

out, but the sound fruit was untouched. My own experience has corroborated these statements. The jaws or mandibles of a worker-bee are not constructed for cutting hard, rough substances.

Permit me to make one remark in conclusion that does not properly relate exactly to the subject, but rightly grows out of it, I think. In religious matters I am inclined to be very liberal, and give the utmost liberty to others; yet it seems to me that no man can study carefully such statements as I have made and kindred facts without being forced to the conclusion that there is a "power not ourselves" behind nature, "which makes for righteousness," whether he agree with me, and call that power God, or not. To me all this is the manifestation of an Infinite Father, and I would it might be to all men.

(REV.) E. T. ABBOTT.

St. Joseph, Mo.

From the Cayuga Advocate.

#### HALDIMAND BEE-KEEPERS.

THE annual meeting of the Haldimand Bee-Keepers' Association was held at the Town Hall, Cayuga, on the 1st of March. Present—James Armstrong, President, in the chair; and Messrs. W. Kindree, D. Anguish, Israel Overholt, M. Schisler, F. Rose, Isaac G. Wismer, O. Fathers, Robert Coverdale, James Jack, and the Secretary.

Minutes of last meeting read and confirmed.

The election of officers was the first business, when the following were elected:

President—James Armstrong.

Vice-Pres.—F. Rose.

Sec.-Treas.—E. C. Campbell.

Directors—Isaac Overholt, Wm. Kindree, W. Atkinson, F. Mehlenbacher.

The President read extracts from the by-laws of the Ontario Bee-Keepers' Association, when it was moved by Mr. Campbell, seconded by Mr. Overholt, that the Secretary be authorized to send \$5 to the Ontario Bee-Keepers' Association for affiliation with that society for 1889. Carried.

Moved by Mr. Rose, seconded by Mr. Overholt, that the President correspond with the Secretary of the O.B.K.A. with reference to securing a lecture from some prominent bee-keeper at our next meeting.

#### PASTURAGE FOR BEES.

Mr. David Anguish, President of the Brant Bee-Keepers' Association, read the following short essay on bee pasturage:

"I know by experience that there is more in

pasturage for bees than there is in the management of the apiarist. The last season's crop of honey will explain what I mean better than I can. You are all aware I got a very fair yield of honey when you all failed in Haldimand. I don't pretend to say that I am any better apiarist than there is in Haldimand county. Brant county gave a very fair yield of honey, with the exception of a few localities in and around the city of Brantford. There was one bee-keeper in the county of Brant, from one colony in the spring increased to four, all very strong, and plenty of honey to carry them through, and he got 125 lbs. of surplus comb honey in one pound sections; it was all gathered from the Canadian thistle and buckwheat. For my part I think it would be advisable for every bee-keeper to try some of the Chapman honey plant. I know it would do well on your heavy land, and it comes in bloom when there is nothing else for the bees to work on; and it would be advisable to sow buckwheat, if for nothing else than for the bees. Some may object to this, but I am pretty sure if you would get some of the Japanese buckwheat and try it you would never be sorry that you did so. Buckwheat is like all other honey plants, if the weather is favorable the bees will gather honey very fast. I had one colony gather 11 lbs. in one day for that plant alone."

The President agreed with Mr. Anguish on the necessity of having good pasture for bees, and no matter how good an apiarist you may be if there is no pasture for the bees the result will be a failure.

Mr. Rose moved 32 of his hives up to the County of Norfolk, where there was a large quantity of Japanese buckwheat, and they gathered sufficient honey to winter 64 colonies. In answer to Mr. Overholt, Mr. Armstrong said that bees gather honey from second crop of red clover when other clover is scarce.

Moved by Mr. Anguish, seconded by Mr. Rose, that the next meeting be held at Cayuga if a lecturer is secured; if not, at Nelles Corners, on the last Tuesday in May.

E. C. CAMPBELL, Secretary.

#### CONVENTION NOTICES.

The annual meeting of the Western Ontario Bee-keepers Association will be held in the Forester's Hall, Chatham, on March 20th and 21st, 1889. Come and bring your friends with you, as great preparations have been made for this meeting. The president of the O.B.K. Ass'n will be present. Do not fail to attend.

N. SMITH, Sec'y