

is no small item, as it is generally worth fifty to sixty cents per pound.

In our experiments, observations were taken along various lines—first, as to what

the hive, and half an inch up the side wall. The comb was put on ice, to harden it for the purpose of more accurate measurement. Three measurements were taken in this case.

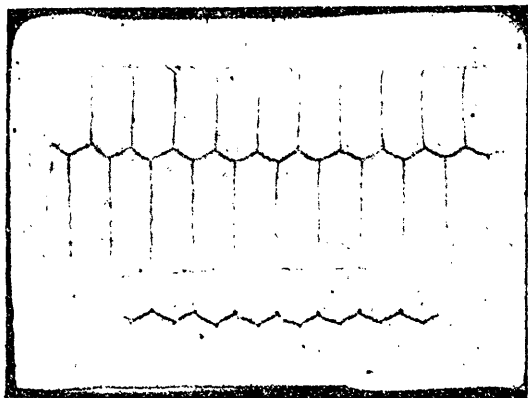


FIG. 1 (c). Giving a side view of comb foundation, 15 sq. ft. to the pound, and above the same after the comb has been completed and capped by the bees. The honey has been extracted and washed away from the comb, which, after a thorough drying, has been filled with plaster of Paris and a section cut down.

extent, if any, the bees thin the base and side wall of the various thicknesses and of comb foundation. Measurements were made, whenever possible, of the weight of

Again, to see just how the bees utilized the comb foundations, three tanks of melted wax were prepared; one was colored with a preparation of Alkanet, another with a

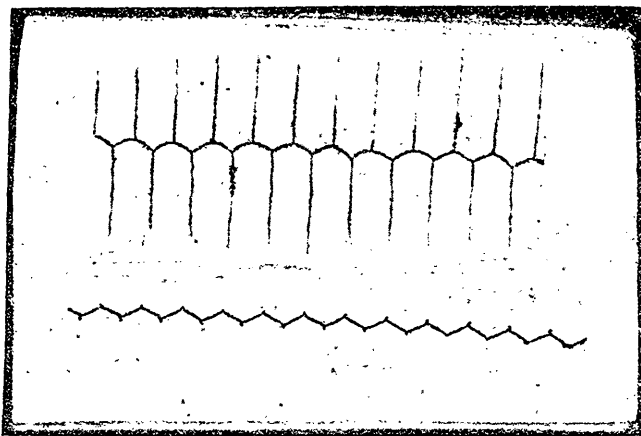


FIG. 2 (b). Giving a side view of comb foundation 12 sq. ft. to the pound, and above the same after the comb has been completed and capped by the bees. The honey has been extracted and washed away from the comb, which, after a thorough drying, has been filled with plaster of Paris, and a section cut down.

foundation compared with the number of square feet and the thickness of the base of foundation. Measurements were taken of the comb at the base, the side wall close to

preparation of carbon, and the third was pure beeswax, uncolored. The various stages in the manufacture of comb foundation were carried out, giving comb founda-