

bees, it will pay him to move them, if it can be found within a reasonable distance. (Applause.)

The President called upon Mr. F. A. Gemmell to open the discussion on this paper.

Mr. Gemmell: Mr. President and gentlemen: I do not know that I can add very much to Mr. Smith's paper, although I have had considerable experience in moving bees at different times of the year, but I never, until the present summer, moved them to buckwheat. Years before I have moved them in the fall to get the fall flow. I have used different kinds of ventilation and different kinds of vehicles to convey them. With regard to ventilation, it all depends upon what time of the year they are moved, and what time of the day. Mr. Smith says he just gives the super with the wire about two inches above, and closes up the entrance with wire cloth. That in my case would never had done at all, considering the distance I had to take home. I had a wire screen underneath the hive and one on top; the one on top had two inches of a rim; and there was either a full super or a half super on top as well; but I found before I had gone five miles on the road I had to water those bees or I would not have had any bees when I got to my destination. It was a close, murky, warm day. Their tongues were sticking out through the wire netting on top just like so many needles. I had to water them three times in a distance of about 35 miles.

Coming home again we dispensed with so much ventilation. I had friend Newton with me to help. We had a wire screen on top, two inches above, and a wire cloth at the entrance. Sixty-four hives were put on the wagon; it wasn't a spring wagon either. I have always used

that before. But in this case we had an ordinary farmer's hay rack filled up with straw to about a foot above the rack; on top of this I laid a platform of boards; thirty-six hives were put on this and I think thirty-two on top of that again. We brought them all home in one load whereas I took part of them out by single rigs and part by train. I made four trips in taking them out and brought them home at one trip minus supers.

In regard to whether it pays or not, I don't know; I am not prepared to say very much this year because it is my first year. I am not sure whether it would pay every year to move them but this year I think probably I was paid well enough for the trouble but not anything more. I think I secured honey enough to pay for the moving, not including the labor; that will have to go against the bees. I will be better able to tell next spring whether there will be more young bees and whether they will be in better condition than those I left at home.

I know that you can move bees late in the fall short distances without any ventilation at all. I have brought bees home five and seven miles about the middle of November when they had a wooden cover on top and a wooden strip right across the entrance, but they were not closed for more than three hours at the most; but you could not take them two miles on a hot day in that way.

The wire screen in my case was all over the top; the screens I had on the bottoms were used in the summer time on the hives in the yard. Mr. Post knows what they are; he uses them himself.

Mr. Post: Do you move them in August, in the hot weather, without the super?

Mr. Gemmell: I didn't this year. I had a full story or half story on