample bulk comb— .50.

3—Best extracted honey exhibit. 1st—O. P. Hyde & Son, five cases extracted honey cans; 2nd, E. R. Jones, Holy-Land breeder.

(?)—Best specimen extracted honey— .50.

4—Best exhibit bees-wax. 1st—by Udo Toepperwein, one Doolittle wax-extractor; 2nd, Louis Scholl, apiary-tool chest.

Best sample of wax, not less than 1/2 lbs., bright yellow wax to have preference. By— .50.

—3—

1—Best collection honey plants, pressed. 1st—R. B. Leahy, brass

Higginsville smoker; 2nd, Louis Scholl, Clark smoker.

2—Largest and best display apiarian implements.

1st—

L. Stachelhausen.....2.50

F. J. R. Davenport.....1.00

J. H. Faubion.....1.00

Chas. Freirich......50

Total....\$5.00

2nd—Louis Scholl, combined brood-frame foundation-fastener, wiring and nailing gauge.

3—Sweepstakes—largest, best, most interesting and instructive exhibit, all things considered.

1st—

G. F. Davidson.....2.50

J. B. Salyer.....2.50

F. L. Aten.....2.50

E. Y. Terral.....2.50

Total....\$10.00

2nd—R. B. Leahy, 2-frame Cowan honey-extractor.

4—Blue ribbon best exhibit apiarian supplies.

5—Red ribbon second best exhibit apiarian supplies.

#### PREMIUM LIST.

—Single comb nucleus. Goldens. \$2.50.

—Single comb nucleus. Three-band. 2.50.

—Single comb nucleus. Holy-Land. 2.50.

—Single comb nucleus. Black bees. 2.50.

—Sweepstakes on bees. Greatest number of different races, in one frame nuclei. Surprise package of articles.

—Best section comb honey exhibit. 1st, one comb honey hive; 2nd, fine golden breeding queen.

—Best sample case of section honey. .50.

—Best bulk comb honey exhibit. 1st, five cases 8 inch screw-top cans; 2nd, fine golden breeding queen.

—Best sample bulk comb, not less than (?) lbs. .50.

—Best extracted honey exhibit. 1st, five cases extracted honey cans; 2nd, one fine Holy-Land breeder.

—Best specimen extracted honey. Not less than 12 lbs; quality, etc. .50.

—Best exhibit of bees-wax. 1st, Doolittle solar wax extractor; 2nd, one apiary-tool chest.

—Best sample bright yellow wax. .50.

—Best display of honey plants, pressed. 1st, one brass Higginsville smoker; 2nd, Clark cold blast smoker.

—Largest and best display apian supplies. 1st, cash prize, sum of \$5.00; 2nd, foundation-fastener, nailing and wiring gauge.

—Sweepstakes; largest, best, most interesting and instructive exhibit, all things considered. 1st, cash, the sum of \$10.00; 2nd, one Cowan honey-extractor.

—Blue ribbon 1st, red ribbon 2nd, exhibit bee-supplies.

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### PROGRAMME.

Session at College Station, July  
22 to 25, 1901.

#### MORNING SESSION.

Called to order by President.  
Prayer by Rev. J. H. Manlove.

Presidents' report of N., S. and C. Texas. Secretaries' report of N., S. and C. Texas. Call for new members. Election of officers.

#### SUBJECTS FOR DISCUSSION.

1st. Bee-keeping for farmers; E. J. Atchley and Henry Schmidt. Criticised by convention.

2nd. Production of chunk comb honey; M. M. Faust and O. P. Hyde. Criticised by convention.

3rd. Manipulating bees for a large yield of good-flavored extracted honey; J. H. Manlove. Criticised by convention.

4th. How can queens be forced to lay in queen cell-cups? E. R. Jones and H. H. Hyde. Criticised by convention.

5th. Importance of good queens; W. H. Laws, Willie Atchley and A. I. Davis. Criticised by convention.

6th. How to raise good queens; G. F. Davidson. Criticised by convention.

7th. Experience in moving bees; B. A. Guest and J. T. Bell. Criticised by convention.

8th. Importance of large breeding space; L. Stachelhausen and F. L. Aten. Criticised by convention.

9th. How can beginners be best educated not to ruin a market for those more experienced? D. C. Milam. Criticised by convention.

10th. What is the best race of bees? E. Y. Terral and G. W. Hufstедler. Criticised by convention.

11th. Who should keep bees? T. B. Bounds and J. J. Waldrip. Criticised by convention.

12th. Location for an apiary; Rev. Jno. Pharr and J. H. Tom. Criticised by convention.

13th. Advantages of exhibits at fairs; Louis Scholl and J. B. Salyer. Criticised by convention.

14th. Is it to the interest of the experienced bee-keeper to persuade others to go into the bee business? O. P. Hyde and W. H. White. Criticised by convention.

15th. Foul brood; F. J. R. Davenport. Criticised by convention.

16th. Does it pay to make your own supplies? Udo Toepperwein and Tom Houston. Criticised by convention.

17th. Is it advisable to buy untested queens for requeening an apiary? E. B. Norwood and W. A. Evans. Criticised by convention.

18th. Selling honey for cash or on commission; E. J. Atchley, O. P. Hyde and F. L. Aten. Criticised by convention.

19th. A better freight rate on bees; H. H. Hyde, E. J. Atchley, E. R. Jones and E. Y. Terral.

QUESTION BOX to be taken up at each session.

### An Amateur's Troubles.

BY JOE S. WISE.

EDITOR SOUTHLAND QUEEN:—  
Having seen a copy of the SOUTHLAND QUEEN and sent in my dollar for a year's subscription, I will proceed to give you a short description of some of my blunders

in the bee business, which have happened during my short career.

To begin with, I had one old box hive in the beginning of 1900, and as they did not swarm I took a notion that I wanted them in a better hive, so I bought five dove-tailed hives, with L frames and supers. I then prepared to drive them into one of these hives, and there was where my first mistake took place. I drummed nearly all of the bees into a box, which I placed on top of the hive and then I took out the comb from the old hive and put some of it into the new hive, by tying it in the frames. After that I bought two hives from a neighbor, and had learned more about driving them; I drummed a part of the bees into a box which was placed on the old hive and then put them in new hives on full sheets of foundation. I left a part of the bees in the old hive, and in two weeks I drove again and got another good swarm, and then melted the comb into wax.

Well, when I did this work, it was in July, and the bees did not have much chance to gather honey and as a result, they did not occupy more than half of the frames, and when winter came I took all of the extra frames out, and I had two hives which wintered on four frames each, and they did not have more than two frames of honey,

the other two hives wintered on three frames each, but I fed all of them a little during the winter. Now, as you probably know, we have had a very cold spring up to the first of May, and the bees did not increase much, but though some blunders, I have made my number of hives seven now, but have not gotten any honey yet. Though nearly all of the hives have the brood chambers filled with brood and honey. Should I expect any honey from them this year? I have one colony that is working in the super, and they are on half depth frames, but my other colonies are on sections, and they have not gone up stairs yet. I had no sections started, so you see I could not get them started in the supers.

Up to the present time we have been getting honey from white clover, but it is all dying out now, and by June it will all be gone. It is a new growth with us, as I have never seen much of it until this year, but think it will be a great thing for our bees.

I have read a great deal about long-tongued bees, but think the kind that would do us the most good here, would be some that would get the greatest number of workers in the field early in the season. I am sure that if I had had strong colonies by May first,

I should have been able to get a super from each hive every week during May.

I should like to know if you think it too late to try to Italianize a few hives from a queen which I have just introduced, and if not how would you go about it as the best way? Please answer this question by mail, and I will give you some more experience later on.

Hazlehurst, Miss., May 23, 1901.

### The Last Queen Reviewed.

BY H. H. HYDE.

The first article that greets our eye, is a general summary of the "Big and Little Hive Controversy," by L. Stachelhausen, and from it we deduct that the bee-keeper must chose for himself the size hive he should use, and that locality has all in the world to do with it, for some localities a 10 frame hive will be the best, and for a few, a hive even larger is advisable; then there are some localities that an 8 frame is perhaps best. But whatever the size hive, and whatever the management, we must at all times give the queen plenty of room if we would reduce the swarming propensity in our bees.

He goes on to show that there is no sure rule for the prevention of swarming, but while there may be methods that will work in an ordi-

dinary season, there will come a time when nothing we can do will prevent the issuance of swarms. His conclusions are just in line of my own.

The next to claim my attention will be ye editor's foot note to my article in that number. Now Mr. Editor, will you please show where, in that article, I said not to use those best queens for drones also. Certainly I would use them, but there should be at least a dozen next best queens, selected for drones as well as the two or three best breeders.

Then the editor puzzles me in those closing words, where he says: "Never in the world keep back that good part on the other side of our best queens, if improvement is the motto." Will the editor please explain himself, as I fail to see any other good side, but the queen and drone part of the business.

Mr. Thinar asks what it is that makes his honey bitter in the latter part of the season. My answer to the query is that perhaps he has horehound in his locality, we have it here, and sometimes it ruins a good deal of honey in the fall, but in the spring, it fortunately blooms early enough so that all the honey is consumed in brood rearing.

Then Mr. Scholl, as usual, gives us some news, from his report I

doubt if he can be beat for last year, anywhere in Texas.

Yes, Lewis, I have given that fellow who undertook to give chunk honey down the county, some hard knocks, and I think that he will keep still after this about chunk honey.

I see that Friend Aten has several bricks thrown at him by Messrs. Parker, Scott and Anderson, I can sympathize with him, and though I have not kept up with the arguments, pro and con, I will say, that from my experience, black bees will gather honey from cotton, but not as much as will the Italians, and I find this the case when all other plants are in bloom as well, but it is especially so with cotton.

On the frontispiece is shown what is called "Characteristic California View." This is a very fine view, and fine reproduction. Just such a view as makes you want to be there and take it all in with your own eyes. It makes what is undoubtedly a fine photo.

From the editorial department I quote as follows: "The man who reads is the man who succeeds." As an illustration let me quote one thing that Mr. Coggshall said to me while visiting him. The young man who did not read did not amount to much in his estimation. As is known, he has

had many young men in his employment. This is very reasonable and logical, and coming from such authority as Mr. Coggshall, should be borne in mind by every one, be they young or old.

Paying manipulations are the ones to make, there are many things that can be done with bees, but it isn't what can be done, but what can be done profitably and most expeditiously.

Moving bees to secure advantage of pasture not to be attained at home, has been practiced for about twelve years, by Mr. C. W. Post, of Trenton, Ont. Last year he secured about \$1,800.00 worth of honey by moving his bees, while if left at home he would not have secured this amount extra. "Wake up, Bee-Keepers, to The Changed Conditions," is the heading of an article in which it is stated that the best thing to mix with bees was a "few more bees," and that those who made the most, proportionately, was those who kept the most bees. The article is very much to the point and quite convincing.

Hutto, Williamson Co. Texas.

Friend H., you have made your own explanations, and we have nothing to add; there is only one very important thing to be observed in such matters, and that is, to be SURE we select our best queens for breeders on both sides. The drone plays as large a part in the breeding as the queens. This article should have appeared in May number, but was overlooked.

## Knows How to Get Bees Ready For Best Result.

[ BY J. J. RINEWALT. ]

TO SOUTHLAND QUEEN:

As I am a new beginner in bee-keeping, I thought I would write you a few lines.

I had eight stands of bees last spring, and increased to twenty, which I have brought through all right up to this time, February 2nd. As last year was a poor honey year, I got no surplus from my young swarms, my old stands averaged \$3 00 per colony; I run them for extract honey.

I want some one to tell me if it is not quite early for bees to begin brood raising in this part of the country? I was through my apiary on the first of February, and they are chuck full of young brood; have fed them a little all through the winter.

My honey flow comes about June the first; my honey plants are, fruit bloom first, then grape-vine and rattan; gum bush bloom, about June 10th, mint about June first, then cotton, corn, mesquite, and last broom weed.

How will Falls county do for bees?

Reagan, Texas, Feb. 2, 1901.

## Two Hundred a Minute, For A Beginner.

GEORGE B. CRUM.

Editor SOUTHLAND QUEEN:

My paper received O. K. I am a beginner in bees, have a colony of blacks which I transferred from box to L. size, eight frame hives, one of them is hustling things. I am going to try to raise section honey, I put on one super this morning; bees are coming in at the rate of 200 per minute, will they do anything in the super? They are working yellow jessamine, of which there is an abundance in the woods near here. I am in the central part of town.

I have been a reader of your paper for some time—sent me by a friend—and have noted descriptions of many honey plants, but have seen nothing of yellow jessamine, and thinking it might be of interest to you I will inclose one or two, and send you a box by this mail; I can give but little description of it, as it is new to me, having but lately come to this locality, there is an abundance of it, and bees gather nectar and pollen from it; it lasts about six weeks. Will write you again.

Brunswick, Ga., Feb. 19, 1901.

Fried C., we do not know the botanical name of the plants you send, but are glad to know that they are good for bees. It is likely that some one in your immediate vicinity can name the plant for us.

## Miscellaneous Subjects.

FROM LOUIS SCHOLL.

After re-reading several of the latest numbers of THE QUEEN, I find many articles upon which I might have had *a little to say*, but as time is quite a scarce article with the most of such persons, we will have to let a great deal pass on and left unsaid.

Yes, and just as scarce are articles from the pens of such writers as—well, time's too scarce to name all of them—used to write for THE QUEEN, so readable. Can it be that time with every one of them is so very scarce also? It seems as though it was.

There has appeared only one of the "Bee Talks" by H. H. Hyde, this season. Seems like it did not care to swarm out very much any more. Swarms are very scarce things, too, this season.

But he has given a system of management to follow, (page, 332) so as to have all single story colonies through the winter, as these build up faster in the spring.

For several years I have practiced this very same method, when my number of colonies was not very large, but when it reached fifty colonies, in my apiary, it seemed too much trouble and extra labor to pile up all the supers in the yard, to be put back again

as needed in the spring ; although the advantages of only a single story or brood chamber during winter and early spring were apparent.

This led me to think of something else, so instead of leaving the enamel cloth under the gable covers, it was put on the brood chamber, leaving all of the supers above. But this had to be removed in the spring, so last year I tried some of the heavy brown paper used by butchers, and putting a sheet on top of the brood frames, by just tilting the supers and all above, back. If honey is in the top supers, a hole can be torn in the sheet of paper to let the bees go for it above.

I would prefer to have the sheet of paper a little narrower than the hive is wide inside, leave a passage way next to the walls.

In spring, as soon as the colony gets more populous, and more room is needed, the bees will attend to the paper, gnawing it away, and saving the apiarist the labor of removing it.

Ha, ha, so the Rev. Jno. W. Pharr, and the editor know too, how to make brushed swarms. Seems they didn't quite know at first, so the bees had to show them. That's the only way to learn.

"Hurrah! for the May issue," is what I could have hollowed. Very

nice indeed. While E. R. Root is talking about long tongued bees, at Medina, O., we find the Atchleys illustrating four, five and *six* banded bees. Now I'd prefer a six band Golden, with long tongues. This would be a Root and Atchley combination, and I think a great deal of these folks.

That there Mr. A. G. Anderson, must not have been *done up* by the bees so very much, after all, according to the *rhymes* he had things to think about afterwards. By the way, he did not tell however, when he thought them out. Of course he was resting under them trees, but perhaps a whole week later.

All right, Mr. Anderson, but when you take your stroll, you will please remember where you intended to take that stroll to.

Page thirteen shows up in an editorial what bulk comb honey really is in the markets. Yes by the 100,000 lbs. in a lot. By the by, methinks the others will soon find out that there is another fellow up this way that will be out on the road hunting for 50,000 lbs. of such too. Yes, hurrah for bulk comb honey ; but other kinds deserve it also. And so it is no wonder that some are kicking one way and the others kicking another way.

Say, now, every body, read the editorial on page fifteen, of May



issue of THE QUEEN, again, and help along. It is in regard to exhibits at College Station. Notice the "Premium List" and the change made in the grand prize.

Instead of Leahy's Cowan extractor being the second prize, it will be offered for the *first prize*, as it is going to be an extractor—well, I can not explain. Mr. Leahy however writes me that it is going to have wings, and that they are growing now. So all try to have the best exhibit that was ever gotten up before.

Another prize of 50 cents will be given for the best gallon of honey vinegar.

### Watering Bees.

FOR THE QUEEN, by J. H. Andre.

I noticed an inquiry in THE SOUTHLAND QUEEN in regard to watering bees. I have used a tub with a strip of cloth sunken to the bottom and weighted there with a stone, allowing the ends of the cloth to hang on the outside of the tub. The water will pass up over the edge of the tub and drip from the ends on the outside. A piece of cotton underwear is best. The tub would need filling every day.

A cover could be put on by driving nails in the edge of the tub, through the cloth, leaving a space between the cloth and cover a little

less than bee space. No cover was used on mine as none of the bees were drowned.

This will do for a small apiary, but Mrs. Atchley's arrangement of a barrel and trough, is best, if fifty or more colonies are kept, but I should prefer fresh water every day.

Waverly, N. Y. May 3, 1901.

### One Correeshun.

BY LOUIS SCHOLL.

Vell, in dot last SOUTHLAND QUEEN,  
 "O, dot sholly pee-lifes!" ken pe seen.  
 But sum haf come ter object  
 Verkause dot vas nebber korreet.  
 Dot me ought to writ it not,  
 Verkause me nebber did it not.

Dey say dot vas nebber drue,  
 Unt me ought nebber such to do.  
 Dot mine bipe me nebber lits,  
 Unt in dot shades me nebber sits,  
 Verkause me hustles for dot honneys,  
 Dot pring me blenty much moneys

But me sees von mistake vas made,  
 Wen dot "lager-peer" me gount said  
 Und wone "leetle Gretchen" you see,  
 Der "leetle Lenchen" ought ter pe,  
 Unt verkause day so much objected,  
 Me thought dot me hat best korreet it,

Berhabs me vas nebber mistaken,  
 Und dot vas shust rongly taken,  
 Wen me tolds you all once bout me,  
 Unt mine sholly lifes mit ter bee.  
 Dey ought ter all found dot oudt,  
 An odder Dutchman me talked about.



## OUR SCHOOL.

Mrs. JENNIE ATCHLEY,  
INSTRUCTOR.



Please inform me if the southern states are favorable for bee keeping?

O. A. A. MOLDAL.

Chicago, Ill., March 7, 1901.

Friend M.: We think that most all the southern states are favorable for beekeeping, or a portion of each southern state. We think that there are a great many more advantages in the south, than in the northern states. Still, we never kept bees further north than middle Tennessee. There are more chances for a crop, in the south than in the north, but there are many drawbacks in any and all countries that we have kept bees in.

I have heard a good deal about Cyprian bees, and from what I can learn, the most serious objection to them is their bad temper. How would it do to cross them with Italians? Are they pleasant to handle when one is careful with them?

CHAS. H. MAWRAY.

Wareville, Conn.

Friend M.: We think that the Cyprian bees are all right, and a cross between them and Italians make a good allaround bee. When honey is coming in, and the proper care is taken in handling Cyprians, they are as a rule, but little if any worse to fight than other races, but they are long rangers during a dearth, and resent

rough treatment quicker. After all, they are the best comb builders, and stand always ready for a flow, and catch it when it does come.

Please tell me what a division board is, and a separator and a follower and a wedge. How are they used?

A. HILLENKAMP,

Forrest, Texas, March 24, 1901.

Friend H.: A division board takes its name from the fact that it is used as a dummy and hangs down in the hive and divides the frames of comb from the side walls of the hive. Some use only one on one side, and some use one on either side of the brood nest. Sometimes it is used to divide the brood chamber of a hive into two parts. The most use for it is at one side, to be taken out first when the frames are to be removed, which makes it easy to get out the frames.

Separators divide each row of sections.

A follower and wedge means a board set down at side of sections in the super, and a wedge is pushed down between super side, and the little board called follower, because it is made to follow up the sections, and made tight by the wedge so the sections will stay in place.

THE JENNIE ATCHLEY CO.

Kind Friends:—Would like to ask a few questions which you may answer through SOUTHLAND QUEEN if convenient. As I told you before, one of my colonies in a box hive swarmed, (this was March 28th) I was not at home when they swarmed, but think I know which box they came from, now the colony I have in mind swarmed yesterday,

April 11, it was only a small swarm. After hiving it in a frame hive, the whole swarm went back to its old home again, although the frame hive had been standing on the box's place (the swarm had been hanging high up in a tree.) Now what does this prove? Does this show that the first swarm also issued from this box and that it was a young queen with the second swarm, and if this is the case, can I transfer the colony out of the box hive into a frame hive, giving them frames of foundation, twenty-one days after March 28? Not having had holes made in my frames in factory, would like to know whether it is really necessary to wire the frames. Would ask, and write a little more, but fear to take too much of your time and patience.

OTTO SUELTFENFUS.

San Antonio, Tex., Apr. 12, 1901.

Friend S.: The reason your swarm returned to parent hive was on account of the queen or queens returning, and did not enter the new hive with the swarm. Likely it is as you say, that the first swarm issued from that same hive, and the other was an after swarm. Yes you can transfer such colonies twenty-one days after the first swarm issued and there will not be any brood in the way. We do not now wire any frames at all, as in our case the expense and trouble of putting in wires is never returned to us by the help the wire gives.

THE JENNIE ATCHLEY Co.:

I see in the May number of SOUTHLAND QUEEN, page nine, you say that the Italian is not the bee for the south, as their nursing power is not strong enough. Have the kindness to inform me which bee is the more adapted to the south, especially where there is a long season but often interrupted.

Yours truly,

JOHN NIPPERT.

Friend N: We think that the Holylands and Cyprians are the bees for the south, and some prefer the Holylands as they are just a little more docile. Taking all things into consideration, we prefer the Holylands, as they are the bees for a long season, and stand ever ready for a honey flow if given half a chance.

WHY TRY "COLLIN'S" WIND MILL?—Because, simplicity makes Durability; Heaviness makes strength; Ball Bearings makes it run light; Steel Gear don't cut out, or wear out, as quick as Cast Iron. The "COLLINS" has all these good points. Prices are right. Ask S. F. COLLINS MFG. CO. San Antonio, for catalogue and prices.

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Low prices on large or small quantities.

Special prices on car-load lots.

**R. W. Rogers,**

Hutto, Texas.

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Please mention THE QUEEN.

# THE SOUTHLAND QUEEN.

PUBLISHED MONTHLY.

E. J. ATCHLEY, - - Editor and Business M'gr.

..ASSISTED BY..

WILLIE, CHARLIE AND AMANDA ATCHLEY.

MRS. JENNIE ATCHLEY, Editress and Manager  
of School for Beginners.

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One year, in advance, - - -	\$1.00
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Three back numbers, all different, .10	
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## General Instructions.

Send money by registered mail, P. O. order, express money order or by bank draft. Do not send private check under any circumstances. One and two cent stamps will be accepted for amounts under one dollar—must be in good order. Our international money order office is Beeville, Texas, and all remittances from foreign countries must be made through that office.

Address all communications to

THE JENNIE ATCHLEY COMPANY,  
Beeville, Bee Co., Texas.

Entered at the Post Office at Beeville, Texas, for transmission through the mails at second class rates.

BEEVILLE, TEXAS, JUNE, 1901.

We will give the information concerning the free carriage of exhibits to College Station, also, the passenger rate, just as soon as we can learn the same.

Mr. E. R. Root could not get down to see us at Beeville, on account of his time being limited.

Mr. Willie J. Atchley, is superintending the June issue of THE SOUTHLAND QUEEN, the editor being absent on a trip of recreation accompanied by Mrs. Atchley and the juvenile members of the family, so should you find THE Queen deficient in any way, please attribute it to our want of experience in the line of journalism.

Our Mr. E. J. Atchley, Mrs. A., Rosa, Jennie, and Baby Emma, started for Cotulla to load a car of honey, June 1st. They reached San Antonio all right, but Mrs. A. was taken suddenly ill, but recovered sufficiently to pursue the journey by taking a sleeper on the I. & G. N. They all reached Cotulla June 2nd, and found Mr. S. Elliot awaiting them. Mr. Dunham, the jovial proprietor of the Dunham hotel, was on hand with a buggy for Mrs. A. and she was soon comfortably situated at the popular hostelry before mentioned, and on June 4th she was able to be up again. Mr. Charles Atchley, and Tom, his teamster, are also at Cotulla, having gone through with the bee wagon, or "iron clad," and they will pack and ship over a car load of honey from that place.

We have had two fine rains this week, on the second and fourth of this month, which we believe will insure us a nice honey flow within a week or so. We notice that the mesquite is beginning to bloom at this writing, but Mr. E. R. Jones says, that there is a small insect working on the blooms which he is afraid will damage it badly. We are in hopes not, for the mesquite is one of our old standbys, and we usually secure a good crop of very fine honey from it every year.

Corrections seem to be the order of the day: In Mr. Scholls lines, instead of as printed, should read:

Untware "leettle Gretchen" you see  
Dere someding else ought ter be.

Again, in Mr. Schall's closing paragraph of his "Miscellaneous Subjects" he asserts that, "instead of Leahy's Cowan extractor being the second prize, it will be offered for *first prize*, etc. This does not conform to advices received by us, which read as follows: "All pre-premiums and prizes offered for College Station Exhibit, will be revised and proper corrections made, as a Committee of the Secretaries will meet soon to confer with each other and make a final roud up," for July's SOUTHLAND QUEEN. So you see Mr. Scholl is a little premature, a little, to pre-vious in his assertion.

The folks at home have heard from "the old folks" not "at home" and the following is an extract from same: "Mamma is getting saucy, now, and I have to keep her down or she would be arrested; she wants to take in the town." We will bet our best dominecker rooster that the Chief never showed the above to Mrs. Atchley, before forwarding it.

ABILINE, TEX., June 6th, 1901.  
To the SOUTHLAND QUEEN:

About a week ago I met with the sorest and I believe the severest loss of my life, in the sweeping away and total destruction of my little apiary of seventy-five stands, the result of five years of close application, sacrifice and toil, by a sudden flood resulting from a cloud burst a few miles up the valley above, destroying all the colonies and sweeping for many miles my hives, with perhaps 500 pounds of honey and stores just ready for the market. It is therefore my request that you publish this notice in THE SOUTHLAND QUEEN, with the request that any who may feel so disposed may send me one or more queens, so that I may divide up a half a dozen stands left me at another place, and possibly buy a few colonies and rebuild my apiary.

Hoping a fellow feeling in kind-

red business may prompt some to do so at once, I am very respectfully,

JOHN KERSHAW.

MR. JOHN KERSHAW, Abaline, Texas

DEAR SIR: Heartily sympathizing with you in your losses, and sincerely hoping that you may soon be able to replace them, we hasten to inform you that we will forward you a couple of queens in about a fortnight. Hoping that your request may be generally complied with we remain, yours truly,

JENNIE ATCHLEY CO.

Per WILLIE ATCHLEY.

It seems that our factory hands won't get to take their usual vacation this season, as orders continue to come for supplies. Our supply trade is holding out better this season than usual.

#### Bees-Wax Up.

We offer 27 cts. per lb., in trade, for bees-wax laid down at Beeville, prepaid, until further notice. Put your name and address on the package and tell how much you send.

THE JENNIE ATCHLEY CO., Beeville, Tex.

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W. H. Pridgen, of Creek, N. C., now offers Queen Cups for sale at \$2.00 per pound, post paid, and is prepared to fill orders promptly with untested Queens at 75 cents each, either leather colored or golden

j n-1901.

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**The Jennie Atchley Co.,**

Beeville, Texas.

Belting,

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Hutto, Texas.

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Patented 1878, 1882 and 1892.

Smoke engine { largest smok- 4-inch stove } er made	Per Doz.	each
Doctor, 3½ inch stove	\$13 00.	Mail, \$1 50
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Large, 2½ "	6 50.	" 1 00
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**BINGHAM**  
Bee Smoker



PATENTED  
1878, 1882 and 1892.

All Bingham smokers are stamped on the metal



Patented { 1878 } Knives, B&H  
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The four larger sizes have extra wide shields and double coiled steel wire handles. These SHIELDS and HANDLES are an AMAZING COMFORT—al-

ways cool and clean. No more sooty or burnt fingers. The Plain and Little Wonder have narrow shields and wire handles. All Bingham Smokers have all the new improvements, viz: Direct Draft, Movable Bent Cap, Wire Handles, Inverted Bellows, and are in every way ABSOLUTELY PERFECT.

Fiteeh Years for a Dollar! One-half a Cent for a Month!!

DEAR SIR: Have used the Conqueror 15 years. I was always pleased with its workings, but thinking I would need a new one this summer, I write for a circular. I do not think the 4-inch Smoke engine too large.

Yours, etc., W. H. EAGERTY, Cuba, Kansas, January 27, 1897.

T. F. BINGHAM, Farwell, Mich.

Are You Looking For It?  
**WHAT?**

Are you looking for Foundation to use this year? Then, don't look any farther; as DADANTS, have now been before the bee-keeping world, for many years, stands without a rival today. If you never saw any of Dadants' foundation, send a Postal for free sample, together with their catalogue. They guarantee every inch of their foundation to be as good as sample sent, and no complaints ever come against it. They have also revised, Langstroth on the hive and Honey Bee, and you can scarcely afford to do without this large and valuable book. Post paid \$1.25. We sell every thing needed in the apiary.

CHAS. DADANT & SON, Hamilton, Hancock Co., Ills



## Bee-Keepers Supplies For Texas.

To our many friends and patrons in the "Lone Star State" we wish to say that we have recently opened a Branch House, at Hutto, Williamson County, Texas, where we will keep almost a complete line of the best goods manufactured, and at prices to suit the purchaser. We have the good fortune to procure for the management of this Branch House, those veteran bee-keepers and queen breeders, O. P. Hyde & Son, who will fill your orders with as much care as though you send them direct to us. Bee keepers in Central and Southern Texas will do well to get our Texas prices before ordering elsewhere. Remember we will not be undersold or beaten in quality. Our goods are the best made. See what others say of them:—

Round Rock, Texas, Jan. 23rd, 1901.

R. B. Leahy. Dear Friend:—I have received the 75 hives you shipped me and must say they are the best put up hives I ever saw; everything fits so nice, and such fine lumber too. I am also highly pleased with my foundation. Those "Higginsville" ventilated covers are "DAISIES." I would not exchange your goods for the — goods that are being off red here.

Yours truly, FRANK L. ATEN.

Hutto, Texas, Jan. 11, 1901

Leahy Mfg. Co., Higginsville, Mo. Dear Sirs:—Received my supplies yesterday, 10th. I am well pleased with same, beyond my expectations; also foundation. It is the best L. B. Fdn I ever saw or bought. You are right; it makes a fellow smile when he looks at it, and I think the bees will smile too.

I am yours truly, HENRY SCHMIDT.

Floresville, Texas, Jan. 21, 1901.

Leahy Mfg. Co., Higginsville, Mo. Gentlemen:—The car of goods you shipped me is O. K. Every appearance indicates that in their packing there was an eye single to having everything especially nice and correct. Have delivered some hives to James Bell, of Fairview, who reports having made up some, and states they are the nicest and most perfect made lot of hives he ever saw.

Yours truly, M. M. FAUST.

## LEAHY MANUFACTURING CO.,

Hutto, Williamson Co., Texas, and Higginsville, Mo.

tf Please mention THE SOUTHLAND QUEEN when answering this advertisement.

## Root's Bee-Supplies. \* Near Your Home.

I get Root's goods by the car load and can save you that freight. Thirty-six page catalogue free. Correspondence Solicited.

Udo Toepperwein, Leon Springs, Bexar, Co., Texas.



# NOW IS THE — TIME TO ORDER.

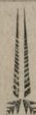
Don't wait until your bees are

## Hanging on a Limb,

to order your hives and supplies,  
but order them now, and be  
ready for them when . . .

## They do Swarm.

### REMEMBER



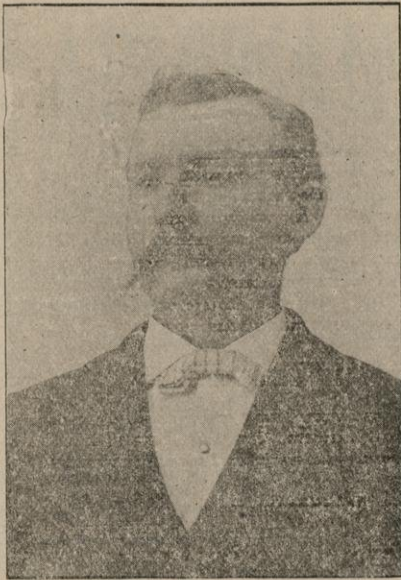
That we carry a full line of Bee-Keepers' Supplies, and everything in the Bee-Keeper's line, such as Hives, Frames, Extractors, Smokers of all kinds, Foundation and anything you may want in the Bee line. Bees and Queens. Catalogue free. Read the following testimonial—such we are receiving:

TO WHOM IT MAY CONCERN:—I want to say, in justice to The Jennie Atchley Company, that I have been doing business with them for three years, having bought a number of queens from them, also a number of other articles, such as hive fixtures, swarm-catchers, smokers, bee-veils, etc., and everything has come up just as represented. I take pleasure in recommending them to any one who wants to purchase apiarian fixtures.

H. L. ROWLAND, Leo, Texas.

# The Jennie Atchley Company,

Beville, Texas.



## NUCLEI FOR SALE.

One-frame, bees, brood and queen, \$1.75. Two-frame, \$2.50. Three-frame, \$3.00. Discount on larger lots. All queens from imported mothers. I will also sell full colonies. Write for prices.

**FRANK L. ATEN,**  
Round Rock, Texas.

7-9

Please mention THE QUEEN.

## New York Quotations.

The market for both extracted and comb honey is rather dull. We quote:—  
Fancy white comb, 15; No. 1, 14; No. 2, 12; Buckwheat, 10; Buckwheat extracted, 5½; Beeswax, 28.

FRANCIS H. LEGGETT & Co.,  
Franklin, West Broadway & Varick Sts.,  
Feb. 18, 1901. New York City.

## EVERYTHING NEEDED.

W. H. White, manufacturer of bee-keepers' supplies. Catalogue and price list free. Make known to me your wants and let me make you an estimate.

Address, **W. H. White,**  
Blossom, Lamar Co., Texas.

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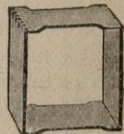
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in car lots—wholesale or retail. Now is the time to get prices. We are the people who manufacture strictly first-class goods and sell them at prices that defy competition. Write us today.



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I have them, as daily letters testify. Recent conclusions force the belief that the leather-colored strain of three-banders excel in honey-gathering. If you want Goldens my strain takes the lead of all others, and I have tried them all; 250 colonies for honey, and 200 strong nuclei that will winter over. I am prepared to send you a queen any day you may order. Tested or untested queens, \$1.00. Leather breeders, \$2.50. Owing to increased demand straight 5-band breeders are \$5.00 each.

## W. H. Laws, Beeville, Texas.

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### A Liberal Offer.

We will give as a premium for every new subscriber with \$1.00 this year, one nice untested Italian queen, and to all old ones that will pay up and one year in advance. Jennie Atchley Co.

Beeville, Texas.

## Bees Pay in Colorado

As they do nowhere else on earth. If you want to learn all about the marvelous honey resources of this favored region you should subscribe for the

### Rocky Mountain Bee Journal.

Monthly, 50 cents per annum. Sample copy free. Address as above.

Boulder, Colorado.

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 ❀ description of it and let us give ❀  
 ❀ you an estimate of its cost. ❀  
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6-8

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# LARGE Apicultural Establishment

(Established in 1860)

for the Rearing and Export of queen bees

PURE SELECTED ITALIAN KIND

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6 " Queens	" 9.25	" 7.00	" 5.75
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# Bee Bulletin.

The official organ of the New South Wales and Victorian Bee-Keepers. It circulates through all the Australian colonies, New Zealand and Cape of Good Hope.

Subscription—5s per annum in advance, if booked, 6s 6d.

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According to E. R. Root's measurements our BREEDERS' BEES show a tongue-reach of 20 and 21 hundredths inches. We are now booking orders for breeders to be delivered in August and September. These queens will produce bees showing 95 per cent. (or better) straight 5-banders and have a guaranteed tongue-reach of 19 hundredths or better. All queens large and prolific. Price, each, \$5.00. Orders filled in rotation.

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We also have a fine stock of 3-band Italians at the same prices. Give our stock a trial. Our motto good queens and prompt attention to business. Send for our large queen circular, giving our methods of queen-rearing, honey-production etc. We want every bee-keeper to have it. Remember we have one among the best stocks, and also one among the largest queen establishments in the south.

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7-8

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