

of trees standing irregularly around the hives, and I have always thought they were of material help to young queens in properly locating their own houses. I never depend on queen cells found among drone brood. Nearly all writers on bee-culture claim that there are marked differences in the appearance of queen cells containing drones and those containing queens, but no dependence can be placed on those differences.

ALLEN PRINGLE, SELBY, ONT.—I know of no way by which you can "remedy the loss" already sustained: you can only take all possible precautions against future loss. You no doubt want to know how to remedy the difficulty or evil. If your hives are six feet apart as you say I hardly think you lose many by the young queens' mistakes in returning unless indeed your apiary is perfectly monotonous and not diversified by tree or other landmark. But I do not believe in or practice painting hives all one color and setting them all in precise rows. Paint your hives like Joseph's coat, many colors, and break up the monotony by a little, in this case, wholesome disorder. There must, however, I should think, be some special disadvantage in your location or defect in the manipulation and management which you do not mention, when you lose so many queens. Another season try and study it out and apply the remedy. As to the relative quality of queens reared in drone brood or worker brood I have had splendid queens from cells surrounded by drone brood and never remarked any difference. As to whether such queens are not "likely to be from drone eggs" if any such contingency as that is likely then we may all shut up shop—Jones, Corneil, Thom, Pettit, Cook, Newman, Root, old Father Langstroth *et alii*, may throw down their quills and we may all begin over again.

BY THE EDITOR.—Queens sometimes do mistake their hives in returning, but we find this the exception and not the rule. When we have from three to five hundred in a yard the hives are often not more than two feet apart in the row, and sometimes not that, yet when the weather is favorable, we seldom lose a queen. This has been one of the most unfavorable seasons for queen-rearing and the loss was so great from various causes that it was sometimes difficult for us to get them at all. We think good weather will remedy the difficulty to a very great extent. It is

not unusual for queen cells to be found around drone eggs. We would prefer to have them on worker comb. It is not a good sign to see them on drone comb as you speak of, but if worker eggs were used and received the same care we have no doubt good queens could be raised in that way. There is usually a difference in the general appearance.

#### DO BEES SLEEP?

QUERY No. 37.—Do bees sleep, and if so, where and when?—C. G.

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

O. O. POPPLETON, WILLIAMSTOWN, IOWA.—I don't know.

DR. C. C. MILLER, MARENGO, ILL.—I should think they must, but have never had any direct proof.

G. M. DOOLITTLE, BORODINO, N.Y.—I never caught a bee asleep, and if they do sleep it is something I never could detect them at.

PROF. A. J. COOK, LANSING, MICH.—Very likely they rest, I presume in the hive, when they are weary.

DR. J. C. THOM, STREETSVILLE, ONT.—They undoubtedly repose in the hive. I would not say they ever sleep.

S. T. PETTIT, BELMONT, ONT.—Friend W. F. Clarke says they hibernate and I believe he is right; but I do not know that they sleep. If they do they sleep with their eyes open, doubtless.

H. D. CUTTING, CLINTON, MICH.—Cannot answer this without too much theorizing. I know from practical experience that when one got in my bed at the state fair two years ago he did not go to sleep.

M. EMIGH, HOLBROOK, ONT.—Not as long as they can find anything else to do. An Irishman was once persuaded to have some bees put to sleep with chloroform and take them to bed with him as their breath might be good for rheumatism. He said they would neither sleep nor let him sleep.

DR. A. B. MASON, WAGON WORKS, O.—Have never caught any of my bees with their eyes shut, but believe they do sleep. Have seen them in a glass hive at night when every bee on the side of a Langstroth frame and all in sight were perfectly still, not even an antenna was moving.