

comfort to the bees and decreases the tendency to swarm. It may be argued and with some show of justice, that this can be done with the quilts. This is true but to ventilate in this way will not give the best comb. If the day is warm and you go into the apiary, remove the wooden cover from a strong colony and cut a hole, say an inch in diameter; in ninety-nine cases out of a hundred you will find just what you would not expect to find. You would expect the air to rush out of the hole, but it will be just the opposite. In refining honey in the hive the air is taken in at the entrance at one side. It is heated as it passes through the brood chamber and takes moisture from the honey as it passes over the combs and unsealed stores and it again passes down and is carried by a current the bees create out of the other side of the entrance. The current when it enters at the top, enters the stores before the temperature is raised, and under those conditions is able to take up less moisture, therefore, and perhaps for other reasons, this is not a desirable method of ventilating. This cover with the honey board mentioned, will be found a desirable addition to bee-keepers' appliances, and they appear for the first time in Canadian catalogues. In the next number I shall give some desirable methods

of ventilating a hive, when it should be done. It plays a very important part in successful bee-keeping.

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That is safe and will be permanent? If you have a pair of horses and from \$50 to \$500 capital, the F. C. Austin Mfg. Co., of Chicago, will be pleased to correspond with you as to the use of certain special road-grading and earth-moving machinery; also well-drilling machinery. To save correspondence, write plainly stating your situation fully and naming parties to whom you can refer.

Early Setting Out.

On Saturday, March 20th, I set out forty-two more colonies, leaving nine colonies in the cellar. One colony was lost. It was very weak in the fall, weighing only 25 lbs. hive, comb and bees, after it returned from the buckwheat harvest. Some one will want to know if I will not be sorry if it turns cold? Not a bit of it. I expect it will turn cold.

R. F. HOLTERMANN.

Seventeenth Annual Meeting of the Ontario Bee-Keepers' Association

Held in the Council Chamber of the City Hall at the City of Toronto,
December 8th, 9th and 10th, 1896.

(Continued.)

At the present time I use a long wooden barrel and put the end of a steam hose into it and then connect the steam hose with the steam extractor. The point I was trying to get at was how to get it out of the combs clean. I have picked up refuse that I have thought pretty dry and clear of wax, and which to the naked eye you would not think there was any wax in; at least, a very small percentage, and on putting it under the microscope it had the appearance of a very small percentage of dirt; it seems to be about two thirds wax, any

Mr. McEvoy - When you turn the steam

into the tank to melt what you have got there do you put the old combs in the tank?

Mr. Hoshal—I just use a barrel and put the old combs right in.

At the close of the discussion on this subject which was participated in by many of the members present the President put the following test to the meeting: he asked all those who had used both sun and steam extractors to raise their hands. Some seventeen responded. He then asked all those who had used the steam extractor and sun extractor and who preferred the steam extractor to raise their hands. One responded. Finally, he asked all those who had used