

begun, grew, and were completed at the same time. All grew alike. There was no bulging nor crookedness. Occasionally there was some drone-comb, but not very much, unless the queen was old. The last year I used the new Heddon hive. This worked nicely, so far as results were concerned, but as I have since handled those combs, and the combs subsequently built in these hives, I find that many of the outside ones are imperfect. Having eight, instead of five frames in which to work, the bees sometimes neglect the outside ones until the center combs were more or less completed, and the result was that the outside combs were not always built straight within the frames.

When such men as Joshua Bull, R. L. Taylor, H. R. Boardman and J. A. Green have experimented largely with the plan of hiving swarms upon starters only, and they say that it cannot be depended upon for securing perfect combs, we may well consider the question of hiving our swarms on full sheets of foundation. Perfect brood-combs we must have.

Mr. Boardman has told us how we can manage, by cutting out imperfect drone-comb and using it in the sections. He has also told us that we can unite our swarms, in the fall with the old colonies, and then sort over the combs, melting the imperfect ones into wax. Still further, he has told us how to have perfect combs built by feeding the bees sugar in the fall.

But everybody will not adopt these methods. Well, they will have to choose between these and some imperfect combs, and the use of foundation. I still believe—in fact, I know—that it is an advantage, so far as the securing of surplus is concerned, to allow bees to build their own combs in the brood-nest when plenty of comb or foundation is given them in the supers, and about the only objection that can be urged against the practice, is that it cannot be depended upon to furnish perfect combs under all circumstances.

Perhaps the greatest advantage to be secured from the use of foundation, is the rapidity with which it enables bees to furnish storage room when honey is coming in rapidly. Some bee-keepers assert that they can so manage that no honey will be lost, or, at least, not enough to pay for the expense of foundation, if the bees are allowed to build their own combs, even for storage. While I have no disposition to dispute such assertions, I am well satisfied that for the great mass of bee-keepers, foundation in the supers is used at a profit—Read at the Toledo Convention.

If bees are hived in proportion to the

size of the colony—and they have a young queen—preferably a young queen, just mated—they will build all worker combs if they are managed properly, but if the queen is not mated they are liable to build some drone combs. If the queen has been laying for a few days before the swarm issues, results will be more favorable. That is just the difficulty with a good many in getting all straight, nice worker combs. We have frequently hived third and fourth swarms on from one to four combs, and let our students watch their progress in building nice worker combs to the bottom bar. The frames were fourteen inches deep, have sometimes taken a quart of bees, and had them fill frames with as beautiful worker combs as a large colony. If 8 quarts of bees will build worker combs on 8 frames down to the bottom bar perfectly, one quart will build one frame, of just as perfect comb; but the space they work on must be so surrounded as to prevent the escape of heat, and give them all the advantages they would get in that respect in the full colony. There is no doubt that foundation in the supers is used with profit, and a larger profit may be made from foundation placed in the second story than can in the first story.

WE are sorry to learn from the American Bee Journal, that the Foul Brood kill, was killed in the Wisconsin Legislature. It died for want of votes. The disease, says the Journal, is spreading in that state. The Wisconsin Farmer of May 9th says—"If the disease continues to spread the time will soon come when bee keeping in Wisconsin will be a thing of the past." It does seem strange that bee-keepers will rest contentedly and allow their servants in the legislature to treat them with contempt. Let them rise in their might and make themselves felt. The justness of their cause must eventually command success, at least we have found it so in Canada. We have only to show our legislature in Ontario that what we ask is in the interests of our province and the matter receives immediate attention.

* * Please take a postal card and write on it the names of all who keep poultry in your vicinity, and forward to us, that we may send sample copies.