alf lowest 36 deg.

Mice had found their way into both ies hives and disturbed the bees. Some ber strips of tin put around prevented the their getting in again.

January, highest temp. 41 deg., vere hey lowest 39.

February, highest temp. 30 deg., 1 to con- lowest 38.

At the end of February both hives the nber had got perfectly dry and fairly quiet. con. March, highest temp. 40 deg., lrops lowest 36.

the During March both colonies had same got very noisy and showed signs of On dysentry, dampness and mould, but loved were strong in numbers, considering had he amount of disturbance the bees , both were subjected to in this experiment. s were would consider that they came out e very vell. Once or twice each week the verage arge doors of the root-house were e and not draw the roots out, and this let

much cold air which came in addenly upon the hives; also, the ing I place cams drawing over the floor jarred ie wal hem very much. The amount of ng an oney consumed on an average for in we past four years was fourteen top an ounds three ounces each

o as Experiment No. 4—Wintering in a wood tdug in a dry hill-side. The pit replace is three feet deep, three feet wide of wow d ten feet long, in such a way ong bo at the ventilators at both ends nber a ght not be immediately above the ive may ves which were in the middle of oth ba pit. The hive rested on two cedar es laid along the full length of the The ventilators, which were to be ree by four inches, were made of rds, three of which reached down isfactor the bottom of the pit, the fourth ery Mo y to the top of the pit, and the tilators rose three feet above the p. 38 de und. Wooden covers removed replaced by chaff cushion. quite In hive 2x2 inch strips of wood re laid on the both sides and under D. 42 0

the back end and between the brood chamber and the bottom board, so as to provide more space for freer ventilation at the bottom of the hive.

The pit was covered with cedar poles laid along to length, the middle ones higher than the others, and these covered with a laver of straw and one foot of earth. A small shaft was so arranged between the hives from which a thermometer could be lowered by means of a string, so that the temperature of the pit could be ascertained. The temperature was taken each week. From November to March the temperature did not go below 38 nor above 39. On the 26th of March the pit was opened, both colonies came out good and strong, but the combs were badly moulded. Average weight consumed during the past four years was eleven pounds four and one-quarter ounces. Great care should be taken to guard against water reaching the pit.

Experiment No. 5-Wintering in a house apiary. The house apiary faces the south, the walls are double boarded and with an air space of four The floor which is about inches. one foot from the ground is also double boarded, and there is no draft The hives were removed under it. one foot from the wall and placed on a double thickness of sacks laid on the floor. The wooden covers were removed and replaced by chaff In addition to this the cushions. hives were covered above and all around with a double thickness of sacking, also one foot of cut straw a foot below and all around. A small shaft 13 in. square extended from the opening of each hive to the outside of the building. Two inch strips of wood were placed at both sides and under the back, between the bottom board and brood chamber so as to give more space to the hive in case a quantity of dead bees should

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