

might say that I have prepared this address mostly for what you call beginners. A good many of you are old hands in the profession and I am not directing my remarks so much to you as I am to the beginners. You have got your plan already started, and you can't very well change it. In presenting this system, it is therefore for the benefit of those who are starting out or have not gone so far but what they can remedy a mistake if they think they have made such. You will notice here around me quite an amount of paraphernalia, and you may ask me what I am going to do with all that old stuff. It is not as nice as you see at the exhibition, but I intend to illustrate my thoughts this afternoon to show you how different things are done. Now, in choosing the implements to do that with I have not bought new ones, but out of our own yard implements used year after year and are still there in use and we expect to use them for some time to come unless we find something better. It is just what you would see in the yard. You don't see these polished up things. I have tried to put on things that are natural and represent them just as they are.

There are three systems of bee keeping I believe that cover the whole ground. There is the box hive system, the movable frame system, and the case system. I don't think there is anything besides these. I presume it is unnecessary to explain what we mean by the box hive system; bees are put in a hive or box, sometimes into a nail keg, sometimes into a stump and sometimes into those little woven straw hives and left to take care of themselves. When the bees have got such filled they will swarm and they are given another one by their owner, and when they fill that they are given another one, and so on *ad infinitum*, and

when the fall comes those that have not sufficient stores to go through the winter are killed and the honey taken from them. I don't know who was the inventor of this system, but I presume it was the bees themselves.

The next is the movable frame system. We have hives called the "Jones," "Root," "Smith," and Brown, etc., etc., hives, double walled, dovetailed and everything else. They all come under one system namely a movable frame system. They are built with the idea of manipulating bees or accomplishing certain purposes with bees with a system of frame or comb manipulation, and I presume nine out of ten if not nineteen out of twenty of those present use that system largely. It is called sometimes the Langstroth system, but it does not make any difference what size of frames or how the frames are made as long as you manipulate those frames which contain the combs.

The third system is the case system. By that system I mean a system of manipulation by which instead of manipulating combs we manipulate cases to accomplish the different objects which we desire in our work. Cases are built usually with frames. I have here a case. You will notice everything in it is solid. The purpose of that is to carry out the idea of manipulating your bees through a system of cases. You will notice here I have what is called a frame. (Refers to diagram.) You recognize it at once as the Langstroth frame, and the idea is that the frame is hung in a hive and when you want to do anything with your bees it is done by the manipulation, largely, of these frames. In the other, it is done by the manipulation of the case.

This afternoon in outlining a system of management for the year I am going to confine myself necessarily