

so easily. Even resin has been put in with bees wax with paraffine with the object of hardening it but it will melt no matter how much resin is put in.

Question: What size of hive would you advise for a colony?

Mr. Pettit: The size of hive I have used with a large measure of success is equal to the ten frame Langstroth hive. This is a splendid comb honey hive. It is a good hive for extracting honey but I think from experience for my locality the brood chamber is not quite large enough. I have placed my order for one hundred twelve frame Langstroth hives next year.

Mr. Dickenson: I think that is quite a change from what our Bee Journals and supply men have been recommending. The eight frame Langstroth has been the standard; and when men follow the recommendations of the bee supply men and those who have made a study of what is the best hive and have also read our bee Journals they are at a loss to no what to do when they have got their apiary up to one hundred and fifty colonies or more and two or three hundred boxes of surplus combs that they cannot get more than eight frames into. Mine hold nine; fortunately I am one better than eight. I really do feel for those people who have been recommended to use the eight framed hive when I hear such an able man as Mr. Pettit recommend the twelve frame.

Mr. Pettit: I am always anxious to have advise but I always want to work from my own experience and every year I find myself adopting new ideas and changing my plans. If my queens could not produce more brood than the eight frame hive would hold I would not have them.

As to this two story hive arrangement with the Langstroth depth, I

have tried the two story brood chamber to a limited extent and my experience has been that the lower brood chamber is largely deserted by the queen and bees. The queen goes up into the upper story and in the course of a few weeks when brood hatches out from below it is like a deserted hive.

Mr. Gemmel: That has never troubled me.

Mr. Holtermann: It has me.

Mr. Hall: Mr. Hall is an old fashioned fellow and he has the old fashioned hive and you must not laugh at it if you please. I commenced twenty-seven years ago with what was supposed to be the Quinby frame and instead of being the Quinby frame it is $1\frac{1}{2}$ inches longer and my little hive contains equal to eleven frames Langstroth and if I had any change at all I would want one or two more frames Langstroth added to it but I have got all I want to use for my life time.

Mr. Byer: I think Mr. Pettit is quite within his right in advising any size he wishes provided it is an eight frame Langstroth hive. Personally I want a ten or twelve frame hive only I want it two inches deeper than the Langstroth.

Mr. Holtermann: I believe there is rapid change in the direction of using a larger hive. I believe in five years from now we will find a very great increase in the percentage of large hives used.

Mr. Webster: I believe in the deep hives. I have been at the bee business for over forty years and like plenty of room, plenty of air at the bottom and plenty of coolness at the top. Don't contract the bottom it encourages the bees to swarm every time. Plenty of ventilation at the bottom, coolness at the top and a good brood chamber. Where I live