

other queen on the cluster and she was accepted every time. If a black queen can be caught when the bees are clustering, and an Italian one put in her place it is a very easy way of introducing them. This colony has done more that simply remain in the cluster; they have actually built three quite large combs and filled them partially with honey, or something that they use for food; it may be apple juice, as we noticed them working on some sweet apples, but where they have got all their food for this length of time and sufficient to enable them to build comb and store is a mystery to us. They seem to be more active than a colony well provided with combs and stores. They cluster so closely that they consume less stores than others that are scattered among the different ranges of combs. We were surprised the other morning, on examining them while the ground was yet white with frost to see a beautiful white ridge of comb sticking out through the cluster on one side, and our daily examination has not convinced us that the percentage of deaths is as much with this colony as with those having plenty of combs and stores. They appear to have saved as much stores, as will keep them going till Christmas or pretty near it. It certainly looks as though this may be the road out of the difficulty that has taken so much cash out of the bee-keepers' pocket; viz.: the consumption of stores between the close of the surplus honey harvest, and the putting of the bees into winter quarters.

THE CANADIAN BEE JOURNAL

ISSUED 1ST AND 15TH OF EACH MONTH.

D. A. JONES, - - - EDITOR-IN-CHIEF.
F. H. MACPHERSON, - - - ASSOCIATE EDITOR.

BEETON, ONTARIO, NOVEMBER 1, 1890

The exhibit of honey at the East Simcoe Show, by Mr. H. L. Leach, was exceedingly creditable to himself and to the town. It was tempting in appearance, and in quality was as good as it looked.—*Orillia Packet*.

From the *Durham Review* we learn that; "On Tuesday night or Wednesday morning the fam-

ly of Mr. Thomas Smith were aroused to find his bee house in flames. The building, which was a good one of its kind, was destroyed along with a lot of empty hives, racks, comb and about 600 pounds of honey. The cause of the fire is not definitely known, but is supposed to have started from the bee smoker. Mr. Smith estimates his loss from \$250 to \$300, without insurance.

A FORTUNE IN ONE MACHINE.

A celebrated press-builder of the United States admits that one of the greatest printing presses yet produced will be furnished to the *Family Herald and Weekly Star*, Montreal, a paper that has distanced mostly all the weekly papers on this continent. The *Family Herald* goes on the principle of thoroughness in every department, and that is why it is such a standard authority to-day the world over. Well done Canada. The *Family Herald and Weekly Star*, Montreal, is to be congratulated.

As pointed out on page 313, the dovetailed hive, as made by A. I. Root for 1891, will contain some decided improvements—improvements which we can recommend. Chief among these is the thick top bar. The top bar they will make $\frac{3}{4}$ inch thick and 1 $\frac{1}{4}$ wide. For years we have used a top bar just this depth, and as we pointed out when the burr-comb discussion was at its height, we could not complain of a preponderance of such nuisances. They will also do away with slatted honey boards. This does not apply to queen excluding honey boards such as we have recommended, but to the ordinary slatted board which is sent out with the Heddon hive, only not constructed on the break-joint principle. We have never included these in our price list in any other than the Heddon, and we are pleased to notice that the Roots do not think it necessary. They will also supply closed-end frames at fixed distances for those who desire them. On the whole, we can say that the changes made will meet with popular approval, and we hope that the anticipations indulged in by Ernest as to the success of these, the outcome of his trip to New York State may be verified.

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