bees, or ve been se. His combs, 1, about of beedividers reen the ave perde, and ne whole suitable proper

3. 1908.

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inferior to Ir. Aspinwall said that in his es with a 2-inch entrance con-

futed most emphatically and exhibited to the meeting several samples to prove his statements. A resolution was passed by the Convention supporting his contention

Votes of thanks were passed to the Department of Agriculture for their interest in bee-keeping and for sending Mr. Sibbald, one of the provincial inspectors, to speak on the subject of rendering wax; and to Mr. Sibbald for his presence and careful detailed description of his method. Also to slats at Mr. Hershiser for his leading part ars, bee in the solution of the wax rendering problem, for his attendance at the Convention and his address.

FOURTH SESSION

compli-hive and lent paper on "Out-Door Wintering," unweildy which will be found elsewhere in the Conthis issue. Mr. Miller winters all his with Mr. bees out doors, and he can readily on-swarm be accepted and relied upon as an be good authority on this system. In the way y hearty he has described, he brings his bees se of his through from year to year with ractically no winter losses.

Rendering Jas. Armstrong, Cheapside, who follows the same system, opened the ax Press, listuasion on Mr. Miller's paper and Mr. aid that he had followed this plan ion. Mr. and that he had followed this plan had in an or almost twenty years. Four hives Press will ha a case with a packing of four or eepers on we inches of dry sawdust or mixed while empith fine planer shavings, wheat or the state of th remarket ives and packs over all. He leaves which bee le queen-excluder on, the rim enantry held wing a bee-space or passage for lared that he bees above the frames, and belared that he bees above the frames, and he s that in aves a winter entrance to the outst in the le 2 x % in. His hives are placed the cases facing four ways.

Itessed the H. G. Sibbald, wintering outside, of the Wases four in a case, two hives side is side and back to back with other his own ferent directions. Some one made he impressiven in the side and back to back with other his own ferent directions. Some one made he impressive it side do not winter as well as of pressing others.

tracted to 1/2-inch, his bees wintered well and consumed as little stores as in the cellar.

He has had a most exceptional experience in wintering, in that he has not lost a colony for over fifteen years. He wintered out doors on the summer stands. By careful manipulation and close attention, every colony going into winter quarters, is a good strong colony with a young, vigorous queen. Contraction of brood chamber so that there will be no more combs than the bees will cover. Combs well supplied with stores. For stores sugar syrup is fed, made by boiling two parts of sugar, to one of water, with a little tartaric acid added-about a teaspoonful dissolved in a little water to twenty pounds of syrup. Feeding is done by means of inverted air feeders over the cluster. His packing consists of planer shavings and coarse sawdust, about three inches thick at ...e bottom and sides, and four or six inches on top. This manner of packing permitted late feeding in fall or winter if required. The feed is given warm, the bees smoked a little, and the hive tapped in order to arouse the bees from a dormant condition to one of activity, thus insuring the discovery of the feed, and the creation of a disposition to take it down. Twentyfour pounds in twenty-four hours have been fed in this way The propolized quilt is always removed before final packing, and in its place is put muslin or cheese-cloth. The packing is placed immediately over this. By this plan the moisture was taken up from the hive, leaving it dry, and its air pure. It was found that the top of the packing was moist. This was because the moisture condensed on striking cold This was remedied by small openings under the outer case cover. through which the air could circulate, and thus keep moisture at a minimum. Hive entrances were about four inches wide, and were not directly opposite the entrance through the outer case, thus securing sun-shade and windbreak.

Mr. McEvoy and others spoke of their success wintering in single cases, that is, hives packed singly.