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on the middle or northern parts. have tried to raise it in the northern districts and gave it up and found extracted honey much more profit-

Mr. Holtermann: Don't you think you can account for that in part by the fact that you know a great deal more about it now than you did?

Mr. Smith: Yes, but in the northem districts we are apt to have cold waves and cold nights especially and unless you gave it special protection very often when the bees were working well in the sections and would probably get them almost ready to ap a cold wave would come and Will take drive them out of the sections and you will find you have a large perentage of culls left on your hands.

On motion the Convention adjouruleradat 6 o'clock p. m. to meet at 7.30 wax clock p. m.

the Hive Considered as a Honey Manufactory.

The honey collected by the bees om flowers contains a large perentage of water, and for this reason readily ferments. It is sometimes erag ated that bees inject their stingoison into the honey to prevent ferentation, but we have no reason for dieving that they ever use their oison for this purpose. Sealed honey always of a nearly uniform density, consistency that will not ferment: dif the bees could prevent fermention by any other means than by aporation, they would not always aporate before sealing. Bees are reful to keep their poison away m their combs, and even from the erior of the hive. Every bee-keepwho has manipulated bees to any ent, must have noticed that when, any reason, the hand is required be inserted among their combs, will not sting unless the hand is ghly brought in contact with them; nor are they disposed to sting the hand when on the alighting board. Mice sometimes get into the hive, and if they can reach the quilts they will tear them up and make a nest in the combs, and eat honey with impunity for a length of time. When the worker bees want to get rid of the drones they will keep driving them out of the hive for a week or more. Two or three workers may be seen marching out a drone, which is almost certain to go straight back and to be marched out again; but the workers will not sting the drones in the hive or on the alighting board. When bees cluster round the queen or ball her, as it is termed, the object is to avoid stinging. If we take the ball of bees from the hive, and separate the bees with smoke, or by dropping the ball into a pail of water, the bees will quickly sting the queen, but they will not sting her in the hive. Mr. Doolittle states that he has seen a queen sting workers in the hive. In 1867, taking a queen by the wings from a black colony, I was going to change to Italians, I dropped her on the alighting board of a queenless colony (a second swarm, the queen of which failed to return from her excursion trip), and the queen stung and killed the first three bees that approached her before she entered the hive. Whether she stung any bees in the hive or not I could not tell, but she established herself as queen of the colony. Bees know that if they cluster in numbers around their victim they can accomplish their object without being stung. When Maeterlinck acribes to the worker bees more humanity than his ancestors ever possessed, he is, to say the least, drawing a terribly long bow. If bees get alarmed for their safety by finding strange bees in the hive they will sting in the hive, but for some reason they seem to avoid it.