

What is the young bee-keeper to do when he leaves this session. Next season will he adopt any of these plans, and can you guarantee him success? We want a hive, or we want a system, that will control swarming during the production of comb honey, and then we have got it without doubt for the extracted, and that is the point at which I am laboring. Dr. Miller has been for years working on a non-swarming system in producing comb honey. That is what we are after. We must not have manipulation that will tamper with natural workings of the colony. So sure as we remove the queen, so sure as we cut the queen cells out, so sure as we divide, we are placing the colony in an abnormal condition. Isn't that right, Dr. Miller?

Dr. Miller—Not fully.

Mr. Aspinwall—You have placed them in a desperate condition. The removal of the queen does not necessarily compel them to make as many queen cells as when you have thwarted the swarming by removing the cells only.

There is another point in regard to controlling swarming that has been mentioned here, and that is in reference to the numerous methods set forth in the paper. No one of those methods prevents swarming to the fullest extent. It controls the evil or bane of bee-keeping to a certain extent only. As the writer admitted, there was no one system that could be wholly relied upon. You will pardon me for taking the stand that it must be done mechanically, as well as by the system adopted in connection with it. I know the bee-keeping world is working on another plan, and decries the principle of a hive that will control swarming. I recollect very well in the days of Quinby, Mr. Hazen, who experimented quite largely, lived in my neighborhood. Professor Cook refers to him as making an effort to control swarming

by a non-swarming hive, and he offered such a hive to Mr. Quinby, with whom I was well acquainted.

The matter of giving sufficient room is another factor, and that is what Mr. Hazen did, simply giving surplus room on all sides and the top, the hive in other respects remaining the same. I don't care how much room you give a colony so long as there are six to fourteen combs, as the case may be; the bees may make rapid increase with a fertile queen or otherwise; when those combs are filled any outside appliances for room will not compel them to leave that brood-nest, until they are compelled to by the honey-flow. During that time the brood-nest is overcrowded, and the result, in many instances, no matter what the room is, such a season as last season, notably in my location, would be to have a great number of swarms. In my locality the impulse was something enormous, one third of my queens being mated with black drones last season.

Dr. Miller—As to cutting off the cells there was a time when I most thoroughly believed the cutting of cells did not have any effect at all. Now, actual practice and trial have made me change my views, until I know that in many cases the destruction of cells will stop the swarming. Sometimes it would be just the destruction of cells once in the season, and sometimes the second time would do it, other times not. There are so many exceptions to that case, and all I cared for was to have the actual truth known about it. Here were 50 colonies and in all of them the cells will be destroyed; perhaps in some of them there will be no swarming, and perhaps in 40 of them there will

Biting a nail in two is not good for the teeth. Quarrelling with a competitor breaks the enamel off your success.—Montreal Star.

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