

and quicker to use full cases, but towards the end of the season we put the half ones on again. With the half super if you think there is going to be any more honey put on 12 instead of 28, and those 12 are more liable to be filled than the 28, but through the main honey harvest they require a little more handling, but we got so much more honey that it pays for the extra handling.

Mr. Darling: When you put one super, do I understand they begin at this end of it?

Mr. Hall: Yes sir.

Mr. Darling: Why not take this super, if you want it filled up, and shove it that way?

Mr. Sibbald: You say they start over the brood nest to build the sections. That is one of the weak points of Mr. Newton's system; he contracts to the centre, and there must be sections out over the outside of the brood nest.

Mr. Hall: Yes, he uses dummies and they can work into those sections.

Mr. Sibbald: They will not take to them as quickly.

Mr. Hall: Certainly not. I will give you my experience hiving with full hives. We use five starters—I generally put in half or three-quarter inch because it is easier for me to handle—we have the five starters for the purpose of getting all worker comb built by our bees. In an out-apiary this year we shook them off into full hives. I have been through them since and I am sorry to say that there is forty per cent. of drone comb—drone comb at one end and worker at the other. With my bees it requires five frames to hold them, and they will swarm out in about ten days after they have been

hived. One reason why I put them on five frames is to get all worker comb. Another reason is it drives the bees up into the supers.

Mr. Shaver: What age queens do you use?

Mr. Hall: I like queens of the previous season, but I do not always get them so. Then as to bee escapes, I have three dozen and three of them and I have not enough.

Mr. McEvoy: I have not enough, and I have that many.

Mr. Hall: I use none for extracted honey. I want bee escapes for comb honey; except one is pretty quick about it when removing the supers you have very likely to have it injured.

Mr. Shaver: What kind of an escape do you use?

Mr. Hall: The Porter proper.

Mr. Brown: How many do you find the best number?

Mr. Hall: One is better than fifty or than three. I put them on in the afternoon and I go around in the morning and take off my supers and take them to the house. I have a honey house for extracting, and for the carpenter work; I keep my honey in the house, and it is over the furnace room. I have a register, but I never need to use it.

Mr. Sibbald: Do you ever find at the latter part of the season they will chew the sections?

Mr. Hall: They will do it if you smoke them. I had a young lady in my east apiary and when I went out there she had sixty pound tins and 18 supers of honey, but she had smoked them pretty well to get on the escape boards, and some of them had bitten the sections. We use bee-escapes not for extracted honey but for comb honey.