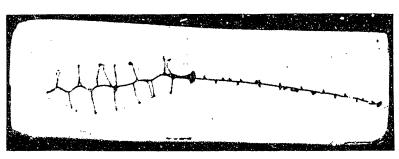
tion from each tank ten, twelve and fifteen feet square to the pound.

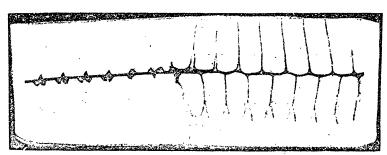
These were placed side by side and drawn out in the upper stories by the bees. was manifested in various ways that the bees objected to the Alkanet, so this kind able to expect that the bees keep adding scales of newly secreted wax and then puiling the side vall, thus decreasing gradually the percentage of colored wax. We also conclude that the quality of wax used in the foundation has an influence, not only on the



on 3 (f). Giving a side view of comb foundation, flat-bottomed, 12 sq. ft. to the pound. This shows a continuous piece of foundation. One half of the foundation was covered over, the other half exposed and worked out by the bees.

was discarded. To the foundation, colored black with the preparation of carbon, the hes did not object. The object in placing oundation made of ordinary wax alongside of the colored, was to make measurements fleach kind when drawn out by the bees The measurements of the colored and un-colored being identical, gave us a basis for for the statement that the bees did not obect to this preparation; and the methods of drawing this comb were identical with that gi ordinary foundation. The base and hwar part of the comb were not as we night expect, of a black color, and the

base, but to a certain extent in almost the entire wall of the cell. The heavier the foundation, the greater the influence on the side wall. Again, notes were taken daily when the bees were beginning to draw out the foundation; and although the heavier foundation was scattered about in various parts of the upper stories, they gave the preference to the heavier foundation, working on it first. Great caution must, of course, be observed in coming to con-clusions. The bees, if the heavier foundation had been taken away, might have been almost as willing to go to work at once



it (c). Giving a side view of comb foundation, flat bottomed, 4 sq. ft. to the pound. This shows a continuous piece of foundation. One half of the foundation was covered over, the other half exposed and worked out by the bees.

th and alded wax, white. Instead there has regular gradation from black at the set owhite at the top of the cell. The wire the foundation the darker the base and adjoining side wall.

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from the above it would appear reason-

At present, no way upon the lighter grade. appears open for conducting a satisfactory experiment to prove anything in this direction. The measurements taken at the base of the wall, and half an inch from the base, all tend to show that the wall is