

surprised what a lot they have; and the queen does not start to lay right away, as a rule, and there is room for honey and for pollen, and that is why I object to Mr. Newton's plan of two inches of foundation; they draw that out and they get a whole lot more added to that before he puts on his sections; they would have those five or six nearly drawn down to the bottom in two days without a super.

Mr. Newton: That has just put me in mind of one reason why I like that two inch space better than Mr. Sibbald's way; I can get my pollen quicker below than he can catch in his half inch, because there is no place whatever to store his after they start to build.

Mr. Sibbald: I can readily understand where they put their pollen, because if you look in a hive you will find it on the comb near the outside, you contract them so that they have not any outside comb; but if you had ten you would find the pollen off to the outside. I have produced a good deal of comb honey on that plan, and very few sections have been spoiled with pollen—I do not think there has been two dozen in all I ever had. Now, Mr. Newton takes off the supers with a bee-escape.

Mr. Newton: Sometimes; I do not think in the last two years I have used one bee-escape.

Mr. Sibbald: As to packing for market, I believe if every one would take the trouble to pack them up in an attractive shape there would be better prices got for comb honey, and the grocers would not swear so much when they handled them.

Mr. Holmes: One more point; Mr. Newton tells us in reference to the queen excluder he placed it between the hive and the super, and after the queen got well established below he

removed the excluder. We would like to know just what "well established" means as to time.

Mr. Newton: I would say just about what I have said regarding the putting on of the super—it might be half a day, it might be two days; and I do not think if it is taken off the second day they would ever attempt to enter the sections.

Mr. McIlvoy: As a fixed rule?

Mr. Newton: We have no fixed rule.

Mr. Hall: When she commences to lay.

Mr. Newton: I was sorry our friend Holmes was not in last night when I brought up the question. I would have liked to ask him why he does not use perforated metal in the extracting season between all supers?

Mr. Holmes: Answering that question just on the moment I would say for this reason: my experience has proved to me that the percentage of trouble in that regard without the use of the queen excluder is very, very small indeed; and, further, I take it that the bees work freer up and down without it, and so long as the queen does not bother us to any great extent we forego the use of them except on the young swarms, and I put in the queen excluder there, and leave it there perhaps a little longer than Mr. Newton does in the production of comb honey.

Mr. Hall: I use queen excluders. The first lot of queen excluders I bought was for eighty stocks of bees; I was so tickled with them that a week after we bought queen excluders for every hive we have, and let me tell you, I don't want any queen excluder except in the time of swarming, and then for not more than three