

justice. Mr. Wm. Goodyer does not show in as many lines as the rest, but has a nice pile of comb honey and some extracted. Mr. J. B. Hall, Woodstock, is also not showing a full line, in fact it is only justice to say until the last moment, he had no intention of showing and for that reason he necessarily lacked preparation. It was pleasing to see him in his usual place. Many of our best comb honey producers are indebted to him for pointers which he so generously distributes to those who are likely to profit by his long and valuable experience combined with close observation and intelligence. Mr. Geo. Laing, Milton, is on hand as usual and has placed a good exhibit. Although we notice an improvement in taste, we do not know if this is owing to the assistance of his two daughters or comes from long practice. The Judges were Mr. A. E. Hoshal, Beamsville, who acted last year and Mr. A. Pickett, Nassagaweya, Ex-President, of the Ontario Bee-Keepers' Association. The judging in honey was done by the score card passed by the Ontario Bee-Keepers' Association two years ago and the sooner other exhibition associations follow suit the sooner they will be abreast of the times.

The awards are as follows:

SEC. I.—R H Smith, St. Thomas; Goold, Shapley & Muir Co. L'td, Brantford; H N Hughes & Bro. Barrie.

SEC. II.—Chas Brown, Drumquin; H N Hughes & Bro. R H Smith.

SEC. III.—Goold, Shapley & Muir Co. Chas Brown, Geo Laing, Milton; R N Hughes & Bro.

SEC. IV.—G S M Co, Chas Brown, Wm Goodyear, Woodstock; J B Hall, Woodstock.

SEC. V.—G S & M Co, G E Saunders, Agerton; Chas Brown, J B Hall.

SEC. VI.—Laing, G S & Muir Co, Hughes. S. G. VII.—Hall, Laing, Brown.

SEC. VIII.—Hall, Brown, Hughes, Saunders.

SEC. IX.—Brown, Hughes, Jno Pierie, Drumquin; Laing.

SEC. X.—Hall, G S & M Co, Hughes, Geo Alfred, Ottawa.

SEC. XI.—Jno Pierie, Geo Laing, R H Smith.

SEC. XII.—G S & M Co, Jno Newton, Thamesford; R H Smith.

SEC. XIII.—Newton, G S & M Co, W A Chrysler, Chatham.

SEC. XIV.—G S & M Co, R H Smith.

SEC. XV.—Hall, G S & M Co, Chas Brown.

SEC. XVI.—Smith, Laing, Brown.

SEC. XVII.—G S & M Co, Laing, Brown.

SEC. XVIII.—G S & M Co, Smith, Laing, Hughes.

SEC. XIX.—J B Hall and G S & M Co, equal.

## Bee-Keeping.

*Mr. Editor and President C. B. K. A.:*

When I began to keep bees in the summer of 1887, it was purely with the design and the desire of doing something to fill up spare time as profitable and pleasantly as possible; and I think with Prof. Cook in his manual that it is only as an avocation bee-keeping will generally be followed, i.e., that it is not likely to be the main business of a man's life, but something which calls one aside from too much leisure or business, and as such I can conscientiously commend apiculture to any person who wishes to do something which must improve the ordinary habits of living already formed.

We miss the pens from the pages of the Journal which were wont to advise and instruct us; and in such a worthy object the crowns of respect and esteem already won by the men who have died, as it were in business, can never be either stolen or tainted, and I would not dare to infringe upon the good which has been done, by any irrelevant allusion to education or religion, or other people's business.

I have not discovered anything new to science in the bee. Mr. Cowan's work is most instructive and complete enough in itself to satisfy the curious. He says the bee is strong enough to draw twenty times its own weight. I have weighed 12 dead bees on apothecaries' measure, their weight according to my observation at the time being seven grains. The dead bees twelve in number, covered as nearly as possible one square inch. Now, if the pressure of our atmosphere is 14 lbs. to the square inch the weight resting on each bee is (try weight) 1 lb. 2 oz. The weight of one bee .58 of one grain. There are resting on it 6240 grains, 9210 times its own weight (try measurement. All figures are open to correction. But what a strength is here and how much stronger is the bee than a man?

Science is always true to itself and there may be nothing concealed from her searching eye; and as the work done by such a little creature in the power of association is so tremendous, let us reverence the wisdom of its creation.

I do not say that science has been exhausted or that there is nothing left to learn; but it is enough to carry the information which is necessary just to get on right from day to day until the proper stage of experience is attained and a