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Following this a motion was made suggesting that the society interest itself in an endeavor to have a law passed at the next session of the provincial legislature to fix limits for bee-keeping in towns or villages, and near dwelling houses. Discussion on this was very general and took up the rest of the session until twelve o'clock. At the afternoon session the society was honored with a visit from Dr. Hewitt, Dominion Entomologist, who addressed the members in regard to foul brood, both European and American. He made the statement, that came as a surprise to some of the bee-keepers present, that the European type of the disease had made its appearance in certain parts of the province, and having described it, warned the members to be on the lookout for it. His remarks were very interesting and the thanks of the society were tendered him. The attendance at the meeting was large and the membership has already crossed the hundred mark.

#### PACKING BEES FOR OUT OF DOOR WINTERING

Indexed

By Leon C. Wheeler.

In the past eight years wintering out of doors every season I have gained quite a lot of experience, and I find that we of the north must use a different method from that used in the southern states, or even in those nearly as far north as we are, for instance, Ohio or Indiana.

That we must have plenty of good sealed stores is recognized by everybody, so in this article we need not touch on this subject at all. There are a few things, however, that are all right for the southern bee-keeper, but would not do at all for us farther north. Don't let anyone as far north as Michigan or Canada think, for instance, that they can have any surety of success in trying

to winter bees on the summer stands by simply wrapping them in tar-paper; nor do I believe there will be many successful in wintering who wrap the hives in tar-paper with packing over head. There are several who have been very successful with this way of wintering, who do not, however, live as far north as we do. But some one will say that he has seen bees wintered that way right here in the north, and they came out fine. I don't doubt it, but I'm afraid that same party would find that if he kept it up there would be many winters when he would not come out so well. We must find some way to winter our bees that will give us a reasonable surety of bringing all or nearly all, the bees through in good shape practically every winter. To go even a little further I do not believe that the average chaff hive, as put out by supply dealers will be a safe winter repository for bees in the extreme north, although some of them might possibly fill the bill. I might say right here what I consider necessary in a chaff hive for this purpose. It must allow for at least four inches of packing all around the outside, and there must be at least a foot of space over head to allow for a good generous packing on top, and plenty of space yet above that.

A hive, no matter if it has six or eight inches of packing over head, but in which the cover sets right down on the packing is in my estimation very poorly packed. The reason is very plain, for in a hive so packed we lose sight of the very principle we are working for in having the packing over head, that is, warmth combined with free upward ventilation.

For several years I used a few hives that made no allowance for any air space over head, but I never had any luck with them, although the other hives, right by the side of them which had an air space over the packing, but was