

their six queens in twenty-five minutes. (4) Eggs and brood—Mr. Hall is correct. (5) Taking out the frames—Mr. Hall is again correct if the hive is improperly made; and you are also correct Mr. Editor, when you say "this hive affords all the facilities for changing frames" if it is properly made. (6) Mr. Hall's two changes—I don't know what the one is; the other was to make the honey board queen excluding by inserting some queen excluding metal between the slats. This is as I use and recommend it. However, on page 93 of "Success in Bee-culture," which was sent out by Mr. Heddon with his hive, and explains it and its workings, I find the following: "The queen-excluding metal works into these one-half bee-space honey-boards most admirably, and for all I can see at present, we had better use the metal;" and on page 104 how to use the queen-excluding honey-boards is explained.

A part of your third paragraph, and your fifth and sixth I shall answer by a series of statements and remarks. Statement (a) I have received no unfavorable replies concerning this hive from Canadian bee-keepers except one, if it is unfavorable, which was "I like the new Heddon hive for many reasons, but I cannot do better with it than with my deep-frame hive." Mr. Heddon says "I have received no unfavorable replies from Canadian bee-keepers, if I have, I have forgotten it." Remarks—Under these circumstances I could not give you "the unfavorable replies I received from Canadian bee-keepers." (b) That Father Langstroth was able to preach the gospel, and did, when he was examining and testing the new Heddon hive, see page 33 of Mr. Heddon's 1891 circular. Remarks—If he was able in body and mind to preach the gospel, he surely was to form an opinion, and write his testimonial concerning this hive. (c) Father Langstroth says in his testimonial, "As soon as I could see bees handled in these hives, and could handle them myself, all my favorable prepossessions were fully confirmed."

Remarks—Does it detract from the value of his testimonial, "that he had never tried the hive?" (d) Prof. Cook is the author of "Manual of the Apiary." Remarks—Reading his book convinces me that he knows much about bee-keeping, although not extensively into it, and is therefore qualified to correctly judge this hive. (e) Mr. W. Z. Hutchinson has never kept less than fifty colonies of bees during the past fifteen years, and most of the time from seventy-five to one hundred. Remarks—This being the case, I am sorry that you try to discount his testimonial through belittling him as a bee-keeper, and by

bringing into the discussion that sugar honey matter in the way you do. If a man who is honest about it, as we know he was, exhibits at a fair sugar honey for the purpose of obtaining an unprejudiced opinion concerning its merits. I fail to see the moral depravity of the act. (f) Mr. Heddon says, "I never made a present in my life to induce any bee-keeper to speak a good word for my hive." Remarks.—Even supposing it true that Mr. Heddon gave presents, has the day arrived when bee-keepers can be induced by him through such means to give their testimonials in support of his hive? Even Father Langstroth, I see, is not excepted, if I may believe, "shall I call it *unsolicited* testimonial" (sugared or honeyed testimonial)? Shame on the one who hints such a thing.

In view of the fact that Mr. Heddon has made no presents, what you say concerning his work to advance his hive, is to my mind, but a continuation of what you have given us through the C. B. J. of late before, (see page 197, par. 1, lines 1-6; page 219, par. 2, lines 9-13; and page 235, par. 4, lines. 1-6). Even supposing you established the fact that the inventor and some of the supporters of this hive are dishonest, as you seem to be trying to do, you will only establish a prejudice against it, you do not prove it worthless, for the history of the world shows, that not infrequently good things are evolved from the genius of bad men.

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[To begin you must take matters as they are, not as they should be. When you do this you will find there is great danger of over manipulation, and you are taking too much for granted. Granted that queens cells are destroyed and swarming not prevented, what is gained? Nothing, only you have the old colony so much longer without a laying queen. In regard to Mr. Hall's experience in wintering, it is a pretty easy matter to winter any colony with enough stores and a queen.

Father Langstroth, we think, examined but did not test the Heddon hive, or had not tested it when he wrote his letter in favor of it. It appears to us you are trying to show, that we stated Father Langstroth acted dishonorably in this matter. You know, anyone who has read our editorial knows, the fact is far removed from this. You think Father Langstroth's testimony as valuable as if he had tried the hive, we think to the contrary. Many a person of very sound judgment comes to a conclusion by reasoning. In practical experience he finds that conclusion wrong, and that he has not taken all the conditions into consideration. Will Mr. Heddon himself make the statement, that he