

the individual can do much for himself by keeping his own yard clean and free from infection; but he is in constant danger of reinfection from his neighbors, if they fail to coöperate with him.

A Brief Account of Treatment for Brood Diseases

Those who are most experienced in the suppression of brood diseases are agreed that "shaking," which is practically "shook swarming," and modifications of this process are the only successful methods.

SHAKING

Shaking is briefly this: As soon as a colony is discovered diseased, and at a time when there would be no robbing, it is shaken on the old stand into a hive containing new frames with narrow strips of foundation. In this way none of the contaminated honey is deposited in the new cells. Should the disease reappear, which is sometimes the case, the operation must be repeated. In order to prevent the bees from swarming out, the queen may be caged in the hive for a few days or the entrance closed with a piece of queen-excluding zinc. Care should be taken not to scatter parts of the contaminated hive, particularly the honey, where bees can get at them.

DISINFECTION OF HIVE MATERIALS

Honey, unless it has been boiled as above described, should never be fed back to bees. Wax, however, after being rendered and manufactured into foundation, is commonly used without apparent danger. It is customary in the East to put bees back into hives which have formerly contained diseased colonies, after they have been thoroughly cleaned of all bits of wax and honey. In the West, however, the hives are either burned out with oil, with a blue-flamed torch, or are disinfected with strong chemical disinfectants. All frames should be burned, since it does not pay to clean them.

LAYING WORKERS—WHAT TO DO

I have been having a little experience with a colony of bees, as follows: I hived a swarm with a virgin queen. In due time I examined the colony and found that the virgin had been lost. I at once gave them a ripe cell, which was soon hatched, and virgin No. 2 accepted, but she also was lost. I then introduced virgin No. 3, and she was also accepted, but before she was old enough to be fertilized, laying workers put in their appearance. I caught two of them at the job and pinched them. At the same time I saw by the appearance of the virgin that she had just returned from her wedding trip, as the organs of the drone were still protruding from her abdomen. At this date the laying workers are still on the job, and so is the queen. If you want to see a hive bang full of eggs, come over. What will become of this colony if left to themselves, and what could be done to get things going as they should? I once had a colony with laying workers, and I removed it from its stand, put a hive with drawn comb in its place, then carried them about thirty rods from the yard and scattered them all over the field, but the laying workers came back with the bees.

H. D. McINTYRE.

Galt, Ont.

[We do not think this hive will amount to anything. It could be doubled up with another strong hive—but there would be danger of having the queen of this hive destroyed, and if this should happen, you two hives would then be in possession of the laying workers. We think it best, therefore, not to do this. The bees of this colony are all old. For this reason it does not amount to much. It would be best to destroy it. If your heart will not permit you to destroy it, act as follows: Take the bees a couple of hundred yards from their stand and shake them all over the combs, and put the hive and comb

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