

an opening in the floor and then put straw and cover that over with chaff or sawdust and only the air will escape through the straw.

Mr. Holtermann: There is another point we want to be very careful about. Some people think they have got damp cellars when they haven't got them. What I mean is when they have got moisture on the walls it may not be at all damp; the only really accurate test as to humidity is the wet and dry bulb thermometer. I believe that about two degrees between the wet and dry bulb is, as far as I know at present, pretty nearly right.

Mr. Post: I have found two degrees to be the nearest I could get. I keep three thermometers in my cellar and I always like to keep them two degrees apart.

Question: Is it safe to use again extracted combs that have been used over a colony slightly affected with foul brood, said comb having been used over a queen excluder and never having had any brood therein?

Mr. Armstrong: I would say not to use them.

Question: How to liquify honey in pound bottles?

Mr. Armstrong: My plan of liquifying is I have quite a large pan that reaches clear across the stove, it is about eighteen or twenty inches wide and four inches deep; I have a frame that goes down into that made out of slats about  $\frac{3}{8}$ ths of an inch wide and I drop that slatted frame down into the bottom or into the water first and then set my jars on top of that, loosen up the corks or screw tops, but I don't bring the water to boiling point while the honey is in there. You can see when the honey is all melted and when that is done I seal up tight and that honey will stay liquid for a year or two years. I have got some now I have had in

that shape for one year and you can't see a partical of granulation.

Question: How do you prevent moths from getting into the hives?

Mr. Armstrong: Keep strong colonies. I have no difficulty.

Question: How many Langstroth frames will an average queen occupy?

Mr. Armstrong: I would say about seven.

Mr. Holtermann: I believe that the average queen will occupy a good deal more room than one thinks. I don't know just what an average queen means, it is pretty hard to say, but I find that there is a goodly portion of the season where a queen will fill a ten framed hive full with just as little honey left in it as an eight frame. There seems to be a good deal in this that the queen is crowded by the bees to a certain extent with honey and she will fill with brood to the extent of the room given her.

Question: When it is desired to supersede an old queen would it be practical to substitute a virgin queen at the time by making a forced swarm or a natural swarm?

Mr. Armstrong: I have never done anything along that line myself, I cant say.

Mr. Chrysler: I have and it wont work.

Question: Do you think there is much risk of moving colonies in hives six miles on a sleigh at this time of the year?

Mr. Armstrong: I never did any of that either. I have moved them almost every other time of the year but in the winter.

Mr. Holtermann: We had a very extensive experiment along that line last fall. We had a carload of bees from New York State and they were brought to the car in sleighs, they were two days on the road, and they were hauled a couple of miles on