

consumed in the production of wax. At present I cannot accept anywhere near the 15 or 20 to 1 ratio. More than this, I do not believe we can get any considerable more extracted per colony than of comb. I am carefully studying this problem, and have for about 20 years produced both comb and extracted side by side. To here give all the proofs of my position would make this essay altogether too long.

In a few words, improved methods of extracted honey production means producing a superior article at much less outlay for fixtures and labor—especially labor—and putting much of this labor outside of the honey season.

I hope that these thoughts may receive thoughtful consideration, and that they shall prove helpful to the fraternity. I regret that limited honey flows—even this year of great plenty—has prevented a more thorough knowledge of the new method, and also prevents my being with you at this meeting.

### Notes and Pickings.

By D. W. HEISE.

I am realizing for the first time, the important part a fall flow plays in a successful season's operation with the Bees. This being the first season in eight, that this locality has furnished such, and I notice it makes a great difference in more ways than one.

"I see by C. B. J. 52, that the G. S. M. Co. are prepared to furnish the Root Dove-tailed Outside Wintering Case, each (mailed) 75c. I expect of course, if I should need any, that they will prepay the postage."

["Nailed," you Dutchman.—DUTCH ED.]

In last "Notes and Pickings," page 61. I read: "during the season 9 swarms issued" The number should have been "19" Of course anyone reading further on would see that 9 was a mistake. But a correction I think will not be out of place.

"There is much to learn in apiculture—about bees, queens, and the production of honey, and I apprehend that there is no one so wise in the long catalogue of bee-keepers but may learn something about bees, and that's the grand mission of our journals on bee-culture—to distribute this knowledge." J. A. Golden in A. B. J. Mr. G. is very much mistaken in thinking there is no one so wise that they can learn nothing more about bees. There is a Scotchman who raises queens on Toronto Island, who claims

to have reached the limit of where anything can be learned about bees and their management. I very much envy his possession, but am simply not in it. Bah!

Will some of the readers of C. B. J. answer the following question: Is a swarm issuing the second time in the same season, with the same queen, properly called a "virgin swarm;" if so, why?

Did you notice, Mr. Ed., the worry and anxiety it gave Dr. Maison at the Buffalo Convention to make speakers face the audience when speaking. I fully expect the result will be a large shrinkage in the Doctor's avoidupois. But say, isn't he a jolly good fellow!

The 26th Aug. issue of A. B. J. contains portraits of six prominent bee-keepers, accompanying the articles written by them. I congratulate the Editor in thus presenting them; for me, it gives force to the article. I always appreciate an article better when I can look upon the image of the person who wrote it. Especially is this true when one has no personal acquaintance with the writer. More of this in C. B. J. I think would be enjoyed. My own of course always excluded. See?

In discussing the merits and demerits of the eight and ten-frame hives at the Buffalo Convention, we got the information from one enthusiastic speaker, that even eight frames are superfluous, he preferring only six. But say! didn't it nearly take everyone's breath when he sprang upon us the fact, that the swarms issuing from his six frame hives were as large as those from a fourteen. Mushrooms! who would expect rats out of mice?

In Gleanings, 587, Mr. M Knight says: "Whiskey is usually adulterated with water." Perhaps so, but I opine that Buffalo tanglefoot during the convention was practically free from that adulterant, leastwise, it appeared to be strong enough to disarrange some people's equilibrium. It is, too, very strange that men should bore a convention with the enquiry of what a full colony of bees is, when at the same time they claim fourteen years' experience with the same.

C. P. Dadant, in A. B. J., 533, gives some hard facts to convince the doubting Thomas that the Dadant hive is "The hive." In five reports, varying in date from 20th to 29th, July, with an aggregate of 322 colonies, spring count, located in five different yards, only five natural swarms were caught, and the amount of honey secured to above date 13,200 pounds. Another report reads as follows: "I live within a stone's throw of the Dadant home farm. I have