

expense isn't all that's to be considered. Convenience in manipulating is about the first thing to be thought of. I prefer a veritable hanging frame Mr. Howe's method suits me the best of any method I've seen yet. 3. I was not aware that brood was spread by inverting. 4. Not for me. Should prefer an immovable side even if it cost more than a movable.

JAS. HEDDON, DOWAGIAC, MICH.—I have found the advantages of inverting brood combs to pay well for the extra expense in construction and manipulation. 1. It fills the frames solid full of comb which is a great advantage when handling, cutting off the hiding places for bees. It also gives a little more capacity to the same sized hive. Of course it is better to have the whole chamber reversible at once. I shall never make another frame that is not reversible by the case. I do not consider inverting, spreading brood. Never make a movable side to a bee hive. For more than 25 years movable sides have been adopted from time to time and as often discarded. Do not use the word invertible but rather reversible. Look in your dictionary and you will find that the word invertible means just the reverse from what you think.

Leaving Entrance to Second Story Open

QUERY 221.—If I put on a queen-excluding board in the height of the honey flow and then top storey, would it be any gain to leave the entrance to top hive open?

H. D. CUTTING, CLINTON, MICH.—I think not.

S. CORNEIL, LINDSAY, ONT.—I think not.

DR. C. C. MILLER, MARENGO, ILL.—I doubt it.

WM. McEVoy, WOODBURN.—I think so.

J. K. DARLING, ALMONTE, ONT.—Don't know, never tried it.

PROF. A. J. COOK, LANSING, MICH.—No, I prefer to keep it shut.

J. E. POND, NORTH ATTLEBORO, MASS.—I do not think it would, in fact I do think it would be a detriment.

A. B. MASON, AUBURNDALÉ.—My experience leads me to think that such an opening is a positive injury.

G. M. DOOLITTLE, BOROINO, N. Y.—No, keep it closed. The field bees do not deposit honey in

the comb but give it to the young bees, so need no upper entrance.

EUGENE SECOR, FOREST CITY, IOWA.—If the weather be warm and the honey flow good I see no objection to an entrance in the upper hive. But if honey is coming slow and the weather cool I should prefer to have only one entrance.

R. McKNIGHT, OWEN SOUND.—Never used queen excluders. Don't see much advantage in them. If the body of the hive be sufficiently roomy there is little annoyance experienced by the queen going up. Have tried leaving the entrance to the top stories open, have found that bees leave, but rarely enter by them. There may be a little saved time by doing so.

JAS. HEDDON, DOWAGIAC, MICH.—No. My experiments satisfy me that there is more loss through inconvenience than is in any way gained by giving the bees more entrances.

W. M. BARNUM, ANGELICA, N. Y.—It is immaterial. The only gain would be in time—and not enough of that to amount to anything. On the whole, I think I would use the lower entrance exclusively.

ALLEN PRINGLE, SELBY, ONT.—It might be some gain should the bees avail themselves of your top entrance to any great extent, but they seldom do according to my experience. They seem to consider the longest way round the best, whether the safest or not.

G. W. DEMAREE, CHRISTIANBURG.—1. No, I object to more than one entrance to the hive. I don't wait till the height of the honey flow to put on the excluders, they should be put on at the beginning of the honey harvest. The reason I object to more than one entrance to the hive is the bees are hard to control when you wish to confine them to the one entrance after the honey season is over.

SUNDRY SELECTIONS.

GOOD REPORT FROM MT. FOREST.

J. H. DAVISON.—Bees doing well at present; very quiet and very few dead bees.
Mount Forest, February 1, 1899.

BEEES AS SUGAR TESTERS.

LONDON *Lancet*.—Though to the human palate cane sugar, beetroot sugar, and saccharine, are pretty much alike, it is said that bees are much more discriminative. They will have nothing to do with either of the last named two substances. Glycerine they will take only, however, it is said if it be pure.