

one as usually soldered, and the other specially soldered. The old style of soldering leaked first drop, as all this class of tin have done in these trials. The new style stood six drops without leaking, but leaked the seventh—a very creditable performance, but not quite so good as the kerosene pattern, which leaked the eighth drop.

If we should ever be in the fortunate position to require more honey tins for export purposes (which at present seems doubtful for some of us) these experiments seem to indicate that the light kerosene pattern is at least as good, if not better than any other, and as this is the cheapest of all we are fortunate in that respect, but we must insist upon the soldering being of the best and strongest description possible.

I intended to repeat these experiments at the Convention, and so to obtain the opinion and experience of all present, but the powers willed it otherwise. If, however, those who have any experience of this matter will relate it in the A. B. B. they will be doing us all a service.

Notes and Pickings.

By D. W. HEISE.

(CONTINUED).

[See here friend Heise, you say you like foot notes, and I am going to take you at your word. I do know of a bee-keeper who at one time said to me "I do not want footnotes by the editor to my articles. I don't want a man slobbering all over my work when I get through with it." That same man lately told me he wanted to see more footnotes. Well, about this deep cell foundation. You carefully qualify your statement, but think that Hutchinson's head is level on this question, and as you incline to the same view you think both your heads are level. Well I think so too, I actually believe your heads are so level that you are both flat-headed on this question. We can readily understand many having this opinion, but it is simply because they cannot conceive of machinery which can make such delicate comb, and next, they have not studied the question so carefully that they know that what causes the fish bone is thickness and quantity of wax, not texture. Mr. Hutchinson has been shown section finished by the bees. He admits it looks all right, but he says he wants to eat some comb honey

stored in it. That will be proof. Friend Heise, we had some of the article in our house, and their was no fish bone.—Ed.]

After a good deal of experience with a number of different feeders, I am forced to say there is no simpler way of feeding bees for winter stores than supplying them with sealed combs saved from the contracting season. I did not feed a lb of syrup last fall, although quite a number of my colonies were short in stores. All those were supplied with sealed combs from the honey house, and came I to the conclusion that my necessary feeding was never accomplished with more celerity. Feeding syrup, especially if left a little late in the season excites the bees greatly, and they worry and wear out their vitality at a time when they should be resting quiet, which is very essential to their wintering successfully.

I feel quite sure that when the swarming instinct has been bred out of bees, they will have lost one of their fascinations, for me at any rate. I also know that excessive swarming is not desirable, and not always to be enjoyed. But with a moderately large hive, and clipped queens, the main difficulty can be overcome. There is nothing in connection with beekeeping that so thoroughly fills me with enthusiasm as to hear the swarming of the bees.

I have learned to my sorrow that it is a mistake to hesitate about putting the surplus cases on early, for fear of retarding swarming, in what promises to be rather a poor honey season. Better put the supers on early, as soon as the bees are ready for them, and secure what honey you can, and make the desired increase artificially. It will be found more profitable.

[You have touched upon a vital point in bee-keeping, and we should like a few articles upon these questions in the next number of the Canadian Bee Journal. Our advice, broadly, is, keep down increase. Ed.]

"I always like to read footnotes, to an article, and they catch my eye first, for they are generally the cream skimmed from the milk, and many a time the short notes contain in substance the sense of the entire article."—J. M. Young, in A. B. J. Here to Pude. I have often felt like that myself.

I know that fumigating combs with brimstone to kill moth worms is not much better than a failure. While it does kill some of the rascals who build tank lines, suburban branches, sidings and breeding stations in our combs, I know by experience that it takes a very heavy dose to kill all, and such heavy fumigating renders the