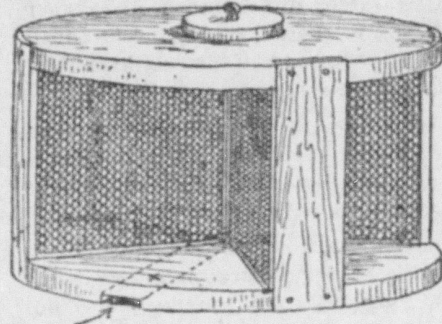




### OBSERVATORY HIVE IS NEW

All the Doings of Bees and Queen Can Be Watched—Found Quite Handy and Is Inexpensive.

My observatory hive consists of two circles of inch wood made exactly the same size, and with a three-inch hole cut out of the center of each, writes Walter Chitty in the Gleanings in Bee Culture. At the bottom of one of the circles a bee entrance is made which reaches as far as the center hole. The bees can run



Observatory Hive.

Along to the center, and then ascend. Four pieces of wood, about three inches wide, are firmly fastened with screws, as shown, and three grooves are cut in each of these pieces, and corresponding grooves in the two large circles. The center grooves are for foundation, and the other grooves for glass. The foundation could be wired if desired; but if good thick foundation is used I find wiring is not necessary.

The hole at the top may be used for feeding or supering. Special supers could easily be made, another hive of the same sort put on top, or a bell-glass, as fancy dictates. I find this a very useful and handy hive for observation purposes, and the making material are not at all expensive.

All the doings of the bees and queen can be seen; and to keep them in the dark I merely put corrugated paper around it, and keep the paper in its place with a piece of elastic. In winter time, three or four folds of paper could be used to keep the bees warm. These hives would do well for indoor observation, or in a beehouse.

### MANY FAKES WITH BEES

Nonswarming Hives Are Delusion, Pure and Simple—"Shook Swarm" Plan Is Described.

Most of the so-called nonswarming hives are fakes pure and simple. The very last word on the subject is that of the "shook swarm" plan, that enables the beekeeper to swarm each hive artificially at his convenience and not that of the bees. This is the best method in vogue and is really very simple. Dr. D. Everett Lyon explains the process in the Farm and Home: When a hive gives evidence that it is thinking about swarming, as seen in the bees clustering on the outside of the hive and the presence of queen cells started in the brood nest, it is time to shake them.

Take an empty hive with lid and bottom board in place and with the frames of the hive containing strips of foundation wax in place as full combs. Place the empty hive alongside the one about to swarm and then, lifting the brood frames from the old hive, shake off from each frame almost all the bees until all the frames have been so shaken in front of the new hive, being sure to shake the queen along with the bees.

Then set the old hive with its brood nest off some distance and put the new hive with the bees in its place. Be sure to take all the storage chambers from the old hive and place them on the new hive into which the bees have been shaken. The working force is with the new hive and that's where we want the storage chambers, which will be quickly filled, as the bees, having only started strips of wax in the brood combs, must, of necessity, store the honey coming in the next few days in the upper stories until such time as they will get the starters drawn out into full combs.

### COVERING ALFALFA IN CORN

Home-Made Device Shown in Illustration Found Quite Convenient in Southeastern Ohio.

Sometimes farmers obtain good results from sowing alfalfa between the rows of standing corn. Where this is done it is often a puzzle to get the seed properly covered. The accompanying illustration is a home-made plank drag, 34 inches wide and



Plank Drag.

22 inches long, that is used for a purpose on a small alfalfa and truck farm in southeastern Ohio, where the Ohio station has experimented in determining practical methods in small farming.

### FIGHTING PESTS IN GARDENS

Larger Squash Bugs Found Harder to Control Than Other Insects—Treatment Differs.

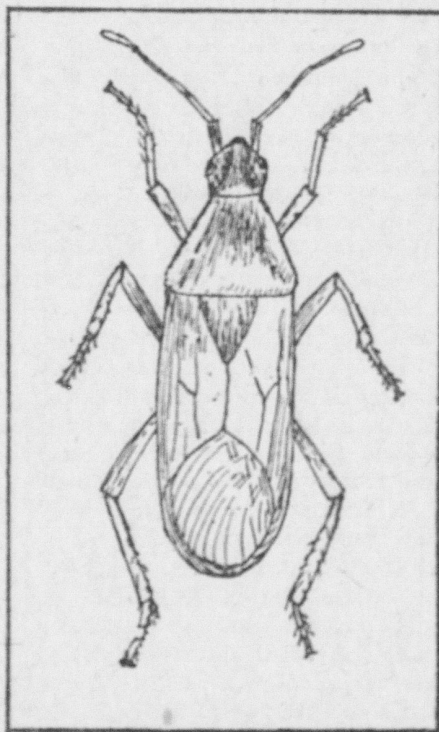
All of us are bothered more or less, with injurious insect pests in the garden, and with dealing with them the first thing to be determined is whether they are chewing or sucking insects, whether they eat the leaf or extract its sap. There must be entirely different treatment employed in the two cases.

The chewing insects are comparatively easy to get rid of, unless they are working on the foliage, which will be injured by the application of a poison strong enough to kill the insects.

The sucking insects insert their bills through the skin of the leaf or stem that they are feeding on, so as to extract the juice, therefore no matter how much poison is applied to the surface, the insects get none of it.

For the striped beetle, which is destructive to squash, cucumber and melon vines, a slight application of lime, tobacco dust, plaster, or ashes, will be found a good preventive, and will also drive away those which may have already appeared. Sometimes, however, the ashes will burn the foliage if rain falls soon after they are applied, so on the whole lime, and plaster, or tobacco dust are better for the purpose, says a writer in the Farm Progress. Some keep a healthy bunch of onions growing in each hill, brushing the leaves occasionally, so as to hide the smell of the vines from the beetles.

The larger squash bugs have been the most troublesome and the hardest to deal with in our garden. They are sap suckers, and there is nothing



A Squash Bug.

we have found that will kill them which would not at the same time be injurious to the plants, so hand picking seems the only remedy. It makes quite a difference in the amount of work done whether hand picking is commenced early in the season or not until the new crop of bugs appear.

**Imported Potatoes.** The secretary of agriculture warns American farmers against using imported potatoes for home production. Europe has several potato diseases not known to this country and there is danger of introducing these diseases if the imported product is used for seed. The foreign-grown are all right for table use, but for cultivation they carry no little risk.

### Bees and Farm Notes

The humus content of the soil is important in the orchard.

To keep lawns in good condition, practice weekly mowing.

Thousands of bushels of grain are spoiled every year by poor stacking.

Alfalfa is ready to cut when the crowns begin to send up new shoots.

Train up the tomato plants, it will give them size and they will bear better.

Don't forget to take water to the field for the horses during these hot days.

It is a well known fact that alfalfa does not do well upon an impervious subsoil.

The growth and feeding value of the soy bean is quite like that of the cowpea.

"Too little phosphorus" is the cause of many of the low yields on corn belt soils.

There seems to be a good deal of prejudice against millet because it exhausts the soil.

The yellow condition of the alfalfa indicates that it has not received sufficient nitrogen.

Sand and hairy vetch compare very favorably with alfalfa and clover hay as a feed for milk cows.

It is estimated that ten years of single cropping will wear out any but the very richest of soil.

Use the hoe in the garden a little every day. It will give good returns for all the time you put in that way.

Baling corn fodder is a new idea, but if it works out well it will save a good deal of hard and disagreeable work.

It is always a good plan to use plenty of seed in planting cucumbers, cantaloupes, melons, etc. The hills may be thinned out later.

Oats and peas should be cut for hay when the oats are in the milk stage and the advance pea pods contain reasonably good sized peas.

### MILLER HUGGINS AS BIG LEAGUE MANAGER



Veteran Second Baseman Huggins of Cardinals.

Miller Huggins is playing his last year with the Cardinals. That is, the tiny second-sacker will depart if Manager Roger Bresnahan can put through a deal this winter that will strengthen the National league troupe.

Huggins is not to be traded because Bresnahan envies the brains of the "Rabbit," or because there is ill-feeling between the boss and his tricky little assistant, but because Miller



Manager Kling of Boston.

Huggins has the managerial bee buzzing in his bonnet.

There are not many more years of major league baseball left in Huggins. Miller knows that, also Roger. But there is a head on the shoulders of the pee-wee that contains a lot of smart baseball, and one that holds as much baseball knowledge, inside and outside, as almost any of the present day managers.

There is a standing order between Bresnahan and Huggins now that if

the second-sacker can arrange a trade for himself that will strengthen the Cardinals it will go through. Last winter it was thought that Huggins would become leader of the Cincinnati Reds, and when Miller was in the running for the job he was given permission from Bresnahan to open negotiations for a trade.

When Hank O'Day was appointed Huggins lost out. But he continues to seek a position as general director and if any bids are received he will be allowed to depart, of course, providing Bresnahan is pleased with what he is offered.

If Huggins leaves the Cardinals after this year when Lee Magee will become the second baseman. Magee is outclassed by Huggins in experience, but Lee is speedier than his opponent, is a better hitter and is going to become one of the best base runners in the circuit.

Then Bresnahan thinks that he has the coming greatest second baseman in the game in Magee. He is an ardent admirer of the Cincinnati lad for the simple reason that he has copied Roger's style perfectly—being full of vim and dash and wide awake all the time.

For the present, and probably for the rest of 1912 Magee will do left field duty.

Huggins probably would have gone to Boston when the Cardinals were in the east, but for John M. Ward and his co-worker, James Caffney, being attacked with cold feet. The bosses of the Braves and Johnny Kling, are not working in harmony, and it has been hinted often that Kling is not a shrewd or smart leader.

The opening for Huggins is Boston, unless Garry Herrmann ousts Hank O'Day in Cincinnati. Both teams have material that could strengthen the Cardinals, and when Roger Bresnahan gets ready to talk with his toes for Huggins, he is not going to put a 10-20-30 tag on pee-wee Miller.

### PLAYED IN VARIOUS LEAGUES

Jack Graney Has Every Other Member of Cleveland Team Beaten as to Experience.

"Jack" Graney has every other member of the Cleveland outfit outclassed and tied to the starting mark when it comes to variety of experiences. A year ago Jim McGuire led the field. Though younger in years, "Jack" has already performed in seven different leagues with the following clubs: Erie, Pa.; Fulton, N. Y.; Rochester; Wilkes-Barre, Cleveland, Columbus, Portland, Cleveland.

Beat it if you can. And he's still so young and frisky. Even Nap Lajoie, the vet in years of the squad, doesn't compare with "Jack." Larry has confined his efforts to three clubs, Fall River, Athletics and Cleveland. "Tuck" Turner and Joe Birmingham, the other vets, also stand near the foot of the list. "Tuck's" record shows a trial with Pittsburg, subsequent development at Columbus, and finally a trip to Cleveland. Joe Birmingham displayed his talent with the A. J. and G. team of the N. Y. State league, before Cleveland grabbed him.

### Tris Speaker Best Player.

Billy Murray, one of the best judges of a ball player in the country and who is now acting as scout for the Pirates, awards the palm for being the best player to Tris Speaker. Says Billy: "You can praise Ty Cobb, Joe Jackson and the other great outfielders in the big leagues, but none of them is in the class with Tris Speaker of the Red Sox. Speaker is the best player on the diamond today. As a hitter, fielder, thrower and base runner he has Cobb and the others beaten. I've seen all the stars of twenty-five years, and the Beanester is the king."

### JOHNSON IS GREAT PITCHER

Has Added to His Terrific Speed Excellent Control, Slow Ball and Quick Breaking Curve.

"Walter Johnson is today a perfect pitcher," said one of the veteran umpires of the American league recently in discussing the Washington marvel. "If you could have a hurler made to order you couldn't design one who would be a bit more effective than the big Swede, whose name is a terror to the best batsmen in the country."

Johnson isn't using his terrific speed much nowadays. In fact, he seldom cuts one loose with all his might unless he happens to be in a tight place and opposed to a hitter who is weak on the fast ones. He throws a lot of fast balls with a break on them still, but they are not of the old armor-piercing type that made him famous.

"At one time he had to depend almost entirely on the velocity of his ball and his control to make him formidable, but now he has acquired a good curve and a nice change of pace. For some time he has been experimenting with a slow ball, and now he has got command of it. Think of the deadly efficiency of a slow one coming after a ball that has been turned through a mile a minute.

"Walter's curve is not the widest in the world, but it is a quick one, and the break plenty large enough to ac-



Walter Johnson.

complish the desired purpose. His control, which always has been good, seems to be improving.

"On top of this he has a splendid disposition for a pitcher. Nothing seems to rattle him. Some pitchers get up in the air if they think an umpire has missed a strike in a pinch, but Walter just smiles, knowing that he can lay the next one over if he has to. He is by all odds the greatest pitcher in the game today and to my mind there never lived one who was any better. As near as any human being can hope to achieve in any line of endeavor Johnson has achieved it as a pitcher."

### MODERN BASEBALL IS FASTER

Nothing to Be Accomplished by Wordy Controversy on Merits of Old and Young Players.

There may be some good accomplished through a wordy controversy whether or not baseball is faster than it used to be, but just exactly how this is to effect the best of living is not so perfectly apparent, says the Milwaukee Sentinel.

The old fellows who have had their day and who are continually looking backward, seem to think that they played faster and better in the olden time, but the young men who are now engaged in making baseball history are dead sure the old timers were truck horses in comparison with them.

There is no reason why the old-timers could not hit a ball just exactly as hard; run just as fast and field just as accurately. It may be that owing to the development of pitching they would not have an opportunity to hit and run as often, and inside baseball may be developed more than it was in the olden times, but grant all this and what's the answer?

It pleases us who remember some of the old-timers to think they were just as good as the best, but that may be that we are mistaken. At that, it is pretty hard to see what is going to be accomplished by the disillusionment. If the men of today are much better than they used to be, let it go at that. Nothing can be accomplished by arguing this question any more than can be by indulging in a controversy over politics or religion.

### Boston Lands Western Player.

The sale of Pitcher Wynn Noyes of the Spokane club to the Boston club of the National league has been announced. Noyes, who is the star right-hander of the Spokane club, will not be delivered until the close of the Northwestern league season.

### Sharp Pains In the Back

Point to Hidden Kidney Trouble. Have you a lame back, aching day and night?



Do you feel a sharp pain after bending over? When the kidneys seem sore and the action irregular, use Doan's Kidney Pills, which have cured thousands.

**A New Jersey Case**  
Louis Hunter, 45 E. 2nd St., Bayonne, N. J., says: "I was in such bad shape I often fell. The suffering I underwent would have killed a weaker man. I doctored constantly, but grew no better and the last doctor gave me no hope. Doan's Kidney Pills cured me entirely, and I feel they saved my life."

Get Doan's at any Drug Store, 50c. a Box

**Doan's Kidney Pills**

BEYOND LIMIT OF PATIENCE

Uses of the Telephone Will Be Apt to Condense Mr. Busman's Brief Loss of Temper.

He was just about exasperated with the telephone, was Mr. Busman.

Ten times that morning he had tried to get on to a number, and each time something had prevented him from speaking. Either it was "number engaged," or the person he wanted to speak to was out, or else he had been suddenly cut off. At last he got through.

"Hallo!" said he. "Is Mr. X. there?"

"Yes," replied a voice. "Do you want to speak to him?"

That was the last straw. Back came the reply in lay tones:

"Oh, no! Nothing of the sort. I merely rung up to hand him a cigar!"

### Making Himself at Home.

Doris was radiant over a recent addition to the family, and rushed out of the house to tell the news to a passing neighbor.

"Oh, you don't know what we've got upstairs!"

"What is it?"

"It's a new baby brother!"—and she settled back upon her heels and folded her hands to watch the effect.

"You don't say so! Is he going to stay?"

"I guess so,"—very thoughtfully.

"He's got his things off."

### Telling Comment.

Ty Cobb of the Tigers said at a recent baseball banquet in Philadelphia:

"I admit that there is too much loud talk, too much arguing and wrangling and chin music in a game of baseball.

"I know a man who was seen the other day getting into a taxicab.

"Where are you going?" they asked him.

"I'm going to hear the ball game," he replied.

Does a girl take a stitch in time when she mends the clocks in her stockings?

### FAMILY RUNT

Kansas Man Says Coffee Made Him That.

"Coffee has been used in our family of eleven—father, mother, five sons and four daughters—for thirty years. I am the eldest of the boys and have always been considered the runt of the family and a coffee toper.

"I continued to drink it for years until I grew to be a man, and then I found I had stomach trouble, nervous headaches, poor circulation, was unable to do a full day's work, took medicine for this, that and the other thing, without the least benefit. In fact I only weighed 116 when I was 28.

"Then I changed from coffee to Postum, being the first one in our family to do so. I noticed, as did the rest of the family, that I was surely gaining strength and flesh. Shortly after I was visiting my cousin who said, 'You look so much better—you're getting fat.'

"At breakfast his wife passed me a cup of coffee, as she knew I was always such a coffee drinker, but I said, 'No, thank you.'

"'What!' said my cousin, 'you quit coffee? What do you drink?'

"'Postum,' I said, 'or water, and I am well.' They did not know what Postum was, but my cousin had stomach trouble and could not sleep at night from drinking coffee three times a day. He was glad to learn about Postum, but said he never knew coffee would hurt anyone." (Tea is just as injurious as coffee because it contains caffeine, the same drug found in coffee.)

"After understanding my condition and how I got well he knew what to do for himself. He discovered that coffee was the cause of his trouble as he never used tobacco or anything else of the kind. You should see the change in him now. We both believe that if persons who suffer from coffee drinking would stop and use Postum they could build back to health and happiness." Name given by Postum Co., Battle Creek, Mich.

"There's a reason." Read the little book, "The Road to Wellville," in pkgs. Ever read the above letter. A new one appears from time to time. They are genuine, true, and full of human interest.

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