

with the position of the circular board, support the sides of the metal pan. When all is ready the wax pan is shoved down into the box or frame work until its open end rests in the circular board and the sides of the pan on the beveled strips. Secure in position by nailing through the wooden head of the pan, and into the end piece of the frame work. The sides of the pan are nailed closely to the beveled strips at the sides of the frame work. The sash is made of $\frac{1}{8}$ stuff like a shallow box 2 inches deep and is rabbeted at the top to receive three panes of glass 12x20 inches. The glasses have nothing between them to cast a shadow, but simply fit up close together at their edges. The sash is made to slide backward and forward between strips of wood nailed to the outside of the framework. Some tin pans a little wider at the top than at the bottom answer as wax moulds. The frame is kept in position so that the sun's rays fall directly on the glass, and the pitch of the pan is regulated by blocking up or letting down the back end of the box or frame.

My wax extractor sits in the apiary the year round, and is protected by a board cover when not in use.

I have given the above as a cheap way of making the device, and because I know it answers perfectly. Of course the pan can be made entirely of metal, and the size of the apparatus can be varied to suit anyone's notions. In giving the above description I have availed myself liberally of an article written by me and published in the *American Bee Journal* not long since.

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FOR THE CANADIAN BEE JOURNAL.

REPLY TO MR. CHALMERSON OWNERSHIP.

IF Mr. Donaldson, the party referred to as "another neighbor" in my communication entitled "Ownership," in C. B. J., July 21st, page 328, had had the manliness to allow the sweeping charges contained in a second article, bearing the same title, in the C. B. J., Sept. 1st, page 448, over his own signature, I certainly would have claimed the right of a lengthy reply to the same, but as the cudgel of self-defence is wielded by Mr. Chalmers, who resides a dozen miles or more from me, a gentleman with whom I have not now, nor ever had, any dispute whatever, and said charges, therefore, come second handed. I deem it only necessary to state, they are as incorrect in point of fact, as they are numerous, coming with very bad grace under the circumstances, to say the least of it. There are, however, a few which need correction, and,

had he not attempted to be either funny, sarcastic, or both, before adding his "little ditto," and read my first letter carefully, no difficulty would have been experienced in perceiving the "good lady" mentioned by me, was not Mrs. G., instead of supposing so, merely because he knows some people who call their wives by such an epitaph. I might say, at the same time, for the benefit of Mr. C., or any of the many readers of your JOURNAL who may be interested, that my apicultural knowledge is not quite so limited as he would wish it understood, in fact, I date my first bee-keeping back nearly a quarter of a century, having been among the first to introduce Italian blood into Canada. It is just twenty-two years ago this fall, (1864) since I purchased my first purely fertilized Italian queen, from the Rev. L. L. Langstroth & Son, Oxford, Butler Co., Ohio, paying the modest sum of \$10 for her, although they were sold the previous spring and summer for \$15 and \$20 each, and I have to-day, in my (it is true small) apiary of only twenty-five colonies, some of the best blood money can produce, also that I have either directly or indirectly, to a greater or less extent, been associated with the pursuit ever since.

I have always paid, and still expect to pay, for any information gleaned through the various bee periodicals, but as Mr. C. has given me advice *gratis*, I trust he will neither be displeased, nor yet too much flattered, if I thank him kindly for it, as I confess I am not by any means, as "bee wise" as some in the county of Perth, nor as "bee foolish," as others even in the city of Stratford, or its immediate vicinity.

With regard to the subject of queen rearing, I will add, that of my success in a limited way, in the past, is an indication of what I may expect in the future. I see no reason why I should not continue at it, if only for the pleasure of having people so foolish as to purchase the same kind of queens I desire so much myself. I have not sufficient ambition to combat the parties about a matter of so little moment to any one but Mr. Donaldson and myself, and penned my first article more especially for our own information, mentioning no names however, so that if the coat did not fit any one in particular, they need not don it. I am fully aware, Mr. Editor, people do not care to have valuable information excluded from any bee journal, which, by the way, none can contain too much of, for personal quibbles, therefore this affair will rest as it is in the future, so far as I am concerned, only I hope Mr. D., while imparting information to others, will do so *in toto*. Yes, as the C. B. J. in commenting on Mr. Chalmers' letter, remarks: "Give both sides of the question," in all cases, and not have the charge of robbery laid at my