hering sections with sufficient force to break them; then, by the friction of the comb surface, the capping is broten and the liquid honey escapes and tends to denreciate the value of the entire crate. The dealer receiving such a shipment is a loser. He has no redress, and is likely in the future to be less inclined to handle and self honey. With well-filled sections, properly crated and packed, there is no risk in shipping. The advantages to be derived from having sections with combs of an even thickness, and built straight, are:

They can be handled by dealers with small experience; facility in crating; sections more nearly of uniform weight and pleasing to the eye. In the experiments conducted, separators were used between adjoining sections and the evenness and uniformity of the comb were entirely satis-

lectory.

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Again, comb honey producers know that, with rare exceptions, in the comb honey supers now used, sections having their laces next the wood are filled last, and the inner sections have to be left capped and hished on the hive, waiting for the bees which the surface of the sections joining the wood. Some have practised a system of removing the supers, freeing them from thes, taking out the sections, and returning the unfuished ones. This causes so much additional time and trouble, that it is almost, if not quite, impracticable.

The present experiment was conducted to set a plan to overcome this difficulty, the sethod adopted being suggested by S. T. etiit, Belmont, Ontario, viz., to compare the set have bee space over the sections with those without bee space; and the relation of the present year's work confirms bestvations and experiments made by us this direction during the past three

ears.

The main objects in the experiment were: ist. To compare the number and size of pholes in the sections of supers with the space above and those without. Those inhort, had a quilt next the sections; we with, had a board with 1 inch bee the over the super, between the board and exections.

28d. To compare comb honey having the 20d To compare comb honey having the 20d the last sections and wood sides of 1875 separated by only the usual one bee 20d and those having two or more bee 20d. The two or more bee spaces were 27d by means of dividers of different 287 struction. Some were of solid boards tholes bored in them. See Fig. 2, No. 10d Others were made of strips. See Fig. 18d 3. The bee space used was \$\frac{1}{2}\$ inch in 1870 case, and it is very important that 28 should be exact.

Following is the result of the work of seven colonies with cloth and no bee space over the sections:

Hive No. 1—An average percentage of pop holes.

Hive No. 2-Same as number one.

Hive No. 3-Pop holes slightly more numerous than the average.

Hive No. 4-Rather better than preceding supers.

Hive No. 5-Although sections were particularly well filled, the pop holes were remarkably numerous.

Hive No. 6-A still larger percentage of pop holes in the corners both at top and bottom.

Hive No. 7—About the same as number

six.

The result of experiments with 1 inch bee space over the sections, nine colonies in the group, is as follows:

Hive No. 1—About 10 per cent. fewer pop holes than the average of the above

Hive No. 2 and 3—Same as number one. Hive No. 4, 5 and 6—About 7 per cent, fewer pop holes than the average of above.

Hive No. 7-Still fewer pop holes. Hive No. 8 and 9-A very decided advant-

age over no b e space.

Hive No. 10-About the same as the average of those having no space above.

Nos. 11 to 16 showed a smaller percentage of pop holes.

GENERAL REMARKS.

One fact was very conspicuous, viz., that the pop holes in sections with 1 inch tee space were smaller than in those without. Thus report tallies with results obtained from experiments conducted in previous years, but not before reported. The probable reason for their being fewer and smaller pop holes with the bee space above the sections, is, that the bees appear to require a space to pass from section to section, and a bee space above facilitates this passage.

The result of the experiment with two or more bee spaces between the side of the super and the face of the section next the

side, is as follows:

Two bee spaces and divider at one side of the super and only one bee space at the other.

Hive No. 1—The outside of sections with the two bee spaces and divider were better finished and cleaner than the side with only one.

Hive No. 2 and 3—Same as number one. Hive No. 4 and 5—No perceptible difference as to finish of comb, but the sestions were cleaner.

Hive No. 6—A difference in favor of the two bee spaces.