

ority that we have on earth. I do not consider it advisable, in my experience, to take foul-broody bees, combs etc., out of a hive and use that hive without disinfecting. I would not do it. You may lift a frame out of there with the greatest of care and crush a bee with foul-broody honey in it and leave it there, and when it is so easily disinfected, I don't see why it should not be done; but if a hive has foul-broody honey on it, or in it anywhere, it is a foul-broody hive and needs disinfecting, and even Mr. McEvoy will admit that.

Dr. Miller—I want to ask Mr. McEvoy if he ever tried using a hive again that had had foul-broody bees in it?

Mr. McEvoy—Oh, thousands of them.

Dr. Miller—I would like to know definitely. I want to know something definite in numbers. Did you ever have half a dozen hives used in that way, or how many? Give us something definite about it.

Mr. McEvoy—I don't know, I suppose I could put it safely at 5,000.

Dr. Miller—Of that 5,000, how many of them ever succeeded in giving the disease?

Mr. McEvoy—Not one, that I ever knew. Not a single case that I ever knew.

Dr. Miller—Now, if in 5,000 cases that you have tried there has not been a single failure, I am willing to take what risk there is.

Pres. Root—After I had learned of Mr. McEvoy's experience, in which he had tested something like three or four thousand hives at that time, I concluded that we would try to cure the disease without boiling the hives, ever since that time we have concluded that we could cure it just the same without boiling the hive. Some time ago when we had the disease in

our apiary, we boiled all our hives, but we left about ten of them and thought we would see what would result. I think that there were four or five out of the ten that we left that had the disease, but I have thought since that that experiment did not amount to anything, in view of what Mr. McEvoy says that he has tried it in 5,000 cases.

Mr. Hershiser I would like to ask how many of those apiaries have been treated more than once, and how many times those apiaries have been treated that have had foul brood?

Mr. McEvoy—That is a close question and it is all right. You know it is one thing to handle a disease and it is quite another thing to handle the men. Some men would make a perfect cure, others, again, you would have to go to several times, and it is just how they do the work. Some of them will blunder once in a while, but it isn't the hive; they don't do their work; they often put it like this, "Well, how long will I boil the hive?" Now, that depends upon how long you intend to boil the bees; surely, you are not going to do one without the other. Are you going to take these bees that have walked all over the putrid eggs, with their dirty little feet, without boiling them? If you are going to boil the hive half an hour, I think you ought to boil the bees an hour! And I don't know a place in Ontario where they boil now.

Dr. Mason—Foul-broody hives need disinfecting just as surely as do foul-broody bees, and they can as surely, and more easily, be disinfected without boiling than can bees.

Pres. Root—Perhaps it ought to be stated in this connection that Thomas William Cowan, and quite a number of scientists across the water, feel that it is very necessary to disinfect the hives, but, as I have stated, we haven't disinfected our hives since,