

could not use the section foundation in that one at all; those wires sagged and in some instances it broke down entirely. As I am a firm believer in full sheets of foundation, I say, wire your frames every time, either up and down, or across. The object of testing those different methods, is to find out which is the best. We hope by other tests to say which we think is the best. We have wired crosswise, we found the trouble with that was if you have a heavy swarm to put on there they are liable to bend those wires down with the foundation, especially on a warm day; and very often with the four wires I have found the foundation doubled over and a great deal of trouble in cutting it out and getting it into place again. If you prefer the wire horizontally, I will say put in two more wires than we have here, but I would recommend the perpendicular.

Mr. Lott: What is the amount of time that you would consider necessary to wire frames for the brood chamber in the top story?

Mr. Fixter: I think a man could put one of them in in about two minutes. We can do this in the winter; we do not have to handle our foundation then. We place the frame in a vise. After you get to know just where to drive your staples, you do not need to have a measure, or you can just mark a stick off in the places where you want it, and lay it right in front of your vise, and you can see where to run your pencil across. Then run a very sharp awl through those different places, then tie on your wire with one end, twist it on, up, down and through till you get to the other end; or if your wiring gets tedious and troublesome, run it from one end to the other and fasten it. Different bee-keepers have different methods. I have shipped bees to the Experimental Farms in Manitoba, and Nova Scotia, and never had a frame break down or a colony smother

on the road. Of course the frames were all wired.

Mr. McEvoy: My boy and two others wired twelve hundred of those in a couple of days, and two of the boys were little fellows.

Mr. Fixter: We tried different plans with cross wires, and down to two, which is almost useless, and even down to one, so that I would say wire thoroughly, and go at it and try it, and you will find it is not such a hard job at all. I think there could be some improvement made on this little machine that we pressed the wire into the wax with.

Mr. Hall: I am an old hard egg. I kicked against wiring for fifteen years, and four years ago I put in six hundred wired frames, and I was so pleased with them I put in eight hundred, and last year nine hundred. When you run the wheel over the wire you crimp that wire, and that stops the wax from pulling down. I want my wax to go to the top, of my frame, and then I have no place for the bees to go through. I put eight wires and that draws the bottom up, and to get over that difficulty I take some No. 9 fence wire, and put a piece perpendicularly in the centre, and you can hardly pull the frames together. With the perpendicular wires I have never had the frame break down: with it wired horizontally, I have had them break down from the top.

Mr. Holmes: Why not make the bottom bar slightly heavier instead of using the fence wire?

Mr. Hall: Because there is more wood for the bees to go around. I want that top bar heavy because when I shake my bees off I want to give my frame a crack.

Mr. Byer: Mr. President, I don't know what I can add by way of value to what has already been said. I suppose it will be necessary for me to conduct a sort of review of three or four different items taken up, and all these