

a case of *Protection and Food*, this supplied and the Bees can be wintered in the North as well as in the "Land of the cotton and the cane."

Blaevstow, Iowa, Oct. 11th, 1893.

Mepis, Dadant and Hilton, followed with papers upon the same subject which will be given later. As time would not permit no discussion took place upon this subject.

The following questions were taken in hand.

Has anything been found to be applied to the face that would be obnoxious to the bees, in so far as to keep them from stinging?

Carbolic acid, and apifuge.

Does the age of brood comb lessen their worth or desirability for breeding purposes. A sample was shown over 20 years old partly torn down by the bees and rebuilt.

The discussion which followed appeared to leave no doubt that the bees would tear down comb when old and rebuilt it, at the same time it was thought it would not be advisable to leave comb until the bees would be compelled to do this.

What is the cause of the short life of queens as generally raised and sent out?

It was suggested that we often do not know when queens are superseded, those that were bought were watched more closely and if they were lost we noted the change. Another Mr. C. P. Dadant, stated that queens were often accepted by the bees under protest and there were later superseded, never having really become reconciled to the new queen introduced. Another thought the queens often suffered owing to hard usage during long transit in the mails. Another said queens were often older than represented.

Did any one ever make first class vinegar of honey, how is it done?

Doctor Miller stated excellent honey vinegar could be made from honey, directions could be found in bee-books.

Mr. Muth stated excellent wine could be made from vinegar.

Who uses honey in manufacturing?

Bakers, tobaccoists, a few brewers, pork packers.

Where did the golden Italian bees originate.

Doctor Miller—In America probably.

C. P. Dadant—In Germany you can get Italian bees brighter than here, they have bred there as in America for color, which is a great mistake.

Should the duty on honey be removed?

With one exception our United States friends said no.

Are we making a success of rearing queens in the upper story with a queen below?

Three present said yes.

What is the best way to bleach wax?

Expose to light.

Should unfurnished sections be used next season or discarded?

Many javoied using them.

Mr. Crane used those clean, he shaved the comb down to $\frac{3}{4}$ inch for whole thickness of comb.

J. A. Green—would use two or three in each super.

Another found old comb objectionable the wax was tough.

Another thought if the sections were carefully cared for and shaved down they were not objectionable.

Mr. Aiken,—some years ago used 1600 sections, old ones, he put 16 of these in each super. the flow was free and full, no swarming, the colonies were strong, in 4 days every cell in the brood chamber and 16 sections were full, he thought he had 1600 lbs more honey. In such a case he would use them. The comb in old sections was not so good and inclined to granulate.

Mr. Arken was asked how he dequeen hives?

Mr. Arken stated they had a medium flow which began about June 15th and lasted 40 to 60 days. He dequeen just before the honey flow began by removing the queen the best he used for nuclei the others he destroyed. He permitted them to raise a new queen, there must be not more than one queen cell, 8, 9 or 10 days later he again goes over and cuts every cell but one or leaves them hopelessly queenless. In a day or two in the latter case he gives a cell or a young queen.

The bee must be hopelessly queenless so the swarming fever will be gone otherwise a few will swarm out even then.

In 5 or 6 days if queenless fertile workers will develop.

CONVENTION NOTICES.

NORFOLK BEE-KEEPERS ASSOCIATION.

Annual meeting Norfolk Bee-Keepers Association will be held at the Queen's Hotel, Simcoe, Ont., at 2 p. m., Dec. 2nd. All bee keepers are requested to attend. Election of officers will take place.

C. W. CULVER, Sec'y.

Simcoe, Ont.

HALDIMAND BEE KEEPERS ASSOCIATION.

The Haldimand Bee-Keepers Association will meet at Cayuga Ont., Saturday, Dec. 10th, '93. A large attendance is expected. The question of what shall be done with the grant from the Ontario Bee-Keepers Association will come up.

E. C. CAMPBELL, Sec'y.