

went through safely, but to ship bees a long distance by rail in hot weather they must have plenty of ventilation at both top and bottom. Bees can be shipped successfully, as Mr. McKnight has said, but at other times it would not be a success. I simply have an adjustable entrance—a zinc entrance. I slip the zinc out and nail a piece of wire cloth on. That is all I give them below. In very hot weather I have shipped to Nova Scotia and they went through safely. Two or three colonies will go by rail in a car safely, if fixed up in a certain condition, while if there were a lot of bees they might perish. When you have a lot they must be carefully attended to.

Mr. PETTIT: Mr. Atchley throws cold water all over the hives and inside of the car. This water, in warm weather, will create a very great ventilation. It takes off a great deal of heat. That is my point.

Mr. McKNIGHT: I put a saturated sponge in mine.

Mr. COUSE: We had to take eighteen or twenty colonies and we loaded up a waggon. We had to take them some distance. It was in August. We put wire-cloth over the frame and a wire screen over the entrance. The colonies were strong, but when we got to the end of the nine miles which we were going, there were not enough bees to spread all over the wire top—the rest were all smothering. We took off these screens and they all went out and never came back.

Mr. GEMMELL: The ones that I lost in the very same manner, were all clustering at the top, and they were sticking out their tongues. Once I opened the hive the bees came out in a cloud.

Moved by Mr. MYERS, and seconded by Mr. ACHES, that the thanks of this meeting be tendered to Mr. Post for his paper. Carried.

#### QUESTION BOX.

Q. Does the system of managing bees, known as the "Alpaugh system," do away with the swarming, or is the swarming more under control than otherwise?

Mr. ALPAUGH: Yes; it does.

A MEMBER: Are the bees at the end of the honey flow in proper shape for winter?

Mr. ALPAUGH: Probably not.

A MEMBER: Will we have more or less drone comb than by the other management?

Mr. ALPAUGH: That is a question that is to be decided yet.

A MEMBER: More or less increase?

Mr. ALPAUGH: Less. I suppose this is the system that was talked about a year or two ago, which I do not practice myself now. When I first thought of this system, I was wintering inside. They did not seem to have time to brood up, and when the flow came on in the middle of June, they had not time to brood up sufficiently. Now I am wintering entirely outside.

Q. At what age is it desirable to supersede queens?

Mr. HALL: At the age the workers decide on. At the age the daughters of the queen decide that their mother should be superseded.

Mr. CORNELL: Some queens will be good at the end of three years—too good to supersede.

Mr. McEVoy: Kill them off at two years. You will get a bigger crop of honey.

Mr. MYERS: Do you ever find bees allowing the queens to live until they are useless.

Mr. HALL: Yes, I do; but it does not answer to kill our queen bee because she is so many years old.