

never tried forcing, and do not know the best method of feeding to have sections completed.

S. CORNEIL, LINDSAY, ONT.—(1) If left to themselves, say sixty per cent. (2) Yes. (3) Change the position of the sections in the case from the outside towards the centre and invert them.

G. M. DOOLITTLE, BORODINO, N.Y.—(1) About nineteen-twentieths I should say. (2) Yes, with me. (3) By the way of wide frames so arranged that you can enlarge or contract the surplus apartment at will.

ALLEN PRINGLE, SELBY, ONT.—Probably about eighty per cent without any forcing. I do not think the forcing profitable. The unfinished sections can be put to excellent and profitable uses. Will write a short article on the subject soon.

PROF. A. J. COOK, LANSING, MICH.—(1) I am not sure, but should say from eighty to ninety. (2) I am not sure, but think it may be made so with more study, if not now. (3) Free access from below; contracted brood-nest, with tiering up; and, as a last resort, wise feeding back.

S. T. PETTIT, BELMONT, ONT.—They would *naturally* complete them all, but circumstances do not always permit them to do so. So long as there is room and the flow continues there will be unfinished comb or sections if you choose. (2) No. (3) The answer to the second question implies or suggests this answer.

M. EMIGH, HOLBROOK, ONT.—About ninety per cent. (2) With me it is. (3) A person should understand his surroundings, the strength of colony where the honey is coming from, and calculate accordingly, and then he will occasionally get left. It won't do to crowd them early in the season, as it will induce swarming, but later on they can be crowded to good advantage, especially if we get a good flow from linden.

DR. C. C. MILLER, MARENGO, ILL.—(1) I don't like to tell, but I think I have had as many as one-third unfinished. (2) To a certain extent, yes. (3) As fast as supers are taken off, pick out the unfinished sections, fill up a super with them and put back. Just before the harvest closes pile on a few hives the sections most nearly completed and feed honey extracted from the other unfinished sections, but I'm not sure that this last pays.

BY THE EDITOR.—From seventy to ninety per cent. without forcing. By the forcing method all may be completed. (2) We think it profitable to have

most completed. No. 3 requires longer description than this department will permit. Will refer to this again in a general way.

#### BEE-SPACE WHEN QUEEN EXCLUDER IS USED.

QUERY No. 143.—In using perforated zinc queen excluders, should there be bee-space between brood-frames and zinc, also between zinc and sections?—JNO. TRICK, Port Hope, Feb. 3rd, 1887.

H. COUSE, THE GRANGE, ONT.—Yes.

H. D. CUTTING, CLINTON, MICH.—Yes.

ALLEN PRINGLE, SELBY, ONT.—Yes, I prefer it that way, with both spaces.

S. T. PETTIT, BELMONT, ONT.—Yes; if used at all in taking comb honey.

O. O. POPPLETON, HAWK'S PARK, FLORIDA.—Have never used zinc excluders that way.

M. EMIGH, HOLBROOK, ONT.—I think there should be bee-space both below and above zinc.

PROF. A. J. COOK, LANSING, MICH.—Yes, by all means. I have only tried the Heddon honey board with zinc in the open spaces. It works admirably.

DR. J. C. THOM, STREETSVILLE, ONT.—I never have used zinc queen excluders when taking section honey, but would suppose such space to be a necessity.

G. M. DOOLITTLE, BORODINO, N.Y.—There is little difference as to results whether such bee-space is allowed or not. The majority of beekeepers favor both spaces, however.

S. CORNEIL, LINDSAY, ONT.—Not necessarily so in either case. I have very good success when the bees pass directly from the combs through the zinc into the sections.

DR. C. C. MILLER, MARENGO, ILL.—From my little experience with them I should say not necessarily between zinc and brood-frames, but by all means between zinc and sections.

BY THE EDITOR.—Yes, there should be deep bee space, and the brood and metal honey boards seem to answer admirably. We are sending out immense quantities of them since their introduction, without a single complaint.