

all destroyed but one, and after five or six days eggs were hatched that would destroy the swarming impulse.

Mr. Gemmell. I have lost old queens that were clipped by swarming when I wasn't present; and in every case where a young queen took her place I never had a young queen lay a few eggs and then swarm. In every case I found she stayed there. She doesn't want to swarm.

Mr. Holtermann. Doesn't that depend on your honey flow?

Mr. Gemmell. It does, but when the swarming comes you generally have a pretty good flow.

Member. Wouldn't you have to get out the queen cells in order to get that young queen to lay there?

Member. Yes, but you would have to destroy them, the bees wouldn't.

Mr. Gemmell. If you go to the queen before the young queen is hatched, your plan is to get out all the cells but one. When she hatches she may swarm, that is, if there is larvae to raise other queens from.

Mr. Holtermann. Aren't there any amount of people whom you can't depend on doing that work properly?

Mr. Hall. That isn't the fault of the system.

Mr. Holtermann. I say universal clipping won't do for that reason.

Mr. Alpaugh. This cutting out of queen cells and depending on one, I don't like. I find a much better plan is to cut out all the cells, but take a few of the best and stick them at the end of the hive. Some of them will hatch. The first queen that hatches will run into the hive, find no cells there, and that settles it. They stop swarming and you can have lots of cells.

Mr. Gemmell. I don't object to that at all, but in my case I give them a cell I know is about ready to hatch. If you put a cell of that kind in you won't find any difficulty. Of course, if you put a cell in that you can't tell whether there is going to be a live queen or not you can't be sure.

Mr. Alpaugh. There is another instance come to my mind. If I can find the young queen I will kill her every time, and another cell will hatch. I would sooner have a later hatched cell than an earlier hatched.

Mr. Gemmell. Is that where the old queen is lost when she goes out to swarm?

Mr. Alpaugh. Yes.

Mr. Gemmell. But there are a lot of good cells in that hive.

Mr. Alpaugh. If you kill her and

allow another cell to hatch that will never happen.

Mr. Gemmell. There was another point. A gentleman here spoke of giving drawn sections and getting them filled with inferior honey. I know in our own locality sometimes if we put on drawn sections we invariably get a poor quality of honey. I never like putting sections on my hive. I prefer giving them a half story of drawn comb, that is, if it is very early in the season, to giving them sections. Then by the time they have this pretty well filled up we have them out of the packing, and when they require more room I raise it up and put the sections underneath the half super of comb.

Mr. Holtermann. That is quite an important point. You will see so much comb honey on the market that has the centre of the section a little dark, and we can do a great deal of good by emphasizing the necessity of different management.

Mr. Smith. I would ask Mr. Gemmell, does he ever allow the queen in these half stories.

Mr. Gemmell. No, I don't want her there. I understood Mr. Alpaugh to say he gave a few drawn combs, I didn't understand he said anything about foundation whatever. Why would you prefer the drawn combs to foundation, or do you? I don't think you do.

Mr. Alpaugh. I would under certain circumstances. I am not prepared to say anything about that yet.

Mr. Gemmell. Before Mr. Alpaugh went to California he was at my place. I had been using full sheets of foundation and he recommended the starters. I had never practised much with starters. However, he recommended a wide starter instead of a shallow starter. He said that if you used a wide starter, and only five of them, that the bees had a better chance of clustering on the wide starter from one end to the other, and the comb would be more likely to be of working comb, whereas on the narrow starter they hadn't so much scope, and you would probably have drone comb at the ends of two or three frames. I have practised that too, and some seasons you will get the thing pretty much without drone comb. Now he has another hive, and he is going to use sheets of foundation for hiving instead of starters.

Mr. Alpaugh. I might say that I will simply use the wide starter yet.

(To be continued.)