

PRACTICAL BEE-KEEPING.

BY D. A. JONES.

PAPER V.—CONTINUED.

COMBINATION HIVE.

THIS hive is of my own design, and was devised with the object of producing a hive which would give good results when used either for extracted or comb honey. Very many of our customers wanted to make the production of comb honey their chief object, and at the same time wished to utilize all the combs they had (Jones' deep frame) without resorting to the use of the wax extractor, rendering into wax their entire stock. Then, too, the frames seemed rather deeper than was consistent with the best results for comb honey; while being somewhat shallower, was not going to deteriorate the value of the hive for extracted honey.

To meet both ends—get a shallower hive, and save any waste of comb—this hive was gotten up, and, all things considered, I do not know that, had we been working from a scientific standpoint, we could have done better or constructed a hive better suited to the wants of the occupant.

The deep frame hive, turned on its side, gave me the frame for the combination hive.

COMBINATION HIVE BROOD CHAMBER.

The body of the hive is made up of pieces of the measurements following: The front and back are plain pieces twelve and a quarter inches deep by fourteen and three-quarter inches long and of seven-eighths inch material, as are all the pieces in this hive with the single exception of the lid, which is five-eighths inch. Out of the front board is cut the entrance three-eighths inch by eight inches long. The end pieces are twelve and a quarter inches deep by twelve and a quarter inches wide; the inner edges are rabbeted seven-eighths inch by half inch, the full depth of the hive, and these fit over the side pieces, making the inside measurement thirteen and three quarter inches long, ten and five-eighths inches wide, and twelve and a

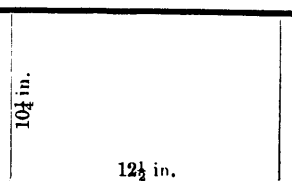
quarter inches deep. Out of the ends the usual rabbets are cut and the saw-cuts made, into which the metal supports are placed which uphold the frames.

The bottom-board is fifteen and a half inches wide by fourteen inches long, and a strip seven-eighths of an inch square and fifteen and a half inches long is tacked along the front end to prevent warping.

The lid board is constructed similarly to those used on the Langstroth and Jones deep-frame hives. It is sixteen and a half inches long and thirteen and three-quarter inches wide. The end cleats are one inch by one and three-quarter inch, by thirteen and three-quarter inches long with rabbets in the sides, which slip over the edges of the cover and hold it true, and free from danger of warping.

COMBINATION HIVE BROOD FRAME.

The frames are constructed after the same principles as those employed in the Jones deep frame hive as to top-bar, bottom-bar, projections, etc., and the dimensions are the same in all but the lengths. The inside measurement of the frame is twelve and a half inches wide and ten and a quarter inches deep



COMBINATION HIVE BROOD FRAME.

—a trifle less in depth than the inside width (ten and three-quarter inches) of the deep frame. The proper bee-space is maintained at ends of frames and below the bottom bar, while there is just a half bee-space between the top of top-bar and top of hive.

SECOND STOREY.

The second storey or extracting chamber is similar to the brood-cham-