

like sooner we impress this upon the bee-keeper and prospective bee-keeper the better for our honey markets.

My remarks have been lengthy perhaps rather than weighty I have given you my best upon the subject, you have asked me to speak upon, our quarrel must then be not with me but yourselves. Doubtless the discussion will bring out something: you have as bee-keepers in this state the material and characteristics of the people who can meet to advantage. I have had large personal experience handed down from generation to generation, you are willing to impart information and yet you realize this is not known and new thoughts advocated will be duly weighed and considered. You have also in my visits displayed that grand characteristic courage to combat ideas which in our estimation are wrong and willingness to give credit where right and regardless of personal feelings and have wished you every success.

At the close Mr. Holtermann was accorded a hearty vote of thanks.

Mr. N. E. France the General Manager for the National Bee-Keeping Association being present stated that the paper contained so many excellent points he would like to have permission to read it before the Wisconsin State Bee-Keepers at their annual meeting which would be held shortly.

Some discussion took place as to the effect of honey upon tin and galvanized iron. Mr. France strongly condemned galvanized iron for storing honey. He knew of a case where the cans had been used with a difference of one year in the time each was used and the action of the honey had been so strong that there was no difficulty in picking out the can long after its use. Mr. France also stated regarding coopering barrels for honey storage, that they should be dried

out then the hoops driven and that it was a great mistake to soak with water, barrels intended for honey.

## Prevention of After Swarms.

"Say, Doolittle, have you been asleep?"

"Well, I generally sleep some each night. But why do you ask that question, Mr. Mills?"

"Because you told me last May that you would tell me in Gleanings during the summer something about preventing afterswarms, and you did not do it."

"I did forget, surely. Do you remember now what you asked of me?"

"As nearly as I can remember I wished to know if a queen-cell just about to hatch, or a virgin queen, introduced into a hive immediately after its colony had cast a prime swarm, would not prevent after-swarming by the young queen tearing down the queen-cells left in the hive before they were ready to hatch; and, if so, would there not be a great advantage by furnishing the colony a laying queen much sooner than they would otherwise have one, besides stopping after-swarming?"

"Your question seems very simple, and easy to answer at first thought; but as I think longer and more closely on the matter I find it to embrace some of the most perplexing question that ever come up to the thoughtful, practical apiarist.

"Why so? I do not understand."

"Let us talk it over from a logical standpoint, and see what we can find out in the matter. Your question would assume that, if a queen-cell or