

Hive No. 7—A marked difference in favor of the two bee spaces.

Hive No. 8—The side with two bee spaces decidedly cleaner and better finished.

Hive No. 9 and 10—Two bee spaces on each side of the super, both sides clean and perfect.

The dividers were differently constructed. One set had holes bored 5-16 inch in diameter and  $3\frac{1}{8}$  inches wide, and material was 1-6 inch thick. The other set were made of strips the entire width of the divider,  $3\frac{1}{8}$

excluding metal as dividers. The result was as good as with any other divider; but, owing to the limber and pliable nature of the zinc and the importance of having the bee space neither more nor less than  $\frac{1}{4}$  inch, we would not recommend this material.

The results of the above test and those obtained from other hives in the apiary, show a marked difference in favor of the two bee spaces. The reason would appear to be that with two bee spaces, the extra

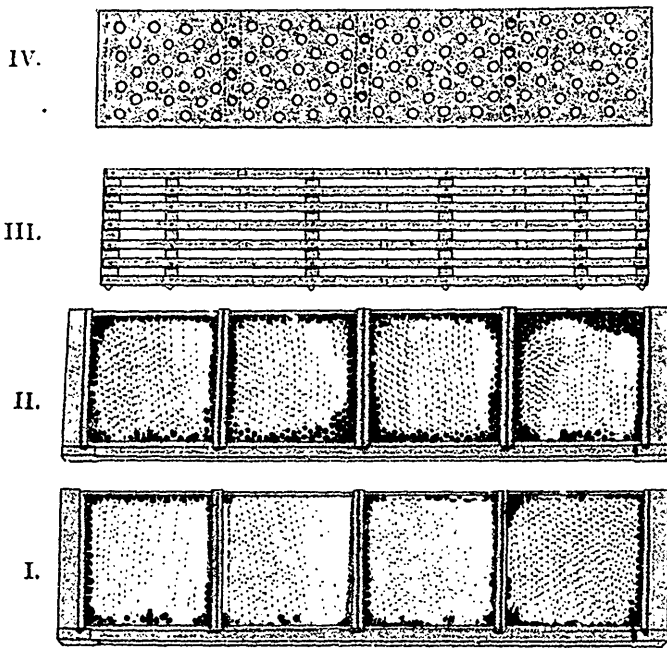


FIG. 2. No. IV., perforated divider; No. III., slatted divider; No. II., comb honey with one bee space between it and wall of hive; No. I., comb honey, out of same super with two bee spaces between it and wall.

inches, and seven strips 5-16 inch wide with  $\frac{1}{4}$  inch spaces between. The dividers with the holes gave the best satisfaction. With the strips, there were more burr combs and the comb opposite the space between the strips was ridged, giving the entire section a ribbed and uneven appearance, a modification of what we find in the common wash-board. Five other hives were supplied with two spaces on one side and one on the other. In three, there was no marked difference; in the other two, there was a difference in favor of the two bee spaces. Two hives were provided with queen-

layer of bees on the outside, keeps up day and night the normal heat necessary for comb building and capping. With more than the regular bee space and no divider, the bees would, as is well known, extend the comb until, before the point of capping is reached, the space would be reduced to the regular size. Several tests were made comparing a still larger number of bee spaces and dividers, but no additional advantage was shown, and possibly they furnished too much loafing space for the bees. The one divider and two bee spaces during the past season showed a great