

to be it would be spite or some other evil motive that would prompt a person to make trouble for a neighbour on their account. Hope the bee-keeper will come out of this case now pending in Toronto right side up.

LAURANCE NATSMITH.

Almonte, Dec. 15th, 1886.

For the Canadian Bee Journal.

THE QUEEN REARING.

REPLY TO A. L. SWINSON

I SEE by page 731 C. B. J. that Mr. Swinson takes exceptions to my reply to Query No. 115. Now it can be as easily proven by the Bible that Mr. S. should hang himself, as he proves that he disagrees with me. It is said that Judas "went out and hung himself" and another passage says "go thou and do likewise." Is not this Bible? Yes. Well then why should not men hang themselves? Simply because it is taking scripture from its connection and applying it as *was not* intended. So Mr. S. quotes only a part of my reply and takes it from its connection and applying it to what *was not* intended. What was it I said Mr. S. admitted in *Gleanings*? Surely it was not that "thousands of queens were inferior in every way" but "no queen reared by any known plan can *excel* (not exceed as your typo has it,) queens reared under the swarming impulse," and I do not see how he could think I meant otherwise, unless those "honest convictions" he speaks of got "befogged" some way. Hence it will be seen that Mr. S. and myself agree exactly, except that he claims that queens reared under swarming impulse are more disposed to lead out swarms than those reared at other times. In this I think he is mistaken and an experience of fourteen years of *close study on this point* entitles me to an opinion at least. I could give many instances of queens reared out of the swarming impulse being the first to lead out swarms, and when those reared under the swarming impulse went without swarming two or more years in succession, but will not take up your valuable space. Even were it as Mr. S. claims I think it would be an advantage for we have many who claim more honey can be obtained when swarming is allowed than otherwise.

G. M. DOOLITTLE.

Borodino, N. Y.

FOR THE CANADIAN BEE JOURNAL.

REPLY TO MR. ARMSTRONG.

I F Mr. A. will re-read my article on page 651, he will see that I did not wrong him therein, because I made a dispassionate argument in favor of my just rights and against his selling my property, as intimated by Mr. Clarke on

page 589, and I qualified my terms by saying, "if this is what he is doing, as intimated by Mr. Clarke," I am glad to learn that he is not plagiarising and purloining my double brood-chamber. Since looking at a copy of his patent, in which he says he has patented the half bee-space, I discover how his adoption of Mr. Shuck's double case-work over a single set of frames, gave Mr. Clarke a false impression regarding the construction of the hive. I also find that he has obtained no patent upon the half bee-space, whatever. He has plagiarised my words in describing it in his specifications and patented it only in combination with several other arrangements which I consider worthless. He could have done the same had I have patented it, as I might have done, the office supposing of course that he would purchase the right of me to use the half bee-space at all, whether with or without his combinations. I never claimed to have patented the half bee-space. My book bears the oldest description of it to be found in print. I invented it more than two and a half years ago, as I can prove by W. H. Shirley, W. A. Stolley, W. Z. Hutchinson, and many others, who either saw it in my possession, or listened to my careful description and illustration of it. The reasons I didn't apply for a patent upon it, were two. First, I thought, and still think, that my patent will hold it when tested in the superior courts. Second, at the time I applied for my patent, I preferred what is there claimed and described in my book in the following language: "We have constructed the hive for reversing, in two different ways." "We first made them with the frames resting flush with a lower side of the case and full bee-space below the upper surface." "After inverting a case, we loosen its thumb-screws and placing it crosswise the lower case or bottom-board, push the frames through to the other side again, tightening the screws."

The reader will see that we first reverse the bee-space in the case, always keeping it at the top.

Both this and my half bee-space are, radically, inventions, as all intelligent inventors will at once recognise; and the reason we abandoned the shifting bee-space for the half bee-space as is taught in our book and placed before the public last season, was because we then expected to practice constant reversing of the cases. We now know that in this decision we made a great mistake, and that the special functions of the half space are not necessary with our hive.

Mr. Editor if you will please quote the following from my 1887 circular, our reasons for abandoning the half bee-space, at this time, will become apparent, and your readers will see that we still keep in advance the same as when we were testing the new hive for two seasons before the general public knew aught about it, and con-