

such a nature as to interest the amateur as well as the expert.

We hope during the coming year to do even better than in the past, and we want our subscribers, each and every one, to help us in this direction by furnishing us promptly with all the items of news which comes under their notice of interest to the rest of the readers of the JOURNAL.

#### TEMPERATURE FOR BEES.

THE February number of the *Review* treats of temperature in bee-repositories, and the conclusion at which the editor arrives after considering the articles from all his correspondents, is that  $40^{\circ}$  to  $45^{\circ}$  is about the proper thing—all things considered. If the colonies are strong and well protected the thermometer may drop to  $35^{\circ}$  without injury. This bears out our teachings of the past eight years pretty well. In our circulars issued as far back as 1881, we had a pamphlet on wintering, in which the temperature was given as from  $40^{\circ}$  to  $46^{\circ}$ . We have never had cause or reason to change these teachings, and we feel proud too, as does brother Hutchinson, to think that the question of temperature has been "settled," and that so closely to what we have always claimed and taught.

#### The Reversible Honey-Board and Super-Reverser.

WE have pleasure in presenting this week something further in reference to the new Reversible Honey-Board and Super Reverser which was illustrated and explained in the last number of the BEE JOURNAL.

The following letters from the gentlemen who tested them, though imperfectly and at a late date in the season, will speak more for them than any words of our own.

We have not patented, nor do we intend to patent any of the principles of this invention. We are going to trust to the honor of our opposition supply dealers, and bee-keepers generally, to give us the benefit of this invention without the protection of Letters Patent. The prices at which they will be offered to the public are scarcely in advance of what the ordinary honey-

board costs, so that we cannot be charged with extortion or with a desire to gain anything exorbitant in a monetary sense. If the principle be pirated by others it will be so patent to all observers, that the pirates will for very shame "give over" making what they have no moral right to, without permission.

WHAT MR. MARTIN EMIGH, THE PRESIDENT OF THE ONTARIO BEE-KEEPERS' ASSOCIATION, THINKS OF IT.

No doubt you remember sending me two of your Combination hives fitted up with your new Reversible Queen-excluding Honey-board and Super Reverser, with three supers for each hive with sections of different widths and different makes. You wished me to give them a trial and report.

I suppose you think the report has been a long time coming. Well, they say a poor excuse is better than none and here it is. The honey flow in this section last year was the poorest I ever had. Then the hives came very late, so that I had not as good a chance to test them as I would liked to have had before reporting. However, as soon as the hives came to hand I got a large swarm in each of them and succeeded in getting five supers fairly well filled.

You know I never was a believer in reversing sections, but everything was so handy on these hives, and having a curiosity to know the result of reversing, I went at it. I am satisfied it did no harm, and in one case where starters were used instead of full sheets of foundation it did good. It being a poor season, and honey coming in slow, the bees did not build comb to the bottom of section, but when it was reversed they filled it out to the wood. This is an important thing in shipping comb honey; as for convenience in putting in sections there can be nothing better. You have simply to pick up the sections and set them in on pieces of tin, as with the **1** rests, to catch the corners of the sections on. I don't know the price of these super reversers (as section rests) so I will not compare them with **1** rests or broad frames as to price, but I do know they are more convenient for putting in sections than either of the others. The ledge on the honey-boards and reversers (or rests) that fits down over the hive and over each super, is sufficient to keep out all wet, no matter how hard the rain may beat against the hives.

The cap or top board is the most simple in construction that I ever saw, yet it answers the purpose better than some of three times the cost. I have not had an opportunity to test it thoroughly yet, but intend to continue through the coming season, taking in wintering and spring