

QUERIES AND REPLIES.

UNDER THIS HEAD will appear Questions which have been asked, and replied to, by prominent and practical bee-keepers—also by the Editor. Only questions of importance should be asked in this Department, and such questions are requested from everyone. As these questions have to be put into type, sent out for answers, and the replies all awaited for, it will take some time in each case to have the answers appear.

Cubic Feet Per Colony For Wintering.

QUERY No. 139.—(1) How many cubic feet of space should each colony have in either cellar, bee-house or any winter repository? (2) If there are too many colonies in a small place would they not generate so much heat that they would become uneasy. W. M. V.

G. M. DOOLITTLE, BORODINO, N.Y.—(1) I allow about ten cubic feet. (2) Not if well ventilated.

DR. J. C. THOM, STREETSVILLE, ONT.—I cannot answer the first question. (2) I think they would.

H. COUSE, CHELTENHAM, ONT.—If your repository is inconveniently crowded, pay more attention to your ventilators.

J. E. POND, FOXBORO, MASS.—I have never wintered in cellars, so know nothing practically or experimentally about the matter.

H. D. CUTTING, CLINTON, MICH.—(1) I cannot speak from practical experience. (2) With proper ventilation I don't think they will.

DR. C. C. MILLER, MARENGO, ILL.—I think a few will do better than a large number, but a large number can be kept in a cellar, if it is well ventilated, without being too cool.

PROF. A. J. COOK, LANSING, MICH.—(1) With good ventilation or a large cistern to keep temperature uniform, there is no limit except room. (2) Not if we have good sub-earth ventilation.

S. T. PETTIT, BELMONT, ONT.—(1) Do not think there is any danger of having them too close together. (2) No. Just give ventilation according to the crowded condition of the cellar. Of course your bees should be so placed that you can get at the entrances when necessary.

JAMES HEDDON, DOWAGIAC, MICH.—If all other conditions are right, I think you can pack a repository almost solid full of hives containing full colonies; but if some other cause should throw these closely packed colonies into excitement, then the close packing would be bad, as it would aid in increasing and keeping up too high a temperature.

S. CORNEIL, LINDSAY, ONT.—(1) For the number of cubic feet of air required per day see page 501, Vol. I. of the C. B. J. The space required for each hive depends upon how often the air in the apartment is changed. (2) Yes, but it would require to be well built to become too warm in such weather as we have at present.

ALLEN PRINGLE, SELBY, ONT.—The room required will, of course, depend mainly on the strength of the colony. As a rule the colony should have in wintering only the number of frames they can thoroughly cover, say just before they cluster in the fall. If the winter repository is warm and dry they can have more room and more frames with impunity, but not otherwise.

DR. DUNCAN, EMBRO, ONT.—Put as many in as your cellar or bee-house will hold. If it gets too warm you can let in cold air to cool it by a ventilator or opening your door at night. It is a good fault to be warm. Leave the entrance of each hive wide open, and if warm they will cluster outside the hives. It is sudden changes that make them uneasy.

DR. A. B. MASON, AUBURNDALE, TOLEDO, O.—(1) They need have no more space than the hives will occupy. (2) That would depend upon how warm the place is. Has W. M. V. forgotten, or didn't he hear of Mr. Barber's essay on wintering, read last winter at the N. A. B. K. Convention at Detroit. Don't Mr. Barber winter his bees successfully on the outside of the hives with the temperature in the nineties in the shade? My bees get so uneasy before the temperature gets to 60° that I don't dare try the nineties. They are evidently a different breed.

SUNDRY SELECTIONS.

THAT LAW SUIT.

A. PRINGLE.—In your last issue you publish a letter from defendant's counsel in the case of McIntosh vs. Harrison announcing that the case is appealed, and ask instructions from the contributors of the defence fund as to whether you shall send on their contributions to the defendant's counsel as requested by them or not.

Replying for myself I beg to say yes, send on my subscription as was originally intended. My own apiary is over a mile from the nearest village (Selby) and over five miles from the nearest town (Napanee) and on my own farm; and I do not therefore suppose I shall even be troubled with legal actions for damages, or restraining injunctions, still I feel it my duty as a bee-keeper to assist in getting a just and final